

Service Manual

MODEL: TS212S/TS215S/TS218S

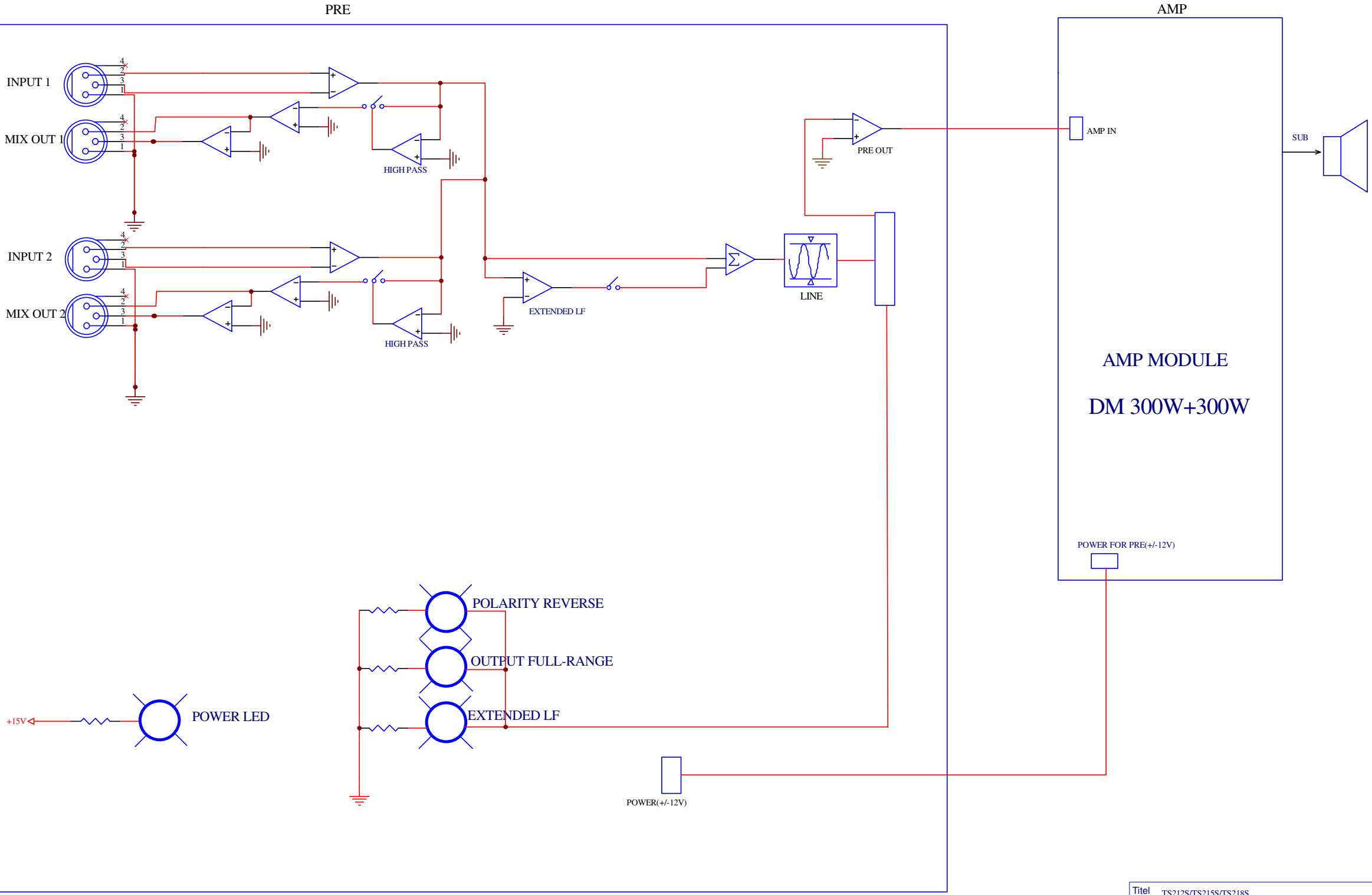


Version 1.0 revised on Jun, 2016

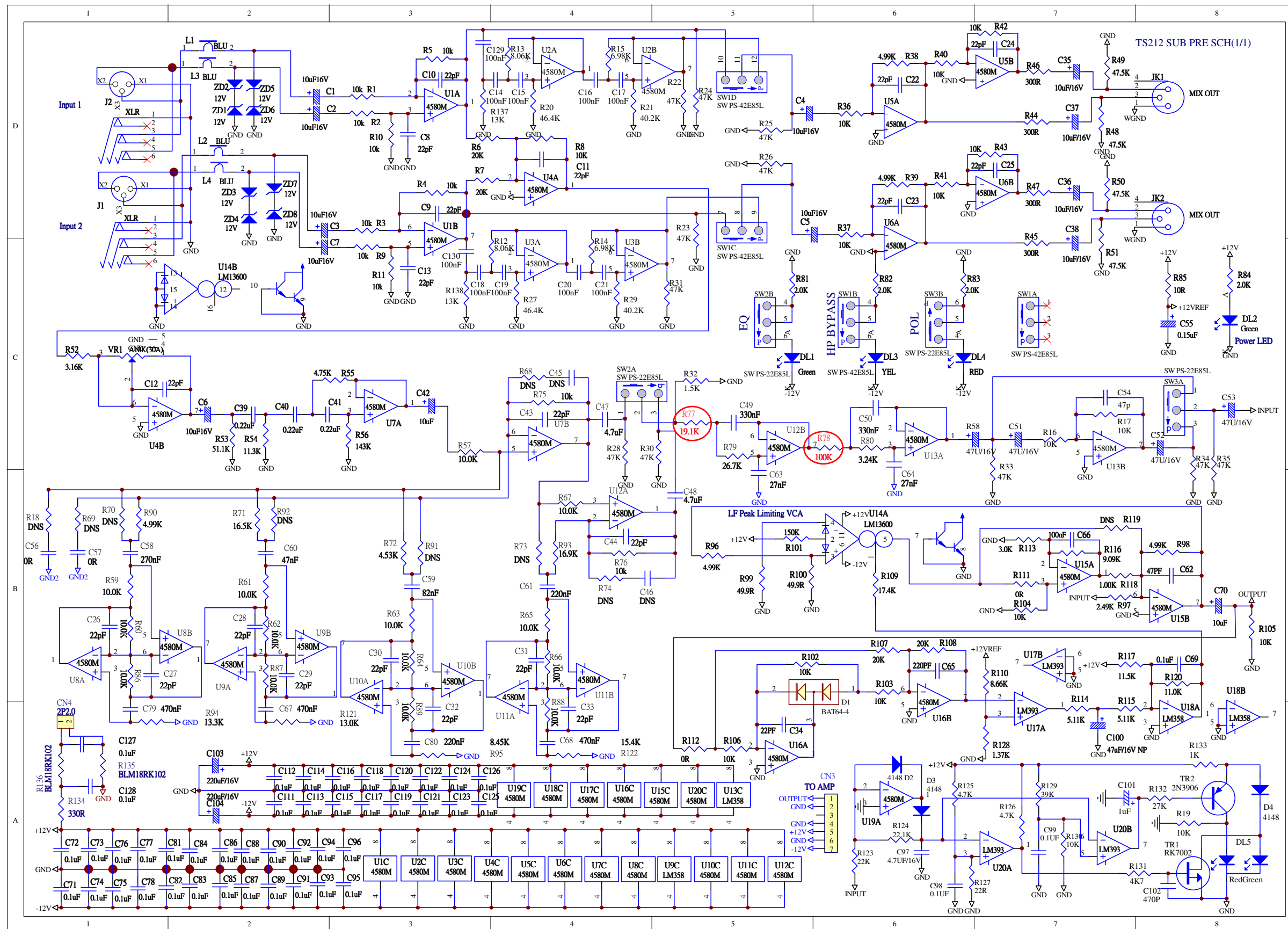
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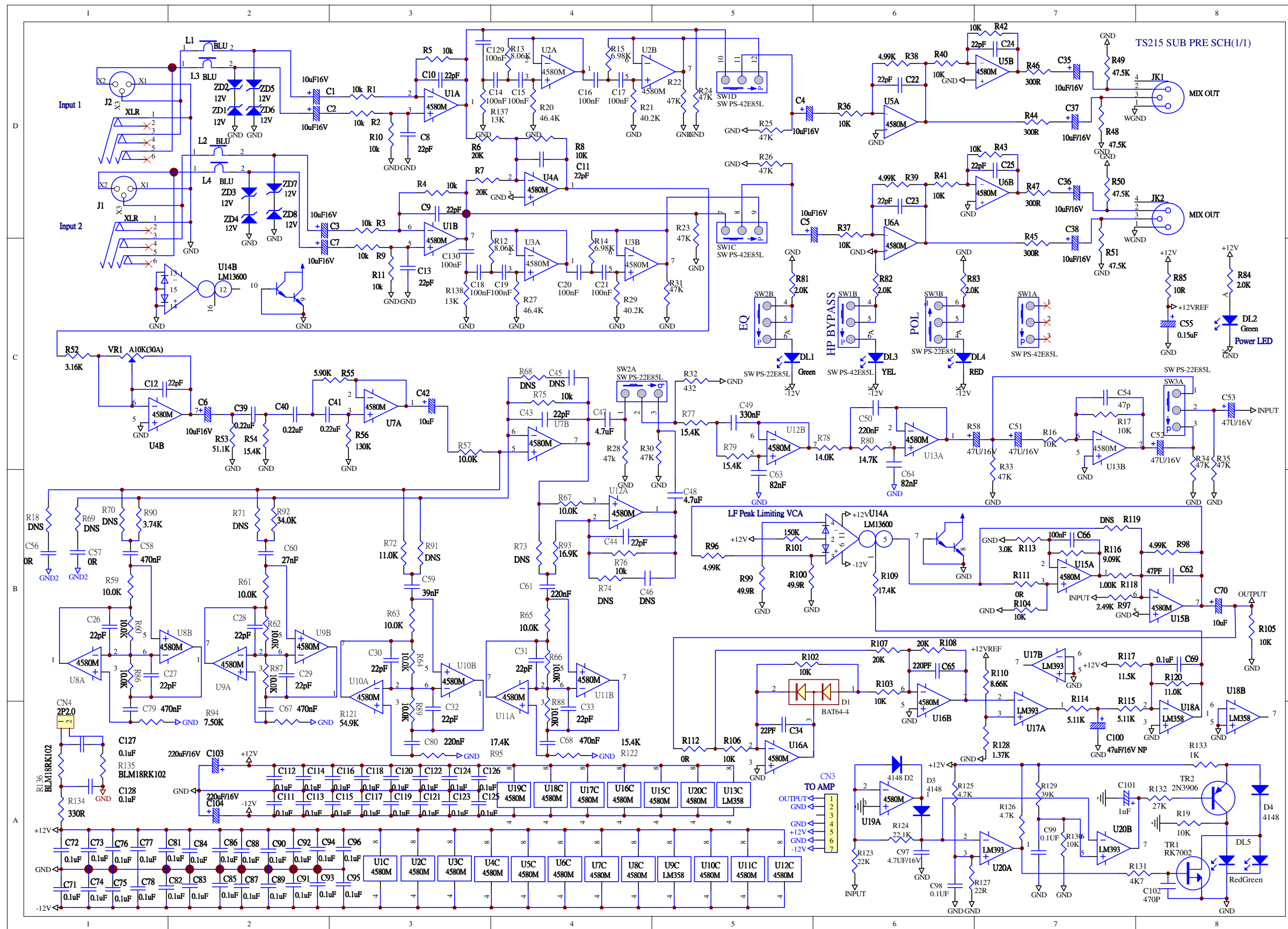
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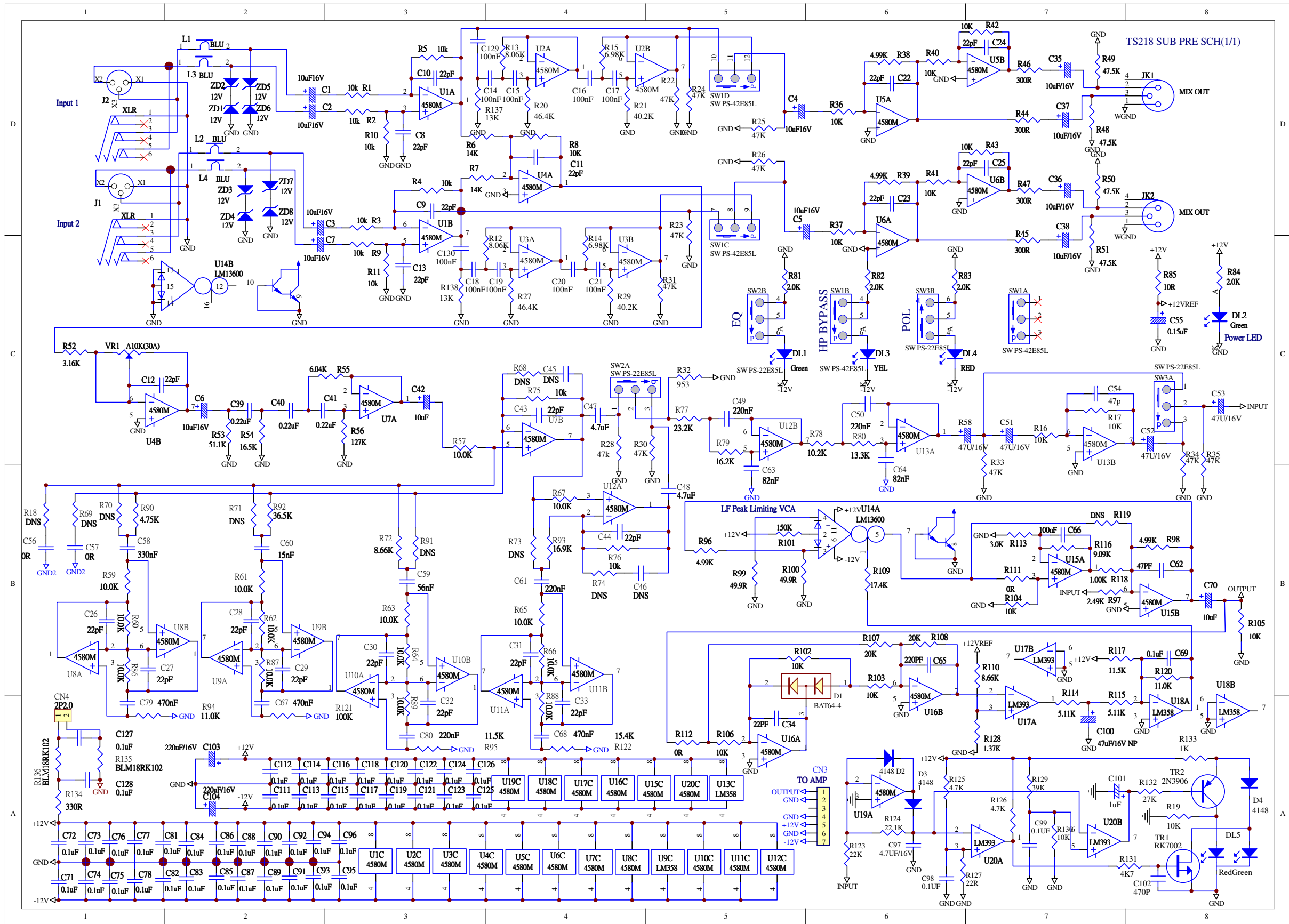
TS212/215/218S Block Diagram

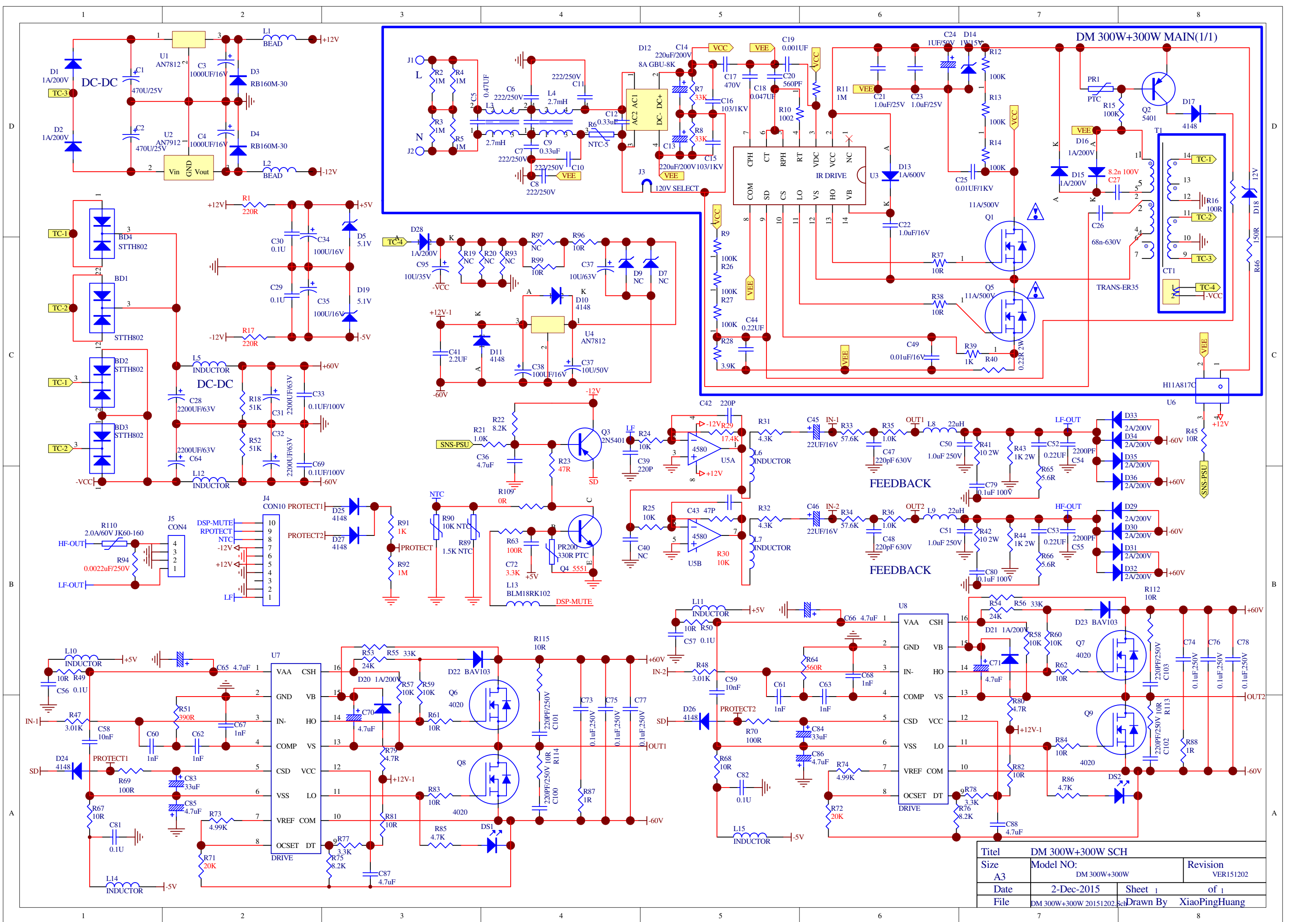


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| Titel TS212S/TS215S/TS218S | | |
| Size A3 | Model No: | Revision |
| Date: | Sheet 1 of 1 | |
| File: | Drawn By: fanweizeng | |



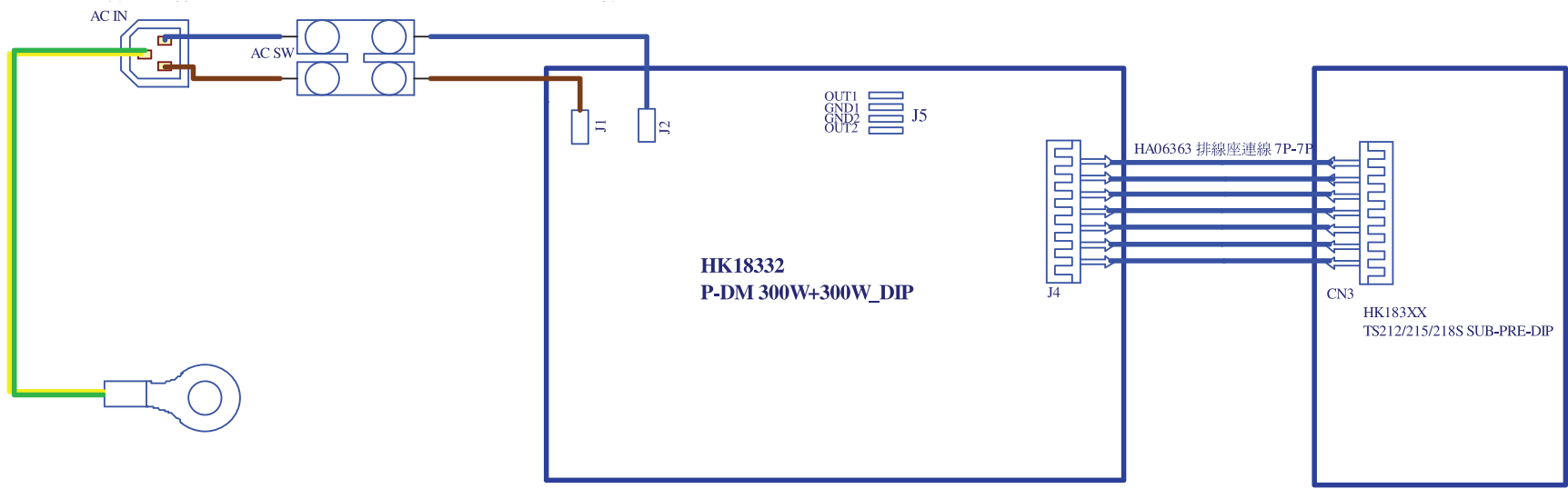




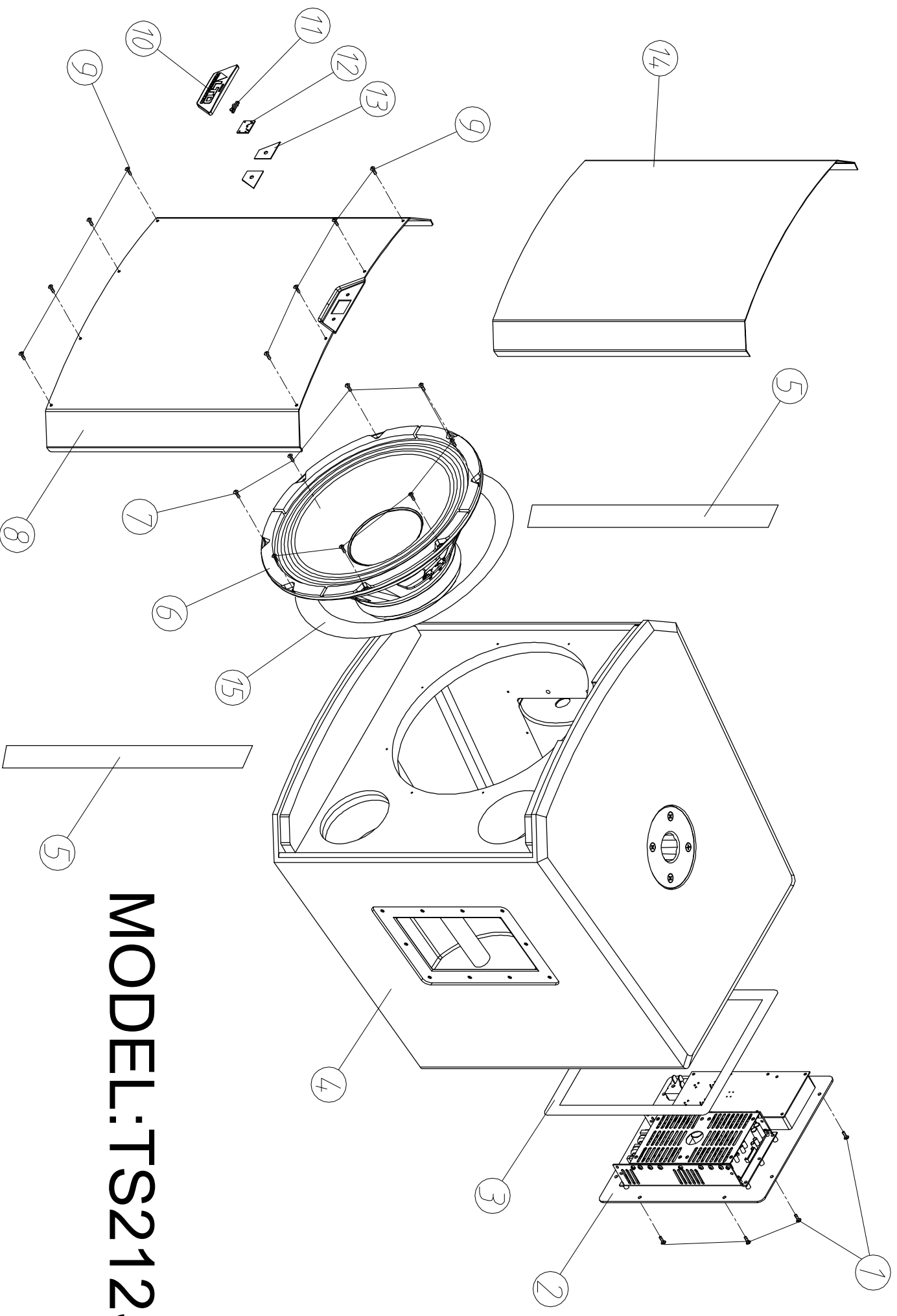


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|----------------------------|------------------------|---------------|--------------------|
| Titel DM 300W+300W SCH | | | |
| Size A3 | Model NO: DM 300W+300W | | Revision VER151202 |
| Date 2-Dec-2015 | Sheet 1 | of 1 | |
| File DM 300W+300W 20151202 | Drawn By | XiaoPingHuang | |

TS212S/TS215S/TS218S Wiring Diagram



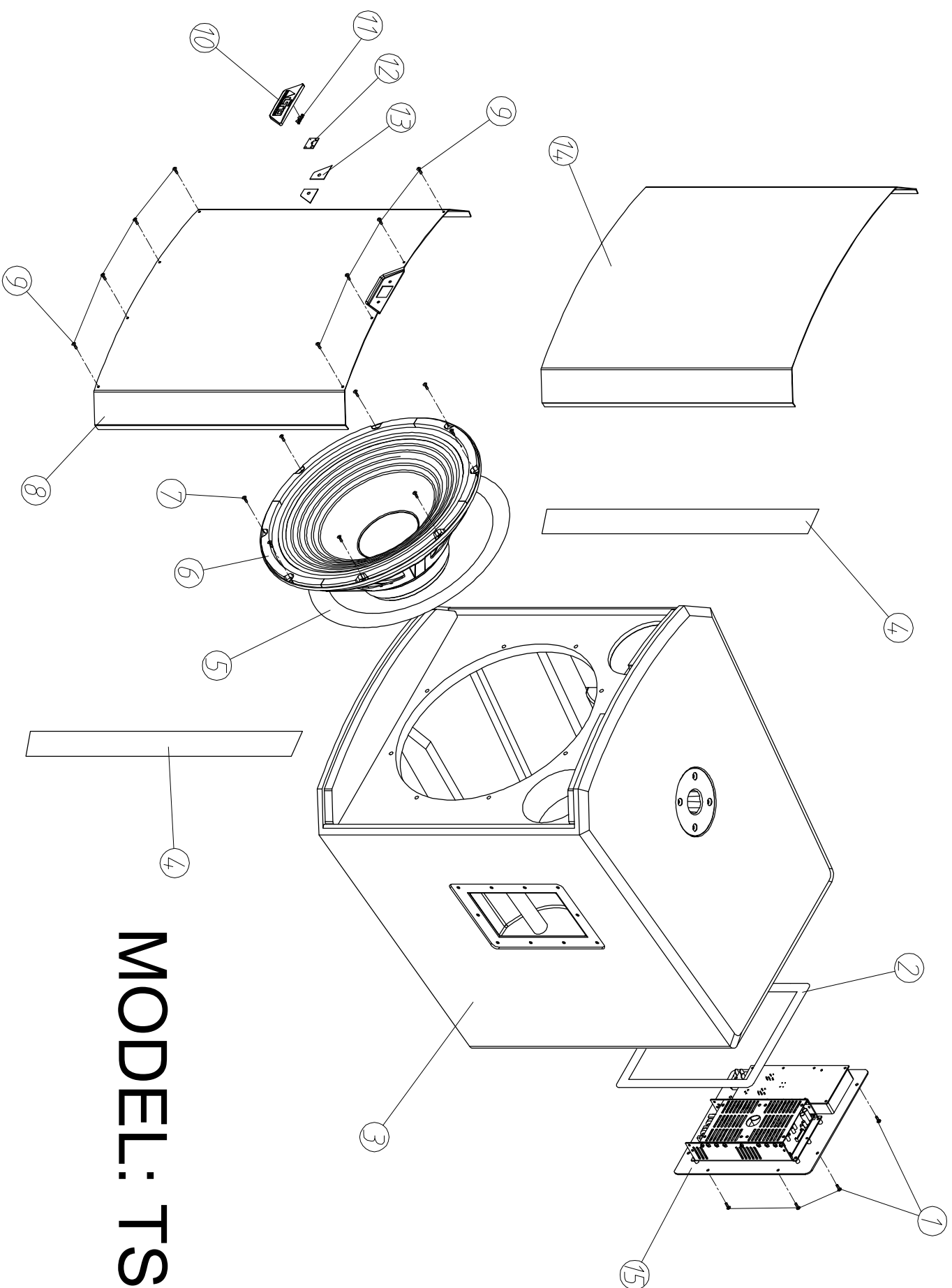
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|---------------------------|--------------------------------|------|---------------------|
| Titel: 212S/TS215S/TS218S | | | |
| Size: A3 | Model No: TS212S/TS215S/TS218S | | Revision: VER160607 |
| Date: 2016/06/07 | Sheet 1 | of 1 | |
| File: 212S/TS215S/TS218S | Drawn By: fanweizeng | | |



MODEL:TS212S

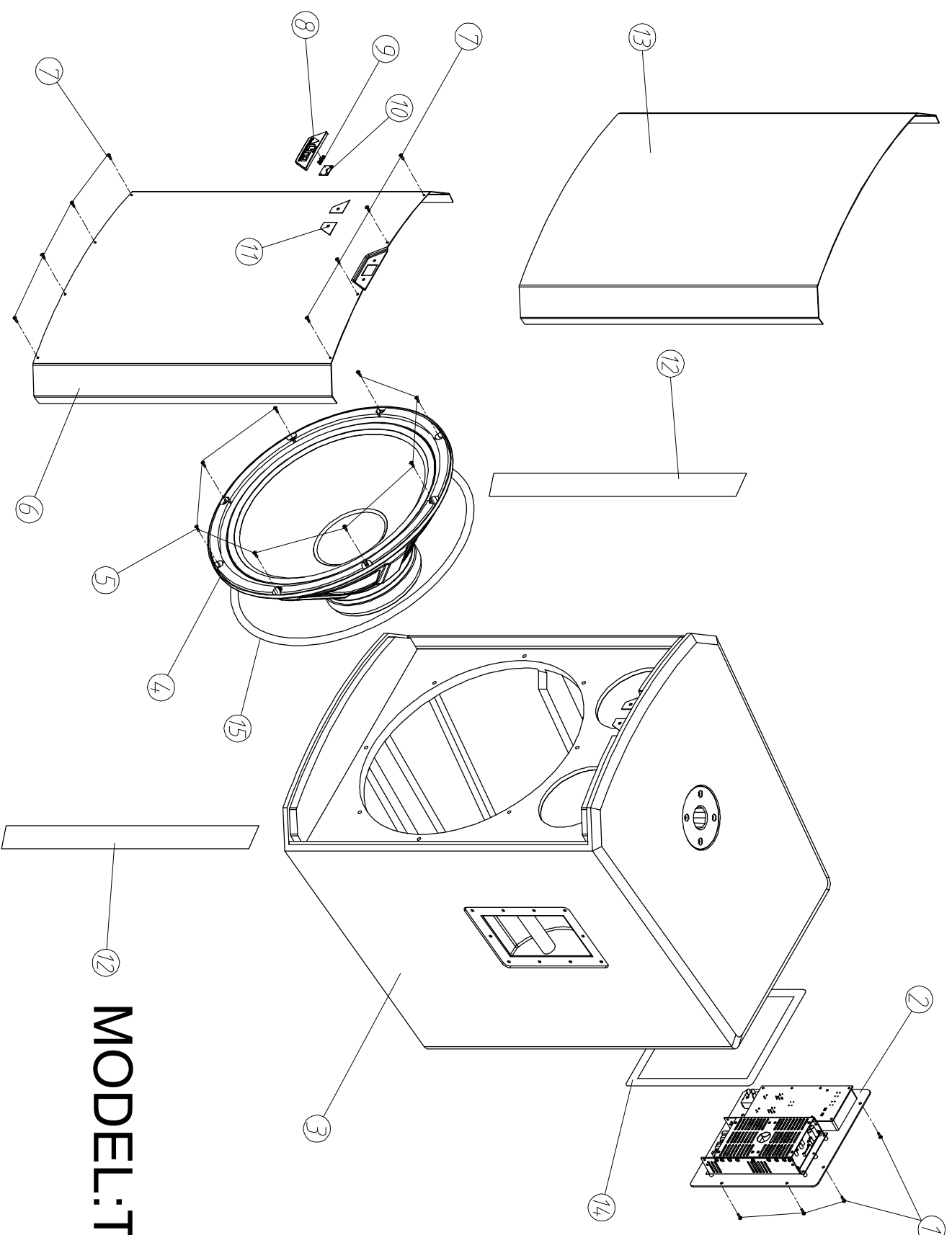
TS212S PART LISTS

| S/N | Part No | Description | Specification | Qty | Material | Remark |
|-----|---------|--------------------------------|--------------------------------------|-----|----------|--------|
| 1 | MG00351 | Screw-RS-steel plate | M4*16 | 8 | | |
| 2 | HK18377 | K-faceplate | TS212S_ ALTO_220-240V_EU_CH_(NUMARK) | 1 | | |
| 3 | ND00665 | EV Foam-RS-one side with glue | 950*15*2.0mm black_V1.0 | 1 | | |
| 4 | NC05053 | Cabinet | TS212S_V1.0 | 1 | | |
| 5 | ND00633 | EV Foam-RS-one side with glue | 1.0t*1500*15mm black_V1.0 | 2 | | |
| 6 | HK18344 | K-woofer | 12" 600W 8 Ω (TS212S) | 1 | | |
| 7 | MG00350 | Screw-RS | M5*30(T head φ 10) | 8 | | |
| 8 | | grille | | 1 | | |
| 9 | MG01030 | Screw-RS-flat-plate | M3*20 | 8 | | |
| 10 | NI07836 | plastic logo | 30.35*11.03*90.22 | 1 | | |
| 11 | NI07597 | light pipe-semi-transparent PC | TS212 16.69*10.32*8.15_V1.1 | 1 | | |
| 12 | HK17710 | K-PC Board | P-TS212 Logo LED-DIP | 1 | | |
| 13 | | 3M VHB | | 2 | | |
| 14 | NI07833 | Strainer-(40ppi) | TS212S 5t*407*476.2_V1.0 | 1 | | |
| 15 | ND00374 | EV Foam-RS-one side with glue | 2.0t*948*18mm black_V1.0 | 1 | | |
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MODEL: TS215S

| TS215S PARTS LIST | | | | | | |
|-------------------|---------|--------------------------------|--------------------------------------|-----|----------|--------|
| S/N | Part No | Description | Specification | Qty | Material | Remark |
| 1 | MG00351 | Screw-RS-steel plate | M4*16 | 8 | | |
| 2 | ND00665 | EV Foam-RS-one side with glue | 950*15*2.0mm black_V1.0 | 1 | | |
| 3 | NC05054 | Cabinet | TS215S_V1.0 | 1 | | |
| 4 | ND00633 | EV Foam-RS-one side with glue | 1.0t*1500*15mm black_V1.0 | 2 | | |
| 5 | ND00398 | EV Foam-RS-one side with glue | SR500A-SUB 1205.5*15*2 black_V1.0 | 1 | | |
| 6 | HK18345 | K-woofer | 15吋 600W 8Ω (TS215S) | 1 | | |
| 7 | MG00350 | Screw-RS | M5*30(T head φ 10,加硬) | 8 | | |
| 8 | | grille | | 1 | | |
| 9 | MG01030 | Screw-RS-flat-plate | M3*20(| 8 | | |
| 10 | NI07836 | plastic logo | 30.35*11.03*90.22 | 1 | | |
| 11 | NI07597 | light pipe-semi-transparent PC | TS212 16.69*10.32*8.15_V1.1 | 1 | | |
| 12 | HK17710 | K-PC Board | P-TS212 Logo LED-DIP | 1 | | |
| 13 | | 3M VHB | | 2 | | |
| 14 | NI07834 | Strainer-(40ppi) | TS215S 5t*544.7*487_V1.0 | 1 | | |
| 15 | HK18378 | K-faceplate | TS215S_ ALTO_220-240V_EU_CH_(NUMARK) | 1 | | |
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MODEL:TS218S

TS218S PARTS LIST

| S/N | Part No | Description | SpecifIcation | Qty | Material | Remark |
|-----|---------|--------------------------------|--------------------------------------|-----|----------|--------|
| 1 | MG00351 | Screw-RS-steel plate | M4*16 | 8 | | |
| 2 | HK18379 | K-faceplate | TS218S_ ALTO_220-240V_EU_CH_(NUMARK) | 1 | | |
| 3 | NC05055 | Cabinet | TS218S_V1.0 | 1 | | |
| 4 | HK18346 | K-woofer | 18吋 600W 8Ω (TS218S) | 1 | | |
| 5 | MG00350 | Screw-RS | M5*30(T head ϕ 10) | 8 | | |
| 6 | | grille | | 1 | | |
| 7 | MG01030 | Screw-RS-flat-plate | M3*20 | 8 | | |
| 8 | NI07836 | plastic logo | 30.35*11.03*90.22 | 1 | | |
| 9 | NI07597 | light pipe-semi-transparent PC | TS212 16.69*10.32*8.15_V1.1 | 1 | | |
| 10 | HK17710 | K-PC Board | P-TS212 Logo LED-DIP | 1 | | |
| 11 | | 3M VHB | | 2 | | |
| 12 | ND00633 | EV Foam-RS-one side with glue | 1.0t*1500*15mm black_V1.0 | 2 | | |
| 13 | NI07835 | Strainer(40ppi) | TS218S 5t*625*551.4_V1.0 | 1 | | |
| 14 | ND00665 | EV Foam-RS-one side with glue | 950*15*2.0mm black_V1.0 | 1 | | |
| 15 | ND00701 | EV Foam-RS-one side with glue | 1370*15*2.0mm | 1 | | |
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| Rank | Part No | Description | Specification | Insert Location | Remark |
|-----------|----------|-------------------------|--|-----------------|-----------------------------------|
| PC03012 | PC03012 | SPEAKER | TS212S_ALTO_110V-120V_CHINA_(NUMARK) | | |
| I +0001 | NC05053 | box | TS212S_V1.1 | | |
| I +0001 | NI02426 | foot cushion | φ 37*15.5mm PGHA1022ZA/J1_P_A | | |
| I +0002 | MI02042 | handle-RS | 220*163.5*63mm_V1.0 | | |
| I +0003 | ME00082 | nut-RS | M5*0.8PH*10.6_V1.2 | | Lock the woofer |
| I +0004 | ME00083 | nut | M6*1.0PH*11.6_V1.2 | | Lock the pole mount |
| I +0005 | ME00085 | nut | M4*0.7PH*9.3_V1.2 | | Lock the handles on two sides |
| I +0006 | MG00034 | screw | M4*16 | | Lock the handle*12 |
| I +0007 | MG00338 | screw-RS | M4*30mm | | Lock the handle*8 |
| I +0008 | MG00670 | SCREW-RS | M6*40 | | Lock the pole mount*4 |
| I +0009 | ND00242 | EV foam | 43*47.5*1.5mm | | stick to the handles on two sides |
| I +0010 | ND00634 | EV foam--RS | 2.0t*300*15mm black_V1.0 | | stick to the pole mount |
| I +0011 | ND00635 | EV foam--RS | 2.0t*700*15mm black_V1.0 | | stick to the handles |
| I +0012 | MG00751 | screw-RS | M4*20MM | | lock the feet*4 |
| I +0013 | MIH01704 | handle-RS | ELVIS φ 110*96_V1.3 | | |
| I +0014 | NH00782 | Tube | TS212S φ 100* φ 08*233_V1.0 | | used for the cabinet*2 |
| I +0015 | NC05057 | top cover | TS 212S 505.1*450*15mm_V1.0 | | |
| I I +0001 | NC03656 | Plywood-RS-CARB | 2440*1220*15t | | |
| I +0016 | NC05058 | chassis | TS 212S 505.1*450*15mm_V1.0 | | |
| I I +0001 | NC03656 | Plywood-RS-CARB | 2440*1220*15t | | |
| I +0017 | NC05059 | side cover board | TS 212S 449.3*419*15mm left_V1.0 | | |
| I I +0001 | NC03656 | Plywood-RS-CARB | 2440*1220*15t | | |
| I +0018 | NC05060 | side cover board | TS 212S 449.3*419*15mm right_V1.0 | | |
| I I +0001 | NC03656 | Plywood-RS-CARB | 2440*1220*15t | | |
| I +0019 | NC05061 | front board | TS 212S 429*419*18mm_V1.0 | | |
| I I +0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I +0020 | NC05062 | rear board | TS 212S 419*337.5*18mm_V1.0 | | |
| I I +0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I +0021 | NC05063 | rear board | TS 212S 277.5*310.5*18mm_V1.0 | | |
| I I +0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I +0022 | NC05064 | barrier | TS 212S 398*110*15mm_V1.0 | | |
| I I +0001 | NC03656 | Plywood-RS-CARB | 2440*1220*15t | | |
| I +0023 | NC05065 | billet | TS 212S 408.5*63.5*15mm_V1.0 | | |
| I I +0001 | NC03656 | Plywood-RS-CARB | 2440*1220*15t | | |
| I +0024 | AE00684 | Paint | LTS-6072 25KG/Pail | | |
| I +0025 | AE00686 | Paint | LTS-6071B 10KG/Pail | | |
| I +0026 | AE00687 | Paint | DTS-1202-1 20KG/Pail | | |
| I +0027 | AE00688 | Paint | DTS-1021A-1 20KG/Pail | | |
| I +0028 | AE00689 | Paint | DTS-1021B 10KG/Pail | | |
| I +0029 | AE00692 | Paint | PU-010-4 170KG/Pail | | |
| I +0030 | AE00693 | Paint | MTS-2209 20KG/Pail | | |
| I +0031 | AE00694 | Paint | LTS-6070B-1 10KG/Pail | | |
| I +0032 | ND01550 | Absorb sound sponge-RS | TS212S 800*350*30t 500g/miUL_V1.0 | | |
| I+0002 | HK18344 | speaker | 12inch 600W 8Ω(TS212S) | | |
| I +0001 | NH00243 | cushion-RS | φ 315*284.4*8 EVA+ 8_V1.1 | | |
| I +0002 | NH00715 | caushion-RS | φ 152*138*20_V1.0 | | |
| I +0003 | ND00525 | dust-proof shade-RS | φ 116*24_V1.0 | | |
| I +0004 | MIH01986 | magnet-RS | φ 180*95*20 Y30_V1.0 | | |
| I +0005 | MIH01110 | rivet | M0500A_OU-30 | | |
| I +0006 | MG00263 | screw | M5*8 | | Lock the washer and bracket*6 |
| I +0007 | HC00426 | terminal-RS | M0021B_PT2.1_V1.0 | | |
| I I +0001 | HC00496 | connect terminal | 0.8*13*16.3mm | | |
| I I +0002 | HC00495 | connect terminal | 0.8*13*16.3mm | | |
| I I +0003 | NI02583 | terminal block | 3.5*24.5*3t | | |
| I +0008 | HA04554 | line-RS | TA2J7Y18H2KA33/42WB*2*180mm | | |
| I I +0001 | HA04553 | line-RS | TA2J7Y18H2KA33/42WB*1M | | |
| I +0009 | ND01346 | spider-RS | φ 150*76*4 N-1500 0.3/100g TCY:D-1500H | | |
| I +0010 | MIH02767 | T type middle pillar | φ 165*74.25*31.5*8 φ 30 | | |
| I +0011 | MIH02465 | iron coil-RS | φ 175*78.5*10 P:120 TL:W175-49_V1.0 | | |
| I +0012 | NE27053 | label | HK18344_V1.0 | | |
| I I +0001 | NI00015 | membrane | 0.04*1M | | |
| I I +0002 | NH00012 | bond paper | 0.04*1M | | |
| I +0013 | ND01380 | wind-proof sponge-RS | φ 34*30H 20'_V1.0 | | |
| I +0014 | MI06470 | bracke | φ 318*81*91.7 P:120 YD300-07M1-H2 | | |
| I +0015 | NH00785 | cone | φ 302* φ 76.5*59.5 YL:NCHL12150-3B/B | | |
| I +0016 | HG00595 | voice coil | TIL/4L φ 74.88*56*5.2Ω*0.27 22.2 EI | | |
| I+0003 | NI07833 | net | TS212S 5t*407*476.2_V1.0 | | stick to the back of grille*1 |
| I+0004 | HA06358 | wire | 550mm UL1015 18AWG+Capacitance | | speaker wire*1 |
| I +0001 | CF00245 | metal-film capacitor-RS | 0.0022uF/400V 5% ESK400D22JA | | |
| I +0002 | HA06357 | wire | 550mm UL1015 18AWG | | |
| I+0005 | ND00665 | EV foam-RS | 950*15*2.0mm black_V1.0 | | stick to the AMP |
| I+0006 | ND00633 | EV foam--RS | 1.0t*1500*15mm black_V1.0 | | |
| I+0007 | ND00374 | EV foam | 2.0t*948*18mm black_V1.0 | | Stick to the woofer |
| I+0008 | MG01030 | Screw-RS | M3*20 | | Lock the grille*8 |
| I+0009 | MG00350 | screw-RS | M5*30 | | fix the woofer*8 |
| I+0010 | MG00351 | screw-RS | M4*16 | | fix the amp to the cabinet*8 |
| I+0011 | HA00841 | power cord(America 3P) | LT-202+18A*3C(SVT) 6FT+LT-501 | | |
| I+0012 | HK17710 | PC board | P-TS212 Logo LED-DIP | | to fix the logo |
| I +0001 | HK17709 | PC board | P-TS210 LED--SMD | | |
| I I +0001 | HB04153 | PCB-RS | TS212 LOGO LED (4*8)_VER150908 | | |
| I I +0002 | SE00270 | SMD L.E.D | blue MS-PTB414SUBC | LED1 | |
| I I +0003 | AE00553 | SenJu solder paste | M705-GRN360-K2-V 0.5KG/bottle | | |
| I +0002 | HC00253 | connector(male) | 2P 2.0mm 180' | CN1 | |
| I +0003 | AC00603 | lead free soldering bar | S100 | | |
| I+0013 | NI07597 | LED lens | TS212 16.69*10.32*8.15_V1.1 | | |

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|----------------|---------|-----------------------------------|---|---|--|
| I-0014 | HA04308 | header wiring | 2P-2P 700mm UL1007 26AWG red/white | | connect the LED of logo |
| I-0015 | NA00885 | PE bag-RS | 0.03t*1200*1050mm 12 PGPP1036ZA/J1_P_C | | pack the speaker |
| I-0016 | NA00858 | PE bag-RS | 0.04t*240*160mm_V1.0 | | pack the user manual and guarantee |
| I-0017 | NA01717 | sponge barrier | TS212S_V1.0 | | |
| I-0018 | NE27061 | label | TS212S_V1.0 | | Inside and outside*1, carton *1, user manual*1 |
| I-0019 | NE27069 | label | TS212S_V1.0 | | speaker*1 |
| I-0001 | NI00015 | membrane | 0.04*1M | | |
| I-0002 | NH00012 | bond paper | 0.04*1M | | |
| I-0020 | NF03534 | assurance card-RS | ALTO PROFESSIONAL_V2.0 | | |
| I-0021 | HK18374 | Faceplate | TS212S_ALTO_110-120V_CHINA_(NUMARK) | | fixed to the back of the cabinet |
| I-0001 | HA01271 | single terminal wiring | 60 (PC250,PC187) | | SW TO AC Jack |
| I-0002 | HA01287 | wire-RS | 60mm UL1015 18AWG blue | | SW TO AC Jack |
| I-0003 | HA03186 | wire | 100mm UL1015 14AWG | | GND |
| I-0004 | HA04141 | wire | 100mm UL1015 18AWG blue | | AC SW to AC Jack |
| I-0005 | HA04143 | wire | 100mm UL1015 18AWG brown | | AC SW to AC Jack |
| I-0006 | HC00331 | AC socket | RF-2004 | | |
| I-0007 | HD00018 | glass tube fuse | 6.3A 250V ϕ 5.2*20mm CCEE/CSA/S/UL/VDE | | |
| I-0008 | HI00475 | power switch-RS | 2*2P RF-1003-BBA8E2X1T | | |
| I-0009 | MB00016 | color nut | 4m/m | | GND |
| I-0010 | MF00014 | washer | ϕ 3* ϕ 6.5*0.5t | | AMP*6 |
| I-0011 | MF00038 | washer-RS | ϕ 4* ϕ 7*1t | | GND |
| I-0012 | MF00048 | washer-RS | ϕ 4* ϕ 8*0.5t | | GND |
| I-0013 | MG00061 | screw-RS | M3*10(加硬處理) | | MIC*8, sealed box*16 |
| I-0014 | MG00162 | screw | M3*8 | | AMP*6 |
| I-0015 | MG00163 | screw | M3*8 | | fix the soldering tag*1, PRE GND*1 |
| I-0016 | NI01862 | key | 5.5*5.5*14.5_V1.1 | | |
| I-0017 | NI06123 | key | 9.2*9.2*7.3(3.3*3.3)_V1.0 | | |
| I-0018 | HK18336 | PC board | P-TS212 SUB-PRE-DIP | | |
| I I I-0001 | SA00051 | L.E.D | ϕ 3 orange,green 28/30/32mm | DL5 | |
| I I I-0002 | SA00052 | L.E.D | ϕ 3 round(green)long foot 26 | DL1,DL2 | |
| I I I-0003 | SA00053 | L.E.D | ϕ 3 round(red)long foot 26mm | DL4 | |
| I I I-0004 | SA00054 | L.E.D | 3m/m round(yellow)long foot 26 | DL3 | |
| I I I-0005 | HC00253 | connector(male) | 2P 2.0mm 180° | CN4 | |
| I I I-0006 | HC00258 | connector(male) | 7P 2.0mm 180° | CN3 | |
| I I I-0007 | HC00392 | balance MIC jack-RS | JY-5030-030G 180° | JK1,JK2 | |
| I I I-0008 | HC01212 | balance MIC jack-RS | K6X01V-6-3A | J1,J2 | |
| I I I-0009 | HI00162 | push-button switch | 2 paragraphs 6p PS-22E8552L | SW2,SW3 | |
| I I I-0010 | HI00163 | push-button switch | 2 stage 12P PS-42E85 | SW1 | |
| I I I-0011 | NI02532 | LED spacer support | LEDs-22 22mm | | |
| I I I-0012 | RC01034 | Potentiometer-RS | 30A103-Q1-FA265B120-10K L26.5FCx12 | VR1 | |
| I I I-0013 | AC00603 | lead free soldering bar | S100 | | |
| I I I-0014 | HK18338 | PC board | P-TS212 SUB-PRE-AI | | |
| I I I I-0001 | CB00192 | electrolytic capacitor | 10uF/16V ϕ 4*7mm | C1,C2,C3,C6,C7,C35,C36,C37,C38,C42,C70 | |
| I I I I-0002 | CB00193 | electrolytic capacitor | 47uF/16V ϕ 6*7mm | C51,C52,C53 | |
| I I I I-0003 | CB00251 | electrolytic capacitor | 220UF/25V ϕ 8*11mm | C103,C104 | |
| I I I I-0004 | CB00262 | electrolytic capacitor | 47uF/16V NP ϕ 6.3*11mm | C100 | |
| I I I I-0005 | HK18337 | PC board | P-TS212 SUB-PRE-SMD | | |
| I I I I I-0001 | CI00051 | SMD ceramic capacitor 0603 | 22PF/50V C0G \pm 5%(C1608C0G1H220JT)/TDK | C8,C9,C10,C11,C12,C13,C22,C23,C24,C25,C26,C27,C28,C29,C30,C31,C32,C33,C34,C43,C44 | |
| I I I I I-0002 | CI00055 | SMD ceramic capacitor 0603 | 47PF/50V C0G \pm 5%(C1608C0G1H470JT)/TDK | C54,C62 | |
| I I I I I-0003 | CI00175 | SMD ceramic capacitor 0603 | 1.0uF/16V X7R \pm 10%(C1608X7R1C105KT)/TDK | C101 | |
| I I I I I-0004 | CI00179 | SMD ceramic capacitor 0603 | 0.22uF/25V X7R \pm 10%(C1608X7R1E224KT)/TDK | C40,C41,C61,C80 | |
| I I I I I-0005 | CI00185 | SMD ceramic capacitor 0603 | 0.1uF/50V X7R \pm 10%(C1608X7R1H104KT)/TDK | C69,C71,C72,C73,C74,C75,C76,C77,C78,C81,C82,C83,C84,C85,C86,C87,C88,C89,C90,C91,C92,C93,C94,C95,C96,C111,C112,C113,C114,C115,C116,C117,C118,C119,C120,C121,C122,C123,C124,C125,C126,C127,C128,C66,C98,C99 | |
| I I I I I-0006 | CI00204 | SMD ceramic capacitor 0603 | 0.027uF/50V \pm 10%(C1608X7R1H273KT)/TDK | C63,C64 | |
| I I I I I-0007 | CI00206 | SMD ceramic capacitor 0603 | 0.047uF/50V \pm 10%(C1608X7R1H473KT)/TDK | C60 | |
| I I I I I-0008 | CI00209 | SMD ceramic capacitor 0603 | 0.082uF/50V \pm 10%(C1608X7R1H823KT)/TDK | C59 | |
| I I I I I-0009 | CI00211 | SMD ceramic capacitor 0603 | 0.15uF/25V X7R \pm 10%(C1608X7R1E154KT)/TDK | C55 | |
| I I I I I-0010 | CI00220 | SMD ceramic capacitor 0603 | 220PF/50V C0G \pm 5%(C1608C0G1H221JT)/TDK | C65 | |
| I I I I I-0011 | CI00224 | SMD ceramic capacitor 0603 | 470PF/50V C0G \pm 5%(C1608C0G1H471JT)/TDK | C102 | |
| I I I I I-0012 | CI00330 | SMD ceramic capacitor-RS 0805 | 10uF/16V \pm 10%(GRM21BB31C106K)(MURATA) | C4,C5 | |
| I I I I I-0013 | CI00349 | SMD ceramic capacitor 0805 | 4.7uF/25V X5R \pm 10% | C47,C48,C97 | |
| I I I I I-0014 | CI00404 | SMD ceramic capacitor-RS-ACT 0603 | 0.47uF/16V (GRM188B31C474KA87D)(Murata) | C67,C68,C79 | |
| I I I I I-0015 | CI00413 | SMD ceramic capacitor-RS | 0.33uF/50V X7R \pm 10% | C49,C50 | |
| I I I I I-0016 | CO00168 | SMD inductance-RS-ACT | 1000 Ω \pm 25%(BLM18RK102SN1D) | L1,L2,L3,L4,R135,R136 | |
| I I I I I-0017 | RD00059 | SMD fixed resistor 1/10W | 0.0 Ω \pm 5% 0603 | C56,C57,R111,R112,TS212 | |
| I I I I I-0018 | RD00075 | SMD fixed resistor 1/10W | 300 Ω \pm 5% 0603 | R44,R45,R46,R47 | |
| I I I I I-0019 | RD00135 | SMD fixed resistor 1/4W | 330 Ω \pm 5% 1206 | R134 | |
| I I I I I-0020 | RD00201 | SMD precise resistor 1/10W | 1.50K Ω \pm 1% 0603 | R32 | |
| I I I I I-0021 | RD00203 | SMD precise resistor 1/10W | 2.00K Ω \pm 1% 0603 | R81,R82,R83,R84 | |
| I I I I I-0022 | RD00209 | SMD precise resistor 1/10W | 4.99K Ω \pm 1% 0603 | R38,R39,R90,R96,R98 | |
| I I I I I-0023 | RD00204 | SMD precise resistor 1/10W | 2.49K Ω \pm 1% 0603 | R97 | |
| I I I I I-0024 | RD00210 | SMD precise resistor 1/10W | 5.11K Ω \pm 1% 0603 | R114,R115 | |

| | | | | | | |
|---------|-------|---------|-----------------------------------|-----------------------------------|--|-----------------|
| I I I I | +0025 | RD00214 | SMD precise resistor 1/10W | 10.0K Ω \pm 1% 0603 | R1,R2,R3,R4,R5,R8,R9,R3 6,R37,R40,R41,R42,R43,R 102,R103,R104,R105,R106 R10,R11,R75,R76,R16,R1 7,R19,R130,R57,R59,R60, R61,R62,R63,R64,R65,R66 R67,R86,R87,R88,R89 | |
| I I I I | +0026 | RD00215 | SMD precise resistor 1/10W | 13.0K Ω \pm 1% 0603 | R121,R137,R138 | |
| I I I I | +0027 | RD00216 | SMD precise resistor 1/10W | 13.3K Ω \pm 1% 0603 | R94 | |
| I I I I | +0028 | RD00219 | SMD precise resistor 1/10W | 20.0K Ω \pm 1% 0603 | R107,R108,R6,R7 | |
| I I I I | +0029 | RD00272 | SMD precise resistor 1/10W | 10.0 Ω \pm 1% 0603 | R85 | |
| I I I I | +0030 | RD00282 | SMD precise resistor 1/10W | 1.00K Ω \pm 1% 0603 | R118,R133 | |
| I I I I | +0031 | RD00286 | SMD precise resistor 1/10W | 4.53K Ω \pm 1% 0603 | R72 | |
| I I I I | +0032 | RD00289 | SMD precise resistor 1/10W | 8.06K Ω \pm 1% 0603 | R12,R13 | |
| I I I I | +0033 | RD00290 | SMD precise resistor 1/10W | 47.5K Ω \pm 1% 0603 | R48,R49,R50,R51 | |
| I I I I | +0034 | RD00293 | SMD precise resistor 1/10W | 17.4K Ω \pm 1% 0603 | R109 | |
| I I I I | +0035 | RD00328 | SMD precise resistor 1/10W | 8.66K Ω \pm 1% 0603 | R110 | |
| I I I I | +0036 | RD00330 | SMD precise resistor 1/10W | 39.0K Ω \pm 1% 0603 | R129 | |
| I I I I | +0037 | RD00334 | SMD precise resistor 1/10W | 11.0K Ω \pm 1% 0603 | R120 | |
| I I I I | +0038 | RD00339 | SMD precise resistor 1/10W | 47.0K Ω \pm 1% 0603 | R22,R23,R24,R25,R26,R28 R30,R31,R33,R34,R35 | |
| I I I I | +0039 | RD00344 | SMD precise resistor 1/10W | 11.5K Ω \pm 1% 0603 | R117 | |
| I I I I | +0040 | RD00363 | SMD precise resistor 1/10W | 3.16K Ω \pm 1% 0603 | R52 | |
| I I I I | +0041 | RD00367 | SMD precise resistor 1/10W | 15.4K Ω \pm 1% 0603 | R122 | |
| I I I I | +0042 | RD00368 | SMD precise resistor 1/10W | 16.5K Ω \pm 1% 0603 | R71 | |
| I I I I | +0043 | RD00371 | SMD precise resistor 1/10W | 51.1K Ω \pm 1% 0603 | R53 | |
| I I I I | +0044 | RD00386 | SMD precise resistor 1/10W | 4.75K Ω \pm 1% 0603 | R55 | |
| I I I I | +0045 | RD00415 | SMD precise resistor 1/10W | 4.70K Ω \pm 1% 0603 | R125,R126,R131 | |
| I I I I | +0046 | RD00457 | SMD precise resistor 1/10W | 150K Ω \pm 1% 0603 | R101 | |
| I I I I | +0047 | RD00544 | SMD precise resistance 1/10W | 22 Ω \pm 1% 0603 | R127 | |
| I I I I | +0048 | RD00545 | SMD precise resistance 1/10W | 49.9 Ω \pm 1% 0603 | R99,R100 | |
| I I I I | +0049 | RD00550 | SMD precise resistor 1/10W | 27.0K Ω \pm 1% 0603 | R132 | |
| I I I I | +0050 | RD00695 | SMD precise resistor-RS | 3.24K Ω \pm 1% 0603 | R80 | |
| I I I I | +0051 | RD00709 | SMD precise resistor-RS | 1.37K Ω \pm 1% 0603 | R128 | |
| I I I I | +0052 | RD00721 | SMD fixed resistor-RS 1/10W | 22.1K Ω \pm 1% 0603 | R124 | |
| I I I I | +0053 | RD00750 | SMD precise resistor-RS 1/10W | 11.3K Ω \pm 1% 0603 | R54 | |
| I I I I | +0054 | RD00859 | SMD fixed resistor-RS 1/10W | 9.09K Ω \pm 1% 0603 | R116 | |
| I I I I | +0055 | RD00891 | SMD fixed resistor-RS 1/10W | 8.45K Ω \pm 1% 0603 | R95 | |
| I I I I | +0056 | RD00894 | SMD fixed resistor-RS 1/10W | 46.4K Ω \pm 1% 0603 | R20,R27 | |
| I I I I | +0057 | RD00907 | SMD precise resistor 1/10W | 26.7K Ω \pm 1% 0603 | R79 | |
| I I I I | +0058 | RD00913 | fixed resistor-RS 1/10W | 143K Ω \pm 1% 0603 | R56 | |
| I I I I | +0059 | RD00928 | SMD precise resistor 1/10W | 22.0K Ω \pm 1% 0603 | R123 | |
| I I I I | +0060 | RD00959 | SMD precise resistor 1/10W | 16.90K Ω \pm 1% 0603 | R93 | |
| I I I I | +0061 | RD00967 | SMD resistance 1/8W | 6.98K Ω \pm 1% 0805 | R14,R15 | |
| I I I I | +0062 | RD01038 | SMD fixed resistor-RS 1/10W | 40.2K Ω \pm 1% 0603 | R21,R29 | |
| I I I I | +0063 | RD01115 | SMD precise resistor 1/16W | 3.0K Ω \pm 1% 0603 | R113 | |
| I I I I | +0064 | SE00155 | SMD Schottky barrier diode-RS-ACT | BAT 64-04(SOT-23)/(INFINEON) | D1 | |
| I I I I | +0065 | SE00177 | SMD rectifier diode-RS | 0.5A LL4148(SOD-80)/(VISHAY) | D2,D3,D4 | |
| I I I I | +0066 | SF00038 | transistor | RK7002(ROHM) | TR1 | |
| I I I I | +0067 | SF00053 | transistor | MMBT3906(SOT23)/(PHI) | TR2 | |
| I I I I | +0068 | SG00033 | SMD integrated circuit | LM358DT(SO8)/(ST) | U18 | |
| I I I I | +0069 | SG00122 | SMD integrated circuit-RS-ACT | NJM4580M-TE3(DMP8)(JRC) | U1,U2,U3,U4,U5,U6,U7,U 8,U10,U11,U12,U15,U16, U9,U13,U19 | |
| I I I I | +0070 | SG00194 | SMD integrated circuit | NJM13600M-TE1(DMP16)/(JRC) | U14 | |
| I I I I | +0071 | SG00306 | SMD integrated circuit | LM393DR(TI)/(MEXICO) | U17,U20 | |
| I I I I | +0072 | AE00553 | SenJu solder paste | M705-GRN360-K2-V 0.5KG/bottle | | |
| I I I I | +0073 | SE00243 | SMD zener diode-RS | 1/2W 12V MMSZ5242A(SOD123)/PANJIT | ZD1,ZD2,ZD3,ZD4,ZD5,Z D6,ZD7,ZD8 | |
| I I I I | +0074 | HB04398 | PCB | TS2 SUB PRE(1*2) .VER160525 | | |
| I I I I | +0075 | RD00420 | SMD precise resistor 1/10W | 19.1K Ω \pm 1% 0602 | R77 | |
| I I I I | +0076 | RD00224 | SMD precise resistor 1/10W | 100K Ω \pm 1% 0603 | R78 | |
| I I I I | +0006 | CF00292 | metal-film capacitor-RS | 0.27uF/100V 5% CASE01 | C58 | |
| I I I I | +0007 | CF00183 | metal-film capacitor MSC | 0.1uF/100V 5% CASE01 | C14,C15,C16,C17,C18,C19 C20,C21,C129,C130 | |
| I I I I | +0008 | CF00155 | metal-film capacitor MSC | 0.22uF/63V 5% CASE02 | C39 | |
| I I I I | +0009 | CB00038 | electrolytic capacitor | 47uF/16V ϕ 5*7mm | R58 | |
| I I | +0019 | HK18332 | PC board | P-DM 300W+300W_DIP | | |
| I I | +0001 | RA00031 | metal-oxide-film resistor 2W | 10 Ω P type | R41,R42 | |
| I I | +0002 | RA00051 | metal-oxide-film resistor 2W | 5.6 Ω | R65,R66 | |
| I I | +0003 | NI00268 | sleeve | ϕ 6*20mm PGNS1008ZA/J1_P_C | R40 | |
| I I I | +0001 | NI00266 | sleeve | ϕ 6*1000mm | | |
| I I | +0004 | MG00162 | screw | M3*8 | | AMP*9 |
| I I | +0005 | MG00566 | screw | M3*10*0.5PH_V1.0 | | IC*2+shrapnel*9 |
| I I | +0006 | HC00088 | connector(male) | 2P 3.9mm 180'(#3921) | J3 | |
| I I | +0007 | HC00174 | connector(male) | 4P 3.96mm 180' | J5 | |
| I I | +0008 | HC00258 | connector(male) | 7P 2.0mm 180' | J4 | insert near L16 |
| I I | +0009 | HA01933 | jump | 2.5mm | BR1 | |
| I I | +0010 | HC00324 | connect terminal | 6.5m/m (PC250) | J1,J2 | |
| I I | +0011 | CB00151 | electrolytic capacitor | 220uF/63V ϕ 10*16mm | C98,C99 | |
| I I | +0012 | CN00069 | inductance-EMI SUPPRESSOR-RS-ACT | TB36-13-850485 | L1,L2,L5,L12 | |
| I I | +0013 | CG00023 | X1/Y1 capacitor | 0.0022uF/250VAC Y5U | C6,C7,C8,C10,C11 | |
| I I | +0014 | MK00103 | spring piece | 0.5*22.67*6.5*42.5_V1.0 | | Lock MOS TUBE |
| I I | +0015 | CB00295 | electrolytic capacitor | 820uF/180V ϕ 25*35 | C13,C14 | |
| I I | +0016 | NI04253 | sleeve-RS | ϕ 28*50M T-2 | | MK00103 |
| I I | +0017 | SD00317 | integrated circuit | NJM7912FA(TO220F)/(JRC) | U2 | |
| I I | +0018 | ME00226 | screw-RS | M3*0.5PH | | IC*2+shrapnel*9 |
| I I | +0019 | SA00316 | bridge rectifier-RS | 8A GBU-8K(PANJIT) | D12 | |

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|---|---|---|------|---------|-------------------------------|---|---|--|-------------------------|
| I | I | + | 0020 | NC01179 | insulator spacer-RS | 0.13t*40mm*55mm(HI-FLOW-625) | | | stick to Q1, Q5 |
| I | I | + | 0021 | CB00335 | electrolytic capacitor-RS | 1000uF/16V φ 8*20mm | C89,C90 | | |
| I | I | + | 0022 | RA01063 | metal-oxide-film resistor 3W | 0.1 Ω \pm 2% P type | R40 | | |
| I | I | + | 0023 | RH00033 | thermistor-RS-CT | 5 Ω B5723S-0509M000(EPCOS) | R6 | | |
| I | I | + | 0024 | SD00380 | integrated circuit-RS | NJM7812FA(TO220F)(JRC) | U1 | | |
| I | I | + | 0025 | AC00603 | lead free soldering bar | S100 | | | |
| I | I | + | 0026 | SB00284 | transistor-RS | IRFB4020PBF(TO220AB)(IR) | Q6,Q7,Q8,Q9 | | |
| I | I | + | 0027 | NC04098 | insulator spacer-RS | 0.13t*27.5*40mm(HI-FLOW-625) | | | pasted on Q6, Q7/Q8, Q9 |
| I | I | + | 0028 | ND01210 | cushion-RS | 8t*45*10mm(E-4382) | | | pasted on C13/C14 |
| I | I | + | 0029 | CB00436 | electrolytic capacitor-RS | 1000uF/63V LSR φ 16*25mm | C28,C31,C32,C64 | | |
| I | I | + | 0030 | CF00277 | metal-film capacitor-RS | 0.22uF/100V C242A224K2SC000(Fara) | C52,C53 | | |
| I | I | + | 0031 | CB00438 | electrolytic capacitor-RS | 470uF/25V LSR φ 8*20mm | C1,C2 | | |
| I | I | + | 0032 | CF00284 | metal-film capacitor-RS | 0.1uF/630V C822J104J60C000(Fara) | C26 | | |
| I | I | + | 0033 | RH00037 | thermistor-RS-ACT | 330 Ω PTFL04BG222Q2N34B0(MURATA) | PR200 | | |
| I | I | + | 0034 | CF00279 | metal-film capacitor-RS | 1.0uF/250V C322E105J60C000(Fara) | C50,C51 | | |
| I | I | + | 0035 | SB00369 | Transistor-RS | FDP18N50(TO220)/FAIRCHILD | Q1,Q5 | | |
| I | I | + | 0036 | CN00359 | inductance | 5.0mH φ 0.7*30T | L3,L4 | | |
| I | I | + | 0037 | CG00126 | X2 capacitor-RS | 0.33uF/275V \pm 10%(C42P234K6SC000)(FARA) | C9,C12 | | |
| I | I | + | 0038 | TC00585 | Transistor | PT-DM 350W+175W(ER35)_230V | T1 | | |
| I | I | + | 0039 | NI07555 | insulator | TT12 0.5t*95*93_V1.0 | | | |
| I | I | + | 0001 | NI04630 | film-RS-CT | 450*605*0.5mm 0.184kg_V1.0 | | | |
| I | I | + | 0040 | CG00130 | X2 capacitor | 0.47uF/305V 20%(C42Q2474M6HC000)(FARA) | C5 | | |
| I | I | + | 0041 | HA01919 | jump | 5mm | PR1,R110 | | |
| I | I | + | 0001 | HA02249 | wire | φ 0.6 鍍錫 | | | |
| I | I | + | 0042 | MI06323 | heat-shassis | TS212 2t*40*100*206_V1.2 | | | |
| I | I | + | 0001 | ME00221 | iron pillar | M3*8*0.5PH_V1.1 | | | |
| I | I | + | 0002 | MJ00055 | AL plate-RS | 2*2000*1000 10.88kg | | | |
| I | I | + | 0043 | CN00372 | Inductance | 22uH T94-2 | L8,L9 | | |
| I | I | + | 0044 | HK18335 | PC board | P-DM 300W+300W_A1 | | | |
| I | I | + | 0001 | CB00112 | electrolytic capacitor | 10uF/35V 105 $^{\circ}$ C φ 4*7mm 2.5mm | C95 | | |
| I | I | + | 0002 | CF00183 | metal-film capacitor MSC | 0.1uF/100V 5% CASE01 | C79,C80 | | |
| I | I | + | 0003 | CB00188 | electrolytic capacitor | 10uF/63V φ 5*11mm 2.5mm | C37 | | |
| I | I | + | 0004 | CB00034 | electrolytic capacitor | 33uF/16V φ 5*11mm 2.5mm | C83,C84 | | |
| I | I | + | 0005 | CC00074 | mylar capacitor-RS-ACT | 0.01uF/100V 3% | C27 | | |
| I | I | + | 0006 | CA00131 | ceramic capacitor-RS | 0.01uF/1000V Z5U | C15,C16,C25 | | |
| I | I | + | 0007 | CB00409 | electrolytic capacitor-RS | 22uF/16V 105 $^{\circ}$ C φ 5*11mm | C45,C46 | | |
| I | I | + | 0008 | CB00469 | electrolytic capacitor-RS | 100uF/16V LSR 105 $^{\circ}$ C φ 5*11mm | C34,C35,C38,C3,C4 | | |
| I | I | + | 0009 | HK18333 | PC board | P-DM 300W+300W_SMD | | | |
| I | I | + | 0001 | SF00083 | transistor | MMBT5551LT1G(SOT23)(ON) | Q4 | | |
| I | I | + | 0002 | RD00298 | SMD precise resistor 1/10W | 47.0 Ω \pm 1% 0603 | R23 | | |
| I | I | + | 0003 | SE00012 | SMD rectifier diode-RS | BAV103(PHI) | D15,D16,D22,D23 | | |
| I | I | + | 0004 | SG00122 | SMD integrated circuit-RS-ACT | NJM4580M-TE3(DMP8)(JRC) | U5 | | |
| I | I | + | 0005 | SE00054 | SMD L.E.D | yellow 19-21UYC/S530-A2/TR8 | DS1,DS2 | | |
| I | I | + | 0006 | RD00327 | SMD precise resistor 1/10W | 8.20K Ω \pm 1% 0603 | R75,R76 | | |
| I | I | + | 0007 | RD00355 | SMD fixed resistor 1/10W | 4.7 Ω \pm 5% 0603 | R79,R80 | | |
| I | I | + | 0008 | RD00214 | SMD precise resistor 1/10W | 10.0K Ω \pm 1% 0603 | R10,R24,R25,R59,R60,R10 0,R30 | | |
| I | I | + | 0009 | RD00059 | SMD fixed resistor 1/10W | 0.0 Ω \pm 5% 0603 | R109 | | |
| I | I | + | 0010 | RD00209 | SMD precise resistor 1/10W | 4.99K Ω \pm 1% 0603 | R73,R74 | | |
| I | I | + | 0011 | RD00224 | SMD precise resistor 1/10W | 100K Ω \pm 1% 0603 | R9,R12,R13,R14,R26,R27 | | |
| I | I | + | 0012 | RD00460 | SMD precise resistor 1/10W | 560 Ω \pm 1% 0603 | R64 | | |
| I | I | + | 0013 | RD00466 | SMD precise resistor 1/4W | 2.0K Ω \pm 1% 1206 | R35,R36,R102,R103 | | |
| I | I | + | 0014 | RD00255 | SMD precise resistor 1/4W | 100K Ω \pm 1% 1206 | R7,R8 | | |
| I | I | + | 0015 | RD00506 | SMD precise resistor 1/10W | 3.30K Ω \pm 1% 0603 | R77,R78,C72 | | |
| I | I | + | 0016 | RD00512 | SMD precise resistor 1/10W | 180K Ω \pm 1% 0603 | R92 | | |
| I | I | + | 0017 | RD00219 | SMD precise resistor 1/10W | 20.0K Ω \pm 1% 0603 | R71,R72 | | |
| I | I | + | 0018 | RD00399 | SMD precise resistor 1/4W | 10.0K Ω \pm 1% 1206 | R57,R58 | | |
| I | I | + | 0019 | RD00282 | SMD precise resistor 1/10W | 1.00K Ω \pm 1% 0603 | R21,R39,R63,R91 | | |
| I | I | + | 0020 | RD00272 | SMD precise resistor 1/10W | 10.0 Ω \pm 1% 0603 | R45,R49,R50,R61,R62,R67 ,R68,R81,R82,R83,R84 | | |
| I | I | + | 0021 | RD00274 | SMD precise resistor 1/10W | 100 Ω \pm 1% 0603 | R69,R70 | | |
| I | I | + | 0022 | RD00414 | SMD precise resistor 1/10W | 3.90K Ω \pm 1% 0603 | R28,R22 | | |
| I | I | + | 0023 | RD00385 | SMD precise resistor 1/10W | 3.01K Ω \pm 1% 0603 | R47,R48 | | |
| I | I | + | 0024 | RD00415 | SMD precise resistor 1/10W | 4.70K Ω \pm 1% 0603 | R85,R86 | | |
| I | I | + | 0025 | RD00400 | SMD fixed resistor 1/4W | 220 Ω \pm 5% 1206 | R1,R17 | | |
| I | I | + | 0026 | RD00525 | SMD precise resistor 1/10W | 33.0K Ω \pm 1% 0603 | R55,R56 | | |
| I | I | + | 0027 | RD00303 | SMD precise resistor 1/10W | 57.6K Ω \pm 1% 0603 | R33,R34 | | |
| I | I | + | 0028 | RD00200 | SMD precise resistor 1/10W | 150 Ω \pm 1% 0603 | R46 | | |
| I | I | + | 0029 | CI00096 | SMD ceramic capacitor 0603 | 560PF/50V NPO \pm 5% | C20 | | |
| I | I | + | 0030 | CI00145 | SMD ceramic capacitor 0805 | 0.0015uF/50V X7R \pm 10% | C60,C61,C62,C63,C67,C68 | | |
| I | I | + | 0031 | CI00154 | SMD ceramic capacitor 1206 | 0.1uF/100V X7R \pm 10% | C33,C69 | | |
| I | I | + | 0032 | CI00185 | SMD ceramic capacitor 0603 | 0.1uF/50V X7R \pm 10%(C1608X7R1H104KT)/TDK | C29,C30,C56,C57,C81,C82 ,C91,C92,C93,C94,C19 | | |
| I | I | + | 0033 | CI00179 | SMD ceramic capacitor 0603 | 0.22uF/25V X7R \pm 10%(C1608X7R1E224KT)/TDK | C44 | | |
| I | I | + | 0034 | CI00195 | SMD ceramic capacitor 1206 | 4.7uF/25V Y5V (GRM31CB11E475ZA01D) | C65,C66,C70,C71,C85,C86 ,C87,C88,C36,C24 | | |
| I | I | + | 0035 | CI00206 | SMD ceramic capacitor 0603 | 0.047uF/50V \pm 10%(C1608X7R1H473KT)/TDK | C18,C49 | | |
| I | I | + | 0036 | CI00201 | SMD ceramic capacitor 0603 | 0.01uF/50V \pm 10%(C1608X7R1H103KT)/TDK | C58,C59 | | |
| I | I | + | 0037 | CI00051 | SMD ceramic capacitor 0603 | 22PF/50V COG \pm 5%(C1608COG1H220JT)/TDK | C43 | | |
| I | I | + | 0038 | CI00220 | SMD ceramic capacitor 0603 | 220PF/50V COG \pm 5%(C1608COG1H221JT)/TDK | C39,C42 | | |
| I | I | + | 0039 | SF00082 | transistor-RS-ACT | MMBT5401LT1G(SOT23)(ON) | Q3 | | |
| I | I | + | 0040 | RD00541 | SMD precise resistance 1/10W | 0 Ω \pm 1% 0603 | | | 350W+175W |
| I | I | + | 0041 | RD00596 | SMD precise resistor-RS 1/4W | 10.0 Ω \pm 1% 1206 | R37,R38,R96,R99 | | |
| I | I | + | 0042 | CI00269 | SMD ceramic capacitor-RS 1206 | 1.0uF/25V X7R \pm 10% | C23,C41 | | |
| I | I | + | 0043 | SE00089 | SMD zener diode-RS | 1/2W 5.1V(MMSZ5231B)(SOD-123)(PANJIT) | D5,D19 | | |
| I | I | + | 0044 | RD00636 | SMD precise resistor-RS 1/4W | 47.0K Ω \pm 1% 1206 | R18,R52 | | |
| I | I | + | 0045 | SE00098 | SMD zener diode-RS-C | 1W 15V DL4744A MELF(SI) | D14 | | |

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|---|---|---|---|---|------|---------|--------------------------------------|---|--|-------------------------------------|
| I | I | I | I | + | 0046 | SG00495 | SMD integrated circuit-RS | IR2156SPBF(SO14)/(IR) | U3 | |
| I | I | I | I | + | 0047 | CI00279 | SMD ceramic capacitor-RS 1206 | 0.0022uF/200Vx7R±10% | R94 | |
| I | I | I | I | + | 0048 | CI00306 | SMD ceramic capacitor-RS | 1.0uF/25V X7R ±10% | C21,C22 | |
| I | I | I | I | + | 0049 | AE00553 | SenJu solder paste | M705-GRN360-K2-V 0.5KG/bottle | | |
| I | I | I | I | + | 0050 | RD00697 | SMD precise resistor-RS | 390.0Ω ±1% 0603 | R51 | |
| I | I | I | I | + | 0051 | SE00133 | SMD zener diode-RS | 225mW 12V BZX84C12LT1G(SOT23) | D18 | |
| I | I | I | I | + | 0052 | SE00134 | SMD rectifier diode-RS-ACT | 1A 600V MURS160T3G (SMB)/(ON) | D13 | |
| I | I | I | I | + | 0053 | SG00667 | SMD integrated circuit-RS | IRS2092S(SOIC16N)/(IR) | U7,U8 | |
| I | I | I | I | + | 0054 | CI00328 | SMD ceramic capacitor-RS 1206 | 150PF/630V COG ±5%(C3216C0G2J151J)/TDK | C47,C48 | |
| I | I | I | I | + | 0055 | SE00149 | SMD double-direct triy diode-RS | 1A/30V RB160M-30(ROHM) | D3,D4 | |
| I | I | I | I | + | 0056 | RD00818 | SMD fixed resistor 2W | 2.2KΩ ±5% 2512 | R43,R44 | |
| I | I | I | I | + | 0057 | RD00800 | SMD precise resistor 1/8W | 10.0Ω ±1% 0805 | R112,R113,R114,R115 | |
| I | I | I | I | + | 0058 | SG00729 | SMD integrated circuit-RS-ACT | MC78M12CDTRKG(DPAK-3)/(ON) | U4 | |
| I | I | I | I | + | 0059 | SE00156 | SMD diode-RS-ACT | 1A/200V ES1D(SMA)/(FAIRCHILD) | D1,D2,D20,D21,D28 | |
| I | I | I | I | + | 0060 | CI00356 | SMD ceramic capacitor 1206 | 0.1uF/250V X7R ±10%(GRM31CR72E104KW03L) | C73,C74,C75,C76,C77,C78 R104,R105,R106,R107 | |
| I | I | I | I | + | 0061 | SE00161 | SMD diode-RS | 2A/200V ER2D 35nS(DO214AA)/(PANJIT) | D29,D30,D31,D32,D33,D34 D35,D36 | |
| I | I | I | I | + | 0062 | CO00168 | SMD inductance-RS-ACT | 1000Ω ±25%(BLM18RK102SN1D) | L6,L7,L10,L11,L14,L15,L16 L17,L13 | |
| I | I | I | I | + | 0063 | CI00366 | SMD ceramic capacitor 0805 | 220PF/250V COG ±5% | C100,C101,C102,C103 | |
| I | I | I | I | + | 0064 | CI00387 | SMD ceramic capacitor-RS | 0.0022uF/250V X7R ±10% | C54,C55 | |
| I | I | I | I | + | 0065 | SE00177 | SMD rectifier diode-RS | 0.5A LL4148(SOD-80)/(VISHAY) | D10,D11,D24,D25,D26,D27 | |
| I | I | I | I | + | 0066 | SE00189 | SMD diode-RS-ACT | 8A/200V STTH802B-TR (DPAK)/(ST) | BD1,BD2,BD3,BD4 | |
| I | I | I | I | + | 0067 | RD00945 | SMD resistance 1/4W | 1.0Ω ±1% 1206 | R87,R88 | |
| I | I | I | I | + | 0068 | RD00957 | SMD precise resistor 1/10W | 4.3KΩ ±1% 0603 | R31,R32 | |
| I | I | I | I | + | 0069 | RD00293 | SMD precise resistor 1/10W | 17.4KΩ ±1% 0603 | R29 | |
| I | I | I | I | + | 0070 | RD01001 | SMD precise resistance 1/10W | 24KΩ ±1% 0603 | R53,R54 | |
| I | I | I | I | + | 0071 | HB04061 | PCB | DM 400W+200W_VER150720 | | |
| I | I | I | I | + | 0072 | SB00379 | Photodiode | LTV-817S-TA1-C(LITEON)/ | U6 | |
| I | I | I | I | + | 0073 | RD00123 | SMD fixed resistor 1/10W | 470KΩ ±5% 0603 | R2,R3,R4,R5 | |
| I | I | I | I | + | 0045 | MC01371 | top cover | TS212 1.5t*19.5*95.6*163_V1.0 | | |
| I | I | I | I | + | 0001 | MJ00069 | iron board | 1.5*2135*1220 30.67kg | | |
| I | I | I | I | + | 0046 | MG00269 | screw-RS | M3*6 | | fix the top cover |
| I | I | I | I | + | 0020 | NI00218 | cable tie | ALT-102SB | | |
| I | I | I | I | + | 0021 | HA05997 | header wiring | 2P UL1007 18AWG | | |
| I | I | I | I | + | 0022 | ND01444 | EV foam | 0.5t*650*3mm_V1.0 | | stick to the sealed box |
| I | I | I | I | + | 0023 | NI02527 | knob-RS | φ 14*13mm_V1.3 | | |
| I | I | I | I | + | 0024 | MA11188 | panel | TS212S ALTO CHINA_V1.1 | | |
| I | I | I | I | + | 0001 | MA11187 | panel | TS 212 SUB 2t*235*268 | | |
| I | I | I | I | + | 0001 | AE00055 | solvent | solvent | | |
| I | I | I | I | + | 0002 | AE00201 | . | 5041 | | |
| I | I | I | I | + | 0003 | MA11186 | panel | TS 212 SUB 2t*235*268_V1.1 | | |
| I | I | I | I | + | 0001 | ME00001 | screw pillar-RS | M4*10*0.7PH_V1.0 | | |
| I | I | I | I | + | 0002 | MB00319 | iron pillar-RS-CT | 6.35*M3*26.5_V1.0 | | |
| I | I | I | I | + | 0003 | ME00038 | iron pillar | 6.35*M3*8.4_V1.3 | | |
| I | I | I | I | + | 0004 | MJ01580 | single light board-RS | 2.0t*1850*1250mm 36kg | | |
| I | I | I | I | + | 0025 | NI07837 | fixed bracket | TS 212 SUB 81*187.5*24.5_V1.0 | | |
| I | I | I | I | + | 0026 | HA06363 | header wiring | 7P-7P 200mm UL1007 26AWG | | |
| I | I | I | I | + | 0027 | NC04781 | Insulator | φ 7.5_ES503_DB | | stick to AC Jack |
| I | I | I | I | + | 0022 | NF04684 | user manual | TS2 SUB ALTO_V1.0 | | |
| I | I | I | I | + | 0001 | NH00231 | paper | 889*554mm | | |
| I | I | I | I | + | 0023 | NE27156 | lable | TS212SXUS_V1.0 | | pasted on the two sides of carton*2 |
| I | I | I | I | + | 0001 | NI00018 | membrane | 0.06*1M | | |
| I | I | I | I | + | 0002 | NH00035 | bond paper | 0.06*1M | | |
| I | I | I | I | + | 0024 | ND01485 | sponge | 1t*15*13.7 black_V1.0 | | pasted on the LED support*1 |
| I | I | I | I | + | 0025 | NI00218 | cable tie | ALT-102SB | | fix the speaker cable*1,LED wire*1 |
| I | I | I | I | + | 0026 | NB08874 | carton | TS212S ALTO_V1.0 | | |
| I | I | I | I | + | 0027 | NE27159 | lable | TS212S_V1.0 | | stick to the right corner of grille |
| I | I | I | I | + | 0028 | NI07857 | 3M VHB | 1t*31.3*26.4 (3M 4952)_V1.0 | | stick to the back*2 |
| I | I | I | I | + | 0029 | NI07836 | mark | TS 212 SUB 30.35*11.03*90.22_V1.0 | | |
| I | I | I | I | + | 0030 | MD02087 | iron net | TS212SUB 1.2t*64.8*426.9*411_V1.0 | | |
| I | I | I | I | + | 0031 | HA06368 | wire | 4P 280mm UL1007 18AWG | | |
| I | I | I | I | + | 0001 | HA06369 | wire | 4P 280mm UL1007 18AWG | | |
| I | I | I | I | + | 0002 | CN00283 | high frequency magnetism encircle-RS | φ 16*16 (742700752)/WURTH ELEKTRONIK | | |
| I | I | I | I | + | 0032 | NE26801 | label | NUMARK SERIES_V1.0 | | pasted to the PE bags |
| I | I | I | I | + | 0001 | NI02598 | membrane | 125mm | | |
| I | I | I | I | + | 0002 | NI00068 | Scotch tape | 0.16*1M | | |
| I | I | I | I | + | 0033 | NE21518 | label | APX2000/3000_V1.1 | | pasted to the powercon |

| Rank | Part No | Description | Specification | Insert Location | Remark |
|---------|---------|-------------------------|--|-----------------|--|
| PC03013 | PC03013 | SPEAKER | TS212S_ALTO_230V_CHINA_(NUMARK) | | |
| I-0001 | NC05053 | box | TS212S_V1.1 | | |
| I-0001 | NI02426 | foot cushion | φ 37*15.5mm PGHA1022ZA/J1_P_A | | |
| I-0002 | MI02042 | handle-RS | 220*163.5*63mm_V1.0 | | |
| I-0003 | ME00082 | nut-RS | M5*0.8PH*10.6_V1.2 | | Lock the woofer |
| I-0004 | ME00083 | nut | M6*1.0PH*11.6_V1.2 | | Lock the pole mount |
| I-0005 | ME00085 | nut | M4*0.7PH*9.3_V1.2 | | Lock the handles on two sides |
| I-0006 | MG00034 | screw | M4*16 | | Lock the handle*12 |
| I-0007 | MG00338 | screw-RS | M4*30mm | | Lock the handle*8 |
| I-0008 | MG00670 | SCREW-RS | M6*40 | | Lock the pole mount*4 |
| I-0009 | ND00242 | EV foam | 43*47.5*1.5mm | | stick to the handles on two sides |
| I-0010 | ND00634 | EV foam-RS | 2.0*300*15mm_black_V1.0 | | stick to the pole mount |
| I-0011 | ND00635 | EV foam-RS | 2.0*700*15mm_black_V1.0 | | stick to the handles |
| I-0012 | MG00751 | screw-RS | M4*20MM | | lock the feet*4 |
| I-0013 | MH01704 | handle-RS | ELVIS φ 110*96_V1.3 | | |
| I-0014 | NH00782 | Tube | TS212S φ 100*φ 08*233_V1.0 | | used for the cabinet*2 |
| I-0015 | NC05057 | top cover | TS 212S 505.1*450*15mm_V1.0 | | |
| I-0001 | NC03656 | Plywood-RS-CARB | 2440*1220*15t | | |
| I-0016 | NC05058 | chassis | TS 212S 505.1*450*15mm_V1.0 | | |
| I-0001 | NC03656 | Plywood-RS-CARB | 2440*1220*15t | | |
| I-0017 | NC05059 | side cover board | TS 212S 449.3*419*15mm left_V1.0 | | |
| I-0001 | NC03656 | Plywood-RS-CARB | 2440*1220*15t | | |
| I-0018 | NC05060 | side cover board | TS 212S 449.3*419*15mm right_V1.0 | | |
| I-0001 | NC03656 | Plywood-RS-CARB | 2440*1220*15t | | |
| I-0019 | NC05061 | front board | TS 212S 429*419*18mm_V1.0 | | |
| I-0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I-0020 | NC05062 | rear board | TS 212S 419*337.5*18mm_V1.0 | | |
| I-0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I-0021 | NC05063 | rear board | TS 212S 277.5*310.5*18mm_V1.0 | | |
| I-0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I-0022 | NC05064 | barrier | TS 212S 398*110*15mm_V1.0 | | |
| I-0001 | NC03656 | Plywood-RS-CARB | 2440*1220*15t | | |
| I-0023 | NC05065 | billet | TS 212S 408.5*63.5*15mm_V1.0 | | |
| I-0001 | NC03656 | Plywood-RS-CARB | 2440*1220*15t | | |
| I-0024 | AB00684 | Paint | LTS-6072 25KG/Pail | | |
| I-0025 | AB00686 | Paint | LTS-6071B 10KG/Pail | | |
| I-0026 | AB00687 | Paint | DTS-1202-1 20KG/Pail | | |
| I-0027 | AB00688 | Paint | DTS-1021A-1 20KG/Pail | | |
| I-0028 | AB00689 | Paint | DTS-1021B 10KG/Pail | | |
| I-0029 | AB00692 | Paint | PU-010-4 170KG/Pail | | |
| I-0030 | AB00693 | Paint | MTS-2209 20KG/Pail | | |
| I-0031 | AB00694 | Paint | LTS-6070B-1 10KG/Pail | | |
| I-0032 | ND01550 | Absorb sound sponge-RS | TS212S 800*350*30t 500g/mi/UL_V1.0 | | |
| I-0002 | HK18344 | speaker | 12inch 600W 8Ω(TS212S) | | |
| I-0001 | NH00243 | cushion-RS | φ 315*284.4*8 EVA+ 8_V1.1 | | |
| I-0002 | NH00715 | caushion-RS | φ 152*138*20_V1.0 | | |
| I-0003 | ND00525 | dust-proof shade-RS | φ 116*24_V1.0 | | |
| I-0004 | MH01986 | magnet-RS | φ 180*95*20_Y30_V1.0 | | |
| I-0005 | MH01110 | rivet | M0500A_OU-30 | | |
| I-0006 | MG00263 | screw | M5*8 | | Lock the washer and bracket*6 |
| I-0007 | HC00426 | terminal-RS | M0021B_PT2.1_V1.0 | | |
| I-0001 | HC00496 | connect terminal | 0.8*13*16.3mm | | |
| I-0002 | HC00495 | connect terminal | 0.8*13*16.3mm | | |
| I-0003 | NI02583 | terminal block | 3.5*24.5*3t | | |
| I-0008 | HA04554 | line-RS | TA2J7Y18H2KA33/42WB*2*180mm | | |
| I-0001 | HA04553 | line-RS | TA2J7Y18H2KA33/42WB*1M | | |
| I-0009 | ND01346 | spider-RS | φ 150*76*4 N-1500 0.3/100g TCY:D-1500H | | |
| I-0010 | MH02767 | T type middle pillar | φ 165*74.25*31.5*8 φ 30 | | |
| I-0011 | MH02465 | iron coil-RS | φ 175*78.5*10 P:120 TL:W175-49_V1.0 | | |
| I-0012 | NE27053 | label | HK18344_V1.0 | | |
| I-0001 | NI00015 | membrane | 0.04*1M | | |
| I-0002 | NH00012 | bond paper | 0.04*1M | | |
| I-0013 | ND01380 | wind-proof sponge-RS | φ 34*30H 20'_V1.0 | | |
| I-0014 | MI06470 | bracke | φ 318*81*91.7 P:120 YD300-07M1-H2 | | |
| I-0015 | NH00785 | cone | φ 302*φ 76.5*59.5 YL:NCHL12150-3B/B | | |
| I-0016 | HC00595 | voice coil | TTL/4L φ 74.88*56*5.2Ω*0.27 22.2 EI | | |
| I-0003 | NI07833 | net | TS212S 5t*407*476.2_V1.0 | | stick to the back of grille*1 |
| I-0004 | HA06358 | wire | 550mm UL1015 18AWG+Capacitance | | speaker wire*1 |
| I-0001 | CF00245 | metal-film capacitor-RS | 0.0022uF/400V 5% ESK400D22JA | | |
| I-0002 | HA06357 | wire | 550mm UL1015 18AWG | | |
| I-0005 | ND00665 | EV foam-RS | 950*15*2.0mm_black_V1.0 | | stick to the AMP |
| I-0006 | ND00633 | EV foam-RS | 1.0*1500*15mm_black_V1.0 | | pasted on the two sides of grille |
| I-0007 | ND00374 | EV foam | 2.0*948*18mm_black_V1.0 | | pasted on the woofer |
| I-0008 | MG01030 | Screw-RS | M3*20 | | lock the grille*8 |
| I-0009 | MG00350 | screw-RS | M5*30 | | lock the woofer*8 |
| I-0010 | MG00351 | screw-RS | M4*16 | | fix the amp and cabinet*8 |
| I-0011 | HA00861 | power cord Europe 3P | LT-312+LT-501 | | |
| I-0012 | HK17710 | PC board | P-TS212 Logo LED-DIP | | to fix the logo |
| I-0001 | HK17709 | PC board | P-TS210 LED--SMD | | |
| I-0001 | HB04153 | PCB-RS | TS212 LOGO LED (4*8)_VER150908 | | |
| I-0002 | SE00270 | SMD L.E.D | blue MS-PTB414SUBC | LED1 | |
| I-0003 | AB00553 | SenJu solder paste | M705-GRN360-K2-V 0.5KG/bottle | | |
| I-0002 | HC00253 | connector(male) | 2P 2.0mm 180° | CN1 | |
| I-0003 | AC00603 | lead free soldering bar | S100 | | |
| I-0013 | NI07597 | LED lens | TS212 16.69*10.32*8.15_V1.1 | | |
| I-0014 | HA04308 | header wiring | 2P-2P 700mm UL1007 26AWG red/white | | connect the LED of logo |
| I-0015 | NA00885 | PE bag-RS | 0.03t*1200*1050mm 12 PGPP1036ZA/J1_P_C | | pack the speaker |
| I-0016 | NA00858 | PE bag-RS | 0.04t*240*160mm_V1.0 | | pack the user manual and guarantee |
| I-0017 | NA01717 | sponge barrier | TS212S_V1.0 | | |
| I-0018 | NE27061 | label | TS212S_V1.0 | | Inside and outside*1, carton *1, user manual*1 |
| I-0019 | NE27069 | label | TS212S_V1.0 | | speaker*1 |

| | | | | | | | | |
|---|-------|---------|------------------------|--------------------------------------|------------------------------------|------------------------------------|---|---|
| I | -0001 | NI00015 | membrane | 0.04*1M | | | | |
| I | -0002 | NH00012 | bond paper | 0.04*1M | | | | |
| I | -0020 | NF03534 | assurance card-RS | ALTO PROFESSIONAL_V2.0 | | | | |
| I | -0021 | HK18377 | Faceplate | TS212S_ALTO_220-240V_CHINA_(NUMARK) | | fixed to the back of the cabinet | | |
| I | -0001 | HA01271 | single terminal wiring | 60 (PC250,PC187) | | SW TO AC Jack | | |
| I | -0002 | HA01287 | wire-RS | 60mm UL1015 18AWG blue | | SW TO AC Jack | | |
| I | -0003 | HA03186 | wire | 100mm UL1015 14AWG | | GND | | |
| I | -0004 | HA04141 | wire | 100mm UL1015 18AWG blue | | AC SW to AC Jack | | |
| I | -0005 | HA04143 | wire | 100mm UL1015 18AWG brown | | AC SW to AC Jack | | |
| I | -0006 | HC00331 | AC socket | RF-2004 | | | | |
| I | -0007 | HD00013 | glass tube fuse | 3.15A 250V ϕ 5*20mm CSA/SUL/VDE | | | | |
| I | -0008 | HI00475 | power switch-RS | 2*2P RF-1003-BBA8E2X1T | | | | |
| I | -0009 | ME00016 | color nut | 4m/m | | GND | | |
| I | -0010 | MF00014 | washer | ϕ 3* ϕ 6.5*0.5t | | AMP*6 | | |
| I | -0011 | MF00038 | washer-RS | ϕ 4* ϕ 7*1t | | GND | | |
| I | -0012 | MF00048 | washer-RS | ϕ 4* ϕ 8*0.5t | | GND | | |
| I | -0013 | MG00061 | screw-RS | M3*10(加硬處理) | | MIC*8, sealed box*16 | | |
| I | -0014 | MG00162 | screw | M3*8 | | AMP*6 | | |
| I | -0015 | MG00163 | screw | M3*8 | | fix the soldering tag*1, PRE GND*1 | | |
| I | -0016 | NI01862 | key | 5.5*5.5*14.5_V1.1 | | | | |
| I | -0017 | NI06123 | key | 9.2*9.2*7.3(3.3*3.3)_V1.0 | | | | |
| I | -0018 | HK18336 | PC board | P-TS212 SUB-PRE-DIP | | | | |
| I | I | -0001 | SA00051 | L.E.D | ϕ 3 orange,green 28/30/32mm | DL5 | | |
| I | I | -0002 | SA00052 | L.E.D | ϕ 3 round(green)long foot 26 | DL1,DL2 | | |
| I | I | -0003 | SA00053 | L.E.D | ϕ 3 round(red)long foot 26mm | DL4 | | |
| I | I | -0004 | SA00054 | L.E.D | 3m/m round(yellow)long foot 26 | DL3 | | |
| I | I | -0005 | HC00253 | connector(male) | 2P 2.0mm 180° | CN4 | | |
| I | I | -0006 | HC00258 | connector(male) | 7P 2.0mm 180° | CN3 | | |
| I | I | -0007 | HC00392 | balance MIC jack-RS | JY-5030-030G 180° | JK1,JK2 | | |
| I | I | -0008 | HC01212 | balance MIC jack-RS | K6X01V-6-3A | J1,J2 | | |
| I | I | -0009 | HI00162 | push-button switch | 2 paragraphs 6p PS-22E8552L | SW2,SW3 | | |
| I | I | -0010 | HI00163 | push-button switch | 2 stage 12P PS-42E85 | SW1 | | |
| I | I | -0011 | NI02532 | LED spacer support | LEDs-22 22mm | | | |
| I | I | -0012 | RC01034 | Potentiometer-RS | 30A103-Q1-FA265B120-10K L26.5PCx12 | VR1 | | |
| I | I | -0013 | AC00603 | lead free soldering bar | S100 | | | |
| I | I | -0014 | HK18338 | PC board | P-TS212 SUB-PRE-AI | | | |
| I | I | I | -0001 | CB00192 | electrolytic capacitor | 10uF/16V ϕ 4*7mm | C1,C2,C3,C6,C7,C35,C36,C37,C38,C42,C70 | |
| I | I | I | -0002 | CB00193 | electrolytic capacitor | 47uF/16V ϕ 6*7mm | C51,C52,C53 | |
| I | I | I | -0003 | CB00251 | electrolytic capacitor | 220UF/25V ϕ 8*11mm | C103,C104 | |
| I | I | I | -0004 | CB00262 | electrolytic capacitor | 47uF/16V NP ϕ 6.3*11mm | C100 | |
| I | I | I | -0005 | HK18337 | PC board | P-TS212 SUB-PRE-SMD | | |
| I | I | I | I | -0001 | CI00051 | SMD ceramic capacitor 0603 | 22PF/50V COG \pm 5%(C1608C0G1H220JT)/TDK | C8,C9,C10,C11,C12,C13,C22,C23,C24,C25,C26,C27,C28,C29,C30,C31,C32,C33,C34,C43,C44 |
| I | I | I | I | -0002 | CI00055 | SMD ceramic capacitor 0603 | 47PF/50V COG \pm 5%(C1608C0G1H470JT)/TDK | C54,C62 |
| I | I | I | I | -0003 | CI00175 | SMD ceramic capacitor 0603 | 1.0uF/16V X7R \pm 10%(C1608X7R1C105KT)/TDK | C101 |
| I | I | I | I | -0004 | CI00179 | SMD ceramic capacitor 0603 | 0.22uF/25V X7R \pm 10%(C1608X7R1E224KT)/TDK | C40,C41,C61,C80 |
| I | I | I | I | -0005 | CI00185 | SMD ceramic capacitor 0603 | 0.1uF/50V X7R \pm 10%(C1608X7R1H104KT)/TDK | C69,C71,C72,C73,C74,C75,C76,C77,C78,C81,C82,C83,C84,C85,C86,C87,C88,C89,C90,C91,C92,C93,C94,C95,C96,C111,C112,C113,C114,C115,C116,C117,C118,C119,C120,C121,C122,C123,C124,C125,C126,C127,C128,C66,C98,C99 |
| I | I | I | I | -0006 | CI00204 | SMD ceramic capacitor 0603 | 0.027uF/50V \pm 10%(C1608X7R1H273KT)/TDK | C63,C64 |
| I | I | I | I | -0007 | CI00206 | SMD ceramic capacitor 0603 | 0.047uF/50V \pm 10%(C1608X7R1H473KT)/TDK | C60 |
| I | I | I | I | -0008 | CI00209 | SMD ceramic capacitor 0603 | 0.082uF/50V \pm 10%(C1608X7R1H823KT)/TDK | C59 |
| I | I | I | I | -0009 | CI00211 | SMD ceramic capacitor 0603 | 0.15uF/25V X7R \pm 10%(C1608X7R1E154KT)/TDK | C55 |
| I | I | I | I | -0010 | CI00220 | SMD ceramic capacitor 0603 | 220PF/50V COG \pm 5%(C1608C0G1H221JT)/TDK | C65 |
| I | I | I | I | -0011 | CI00224 | SMD ceramic capacitor 0603 | 470PF/50V COG \pm 5%(C1608C0G1H471JT)/TDK | C102 |
| I | I | I | I | -0012 | CI00330 | SMD ceramic capacitor-RS 0805 | 10uF/16V \pm 10%(GRM21BB31C106KJ)(MURATA) | C4,C5 |
| I | I | I | I | -0013 | CI00349 | SMD ceramic capacitor 0805 | 4.7uF/25V X5R \pm 10% | C47,C48,C97 |
| I | I | I | I | -0014 | CI00404 | SMD ceramic capacitor-RS-ACT 0603 | 0.47uF/16V (GRM188B31C474KA87D)(Murata) | C67,C68,C79 |
| I | I | I | I | -0015 | CI00413 | SMD ceramic capacitor-RS | 0.33uF/50V X7R \pm 10% | C49,C50 |
| I | I | I | I | -0016 | CO00168 | SMD inductance-RS-ACT | 1000 Ω \pm 25%(BLM18RK102SN1D) | L1,L2,L3,L4,R135,R136 |
| I | I | I | I | -0017 | RD00059 | SMD fixed resistor 1/10W | 0.0 Ω \pm 5% 0603 | C88,C97,R111,R112,TS212 |
| I | I | I | I | -0018 | RD00075 | SMD fixed resistor 1/10W | 300 Ω \pm 5% 0603 | R44,R45,R46,R47 |
| I | I | I | I | -0019 | RD00135 | SMD fixed resistor 1/4W | 330 Ω \pm 5% 1206 | R134 |
| I | I | I | I | -0020 | RD00201 | SMD precise resistor 1/10W | 1.50K Ω \pm 1% 0603 | R32 |
| I | I | I | I | -0021 | RD00203 | SMD precise resistor 1/10W | 2.00K Ω \pm 1% 0603 | R81,R82,R83,R84 |
| I | I | I | I | -0022 | RD00209 | SMD precise resistor 1/10W | 4.99K Ω \pm 1% 0603 | R38,R39,R90,R96,R98 |
| I | I | I | I | -0023 | RD00204 | SMD precise resistor 1/10W | 2.49K Ω \pm 1% 0603 | R97 |
| I | I | I | I | -0024 | RD00210 | SMD precise resistor 1/10W | 5.11K Ω \pm 1% 0603 | R114,R115 |
| I | I | I | I | -0025 | RD00214 | SMD precise resistor 1/10W | 10.0K Ω \pm 1% 0603 | R1,R2,R3,R4,R5,R8,R9,R93,R97,R40,R41,R42,R43,R102,R103,R104,R105,R106,R10,R11,R75,R76,R16,R17,R19,R130,R57,R59,R60,R61,R62,R63,R64,R65,R66,R67,R86,R87,R88,R89 |
| I | I | I | I | -0026 | RD00215 | SMD precise resistor 1/10W | 13.0K Ω \pm 1% 0603 | R121,R137,R138 |
| I | I | I | I | -0027 | RD00216 | SMD precise resistor 1/10W | 13.3K Ω \pm 1% 0603 | R94 |
| I | I | I | I | -0028 | RD00219 | SMD precise resistor 1/10W | 20.0K Ω \pm 1% 0603 | R107,R108,R6,R7 |
| I | I | I | I | -0029 | RD00272 | SMD precise resistor 1/10W | 10.0 Ω \pm 1% 0603 | R85 |
| I | I | I | I | -0030 | RD00282 | SMD precise resistor 1/10W | 1.00K Ω \pm 1% 0603 | R118,R133 |
| I | I | I | I | -0031 | RD00286 | SMD precise resistor 1/10W | 4.53K Ω \pm 1% 0603 | R72 |
| I | I | I | I | -0032 | RD00289 | SMD precise resistor 1/10W | 8.06K Ω \pm 1% 0603 | R12,R13 |
| I | I | I | I | -0033 | RD00290 | SMD precise resistor 1/10W | 47.5K Ω \pm 1% 0603 | R48,R49,R50,R51 |
| I | I | I | I | -0034 | RD00293 | SMD precise resistor 1/10W | 17.4K Ω \pm 1% 0603 | R109 |
| I | I | I | I | -0035 | RD00328 | SMD precise resistor 1/10W | 8.66K Ω \pm 1% 0603 | R110 |

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|---------|-------|---------|-----------------------------------|---|--|------------------------|
| I I I I | +0036 | RD00330 | SMD precise resistor 1/10W | 39.0K Ω \pm 1% 0603 | R129 | |
| I I I I | +0037 | RD00334 | SMD precise resistor 1/10W | 11.0K Ω \pm 1% 0603 | R120 | |
| I I I I | +0038 | RD00339 | SMD precise resistor 1/10W | 47.0K Ω \pm 1% 0603 | R22,R23,R24,R25,R26,R28 R30,R31,R33,R34,R35 | |
| I I I I | +0039 | RD00344 | SMD precise resistor 1/10W | 11.5K Ω \pm 1% 0603 | R117 | |
| I I I I | +0040 | RD00363 | SMD precise resistor 1/10W | 3.16K Ω \pm 1% 0603 | R52 | |
| I I I I | +0041 | RD00367 | SMD precise resistor 1/10W | 15.4K Ω \pm 1% 0603 | R122 | |
| I I I I | +0042 | RD00368 | SMD precise resistor 1/10W | 16.5K Ω \pm 1% 0603 | R71 | |
| I I I I | +0043 | RD00371 | SMD precise resistor 1/10W | 51.1K Ω \pm 1% 0603 | R53 | |
| I I I I | +0044 | RD00386 | SMD precise resistor 1/10W | 4.75K Ω \pm 1% 0603 | R55 | |
| I I I I | +0045 | RD00415 | SMD precise resistor 1/10W | 4.70K Ω \pm 1% 0603 | R125,R126,R131 | |
| I I I I | +0046 | RD00457 | SMD precise resistor 1/10W | 150K Ω \pm 1% 0603 | R101 | |
| I I I I | +0047 | RD00544 | SMD precise resistance 1/10W | 22 Ω \pm 1% 0603 | R127 | |
| I I I I | +0048 | RD00545 | SMD precise resistance 1/10W | 49.9 Ω \pm 1% 0603 | R99,R100 | |
| I I I I | +0049 | RD00550 | SMD precise resistor 1/10W | 27.0K Ω \pm 1% 0603 | R132 | |
| I I I I | +0050 | RD00695 | SMD precise resistor-RS | 3.24K Ω \pm 1% 0603 | R80 | |
| I I I I | +0051 | RD00709 | SMD precise resistor-RS | 1.37K Ω \pm 1% 0603 | R128 | |
| I I I I | +0052 | RD00721 | SMD fixed resistor-RS 1/10W | 22.1K Ω \pm 1% 0603 | R124 | |
| I I I I | +0053 | RD00750 | SMD precise resistor-RS 1/10W | 11.3K Ω \pm 1% 0603 | R54 | |
| I I I I | +0054 | RD00859 | SMD fixed resistor-RS 1/10W | 9.09K Ω \pm 1% 0603 | R116 | |
| I I I I | +0055 | RD00891 | SMD fixed resistor-RS 1/10W | 8.45K Ω \pm 1% 0603 | R95 | |
| I I I I | +0056 | RD00894 | SMD fixed resistor-RS 1/10W | 46.4K Ω \pm 1% 0603 | R20,R27 | |
| I I I I | +0057 | RD00907 | SMD precise resistor 1/10W | 26.7K Ω \pm 1% 0603 | R79 | |
| I I I I | +0058 | RD00913 | fixed resistor-RS 1/10W | 143K Ω \pm 1% 0603 | R56 | |
| I I I I | +0059 | RD00928 | SMD precise resistor 1/10W | 22.0K Ω \pm 1% 0603 | R123 | |
| I I I I | +0060 | RD00959 | SMD precise resistor 1/10W | 16.90K Ω \pm 1% 0603 | R93 | |
| I I I I | +0061 | RD00967 | SMD resistance 1/8W | 6.98K Ω \pm 1% 0805 | R14,R15 | |
| I I I I | +0062 | RD01038 | SMD fixed resistor-RS 1/10W | 40.2K Ω \pm 1% 0603 | R21,R29 | |
| I I I I | +0063 | RD01115 | SMD precise resistor 1/16W | 3.0K Ω \pm 1% 0603 | R113 | |
| I I I I | +0064 | SE00155 | SMD Schottky barrier diode-RS-ACT | BAT 64-04(SOT-23)(INFINEON) | D1 | |
| I I I I | +0065 | SE00177 | SMD rectifier diode-RS | 0.5A LL4148(SOD-80V)(VISHAY) | D2,D3,D4 | |
| I I I I | +0066 | SF00038 | transistor | RK7002(ROHM) | TR1 | |
| I I I I | +0067 | SF00053 | transistor | MMBT3906(SOT23)(PHI) | TR2 | |
| I I I I | +0068 | SG00033 | SMD integrated circuit | LM358DT(SO8V)(ST) | U18 | |
| I I I I | +0069 | SG00122 | SMD integrated circuit-RS-ACT | NJM4580M-TE3(DMP8)(JRC) | U1,U2,U3,U4,U5,U6,U7,U 8,U10,U11,U12,U15,U16,U 9,U13,U19 | |
| I I I I | +0070 | SG00194 | SMD integrated circuit | NJM13600M-TE1(DMP16)(JRC) | U14 | |
| I I I I | +0071 | SG00306 | SMD integrated circuit | LM393DR(TI)(MEXICO) | U17,U20 | |
| I I I I | +0072 | AE00553 | SenJu solder paste | M705-GRN360-K2-V 0.5KG/bottle | | |
| I I I I | +0073 | SE00243 | SMD zener diode-RS | 1/2W 12V MMSZ5242A(SOD123)/PANJIT | ZD1,ZD2,ZD3,ZD4,ZD5,Z D6,ZD7,ZD8 | |
| I I I I | +0074 | HB04398 | PCB | TS2 SUB PRE(1*2)_VER160525 | | |
| I I I I | +0075 | RD00420 | SMD precise resistor 1/10W | 19.1K Ω \pm 1% 0602 | R77 | |
| I I I I | +0076 | RD00224 | SMD precise resistor 1/10W | 100K Ω \pm 1% 0603 | R78 | |
| I I I I | +0006 | CF00292 | metal-film capacitor-RS | 0.27uF/100V 5% CASE01 | C58 | |
| I I I I | +0007 | CF00183 | metal-film capacitor MSC | 0.1uF/100V 5% CASE01 | C14,C15,C16,C17,C18,C19 C20,C21,C129,C130 | |
| I I I I | +0008 | CF00155 | metal-film capacitor MSC | 0.22uF/63V 5% CASE02 | C39 | |
| I I I I | +0009 | CB00038 | electrolytic capacitor | 47uF/16V ϕ 5*7mm | R58 | |
| I I I I | +0019 | HK18332 | PC board | P-DM 300W+300W_DIP | | |
| I I I I | +0001 | RA00031 | metal-oxide-film resistor 2W | 10 Ω P type | R41,R42 | |
| I I I I | +0002 | RA00051 | metal-oxide-film resistor 2W | 5.6 Ω | R65,R66 | |
| I I I I | +0003 | NI00268 | sleeve | ϕ 6*20mm PGNS1008ZA/1_P_C | R40 | |
| I I I I | +0001 | NI00266 | sleeve | ϕ 6*1000mm | | |
| I I I I | +0004 | MG00162 | screw | M3*8 | | AMP*9 |
| I I I I | +0005 | MG00566 | screw | M3*10*0.5PH_V1.0 | | IC*2+shrapnel*9 |
| I I I I | +0006 | HC00088 | connector(male) | 2P 3.9mm 180'(#3921) | J3 | |
| I I I I | +0007 | HC00174 | connector(male) | 4P 3.96mm 180' | J5 | |
| I I I I | +0008 | HC00258 | connector(male) | 7P 2.0mm 180' | J4 | inser near L16 |
| I I I I | +0009 | HA01933 | jump | 2.5mm | BRI | |
| I I I I | +0010 | HC00324 | connect terminal | 6.5m/m (PC250) | J1,J2 | |
| I I I I | +0011 | CB00151 | electrolytic capacitor | 220uF/63V ϕ 10*16mm | C98,C99 | |
| I I I I | +0012 | CN00069 | inductance-EMI SUPPRESSOR-RS-ACT | TB36-13-850485 | L1,L2,L5,L12 | |
| I I I I | +0013 | CG00023 | X1/Y1 capacitor | 0.0022uF/250VAC Y5U | C6,C7,C8,C10,C11 | |
| I I I I | +0014 | MK00103 | spring piece | 0.5*22.67*6.5*42.5_V1.0 | | Lock MOS TUBE |
| I I I I | +0015 | CB00295 | electrolytic capacitor | 820uF/180V ϕ 25*35 | C13,C14 | |
| I I I I | +0016 | NI04253 | sleeve-RS | ϕ 28*50M T-2 | | MK00103 |
| I I I I | +0017 | SD00317 | integrated circuit | NJM7912FA(TO220F)(JRC) | U2 | |
| I I I I | +0018 | ME00226 | screw-RS | M3*0.5PH | | IC*2+shrapnel*9 |
| I I I I | +0019 | SA00316 | bridge rectifier-RS | 8A GBU-8K/(PANJIT) | D12 | |
| I I I I | +0020 | NC01179 | insulator spacer-RS | 0.13*40mm*55mm(HI-FLOW-625) | | stick on Q1, Q5 |
| I I I I | +0021 | CB00335 | electrolytic capacitor-RS | 1000uF/16V ϕ 8*20mm | C89,C90 | |
| I I I I | +0022 | RA01063 | metal-oxide-film resistor 3W | 0.1 Ω \pm 2% P type | R40 | |
| I I I I | +0023 | RH00033 | thermistor-RS-CT | 5 Ω B57235S-0509M000(EPCOS) | R6 | |
| I I I I | +0024 | SD00380 | integrated circuit-RS | NJM7812FA(TO220F)(JRC) | U1 | |
| I I I I | +0025 | AC00603 | lead free soldering bar | S100 | | |
| I I I I | +0026 | SB00284 | transistor-RS | IRFB4020PBF(TO220AB)(IR) | Q6,Q7,Q8,Q9 | |
| I I I I | +0027 | NC04098 | insulator spacer-RS | 0.13*27.5*40mm(HI-FLOW-625) | | stick on Q6, Q7/Q8, Q9 |
| I I I I | +0028 | ND01210 | cushion-RS | 8*45*10mm(E-4382) | | stick on C13/C14 |
| I I I I | +0029 | CB00436 | electrolytic capacitor-RS | 1000uF/63V LSR ϕ 16*25mm | C28,C31,C32,C64 | |
| I I I I | +0030 | CF00277 | metal-film capacitor-RS | 0.22uF/100V C242A224K2SC000(Fara) | C52,C53 | |
| I I I I | +0031 | CB00438 | electrolytic capacitor-RS | 470uF/25V LSR ϕ 8*20mm | C1,C2 | |
| I I I I | +0032 | CF00284 | metal-film capacitor-RS | 0.1uF/630V C822J104J60C000(Fara) | C26 | |
| I I I I | +0033 | RH00037 | thermistor-RS-ACT | 330 Ω PTFLO4BG222Q2N34B0(MURATA) | PR200 | |
| I I I I | +0034 | CF00279 | metal-film capacitor-RS | 1.0uF/250V C322E105J60C000(Fara) | C50,C51 | |
| I I I I | +0035 | SB00369 | Transistor-RS | FDP18NS0(TO220)/FAIRCHILD | Q1,Q5 | |
| I I I I | +0036 | CN00359 | inductance | 5.0mH ϕ 0.7*30T | L3,L4 | |
| I I I I | +0037 | CG00126 | X2 capacitor-RS | 0.33uF/275V \pm 10%(C42P2334K6SC000(FARA) | C9,C12 | |
| I I I I | +0038 | TC00585 | Transistor | PT-DM 350W+175W(ER35)_230V | T1 | |
| I I I I | +0039 | NI07555 | insulator | TT12 0.5*95*93_V1.0 | | |
| I I I I | +0001 | NI04630 | film-RS-CT | 450*605*0.5mm 0.184kg_V1.0 | | |

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|-------|-------|---------|---------------------------------|---|---|-----------|
| I I I | +0040 | CG00130 | X2 capacitor | 0.47uF/305V 20%(C42Q2474M6HC000)(FARA) | C5 | |
| I I I | +0041 | HA01919 | jump | 5mm | PR1,R110 | |
| I I I | +0001 | HA02249 | wire | φ 0.6 鍍錫 | | |
| I I I | +0042 | MI06323 | heat-shassis | TS212 2t*40*100*206_V1.2 | | |
| I I I | +0001 | ME00221 | iron pillar | M3*8*0.5PH_V1.1 | | |
| I I I | +0002 | MI00055 | Al_plate-RS | 2*2000*1000 10.88kg | | |
| I I I | +0043 | CN00372 | Inductance | 22uH T94-2 | L8,L9 | |
| I I I | +0044 | HK18335 | PC board | P-DM 300W+300W_AI | | |
| I I I | +0001 | CB00112 | electrolytic capacitor | 10uF/35V 105°C φ 4*7mm 2.5mm | C95 | |
| I I I | +0002 | CF00183 | metal-film capacitor MSC | 0.1uF/100V 5% CASE01 | C79,C80 | |
| I I I | +0003 | CB00188 | electrolytic capacitor | 10uF/63V φ 5*11mm 2.5mm | C37 | |
| I I I | +0004 | CB00034 | electrolytic capacitor | 33uF/16V φ 5*11mm 2.5mm | C83,C84 | |
| I I I | +0005 | CC00074 | mylar capacitor-RS-ACT | 0.01uF/100V 3% | C27 | |
| I I I | +0006 | CA00131 | ceramic capacitor-RS | 0.01uF/1000V Z5U | C15,C16,C25 | |
| I I I | +0007 | CB00409 | electrolytic capacitor-RS | 22uF/16V 105°C φ 5*11mm | C45,C46 | |
| I I I | +0008 | CB00469 | electrolytic capacitor-RS | 100uF/16V LSR 105°C φ 5*11mm | C34,C35,C38,C3,C4 | |
| I I I | +0009 | HK18333 | PC board | P-DM 300W+300W_SMD | | |
| I I I | +0001 | SF00083 | transistor | MMBT5551LT1G(SOT23)(ON) | Q4 | |
| I I I | +0002 | RD00298 | SMD precise resistor 1/10W | 47.0Ω ±1% 0603 | R23 | |
| I I I | +0003 | SE00012 | SMD rectifier diode-RS | BAV103(PHI) | D15,D16,D22,D23 | |
| I I I | +0004 | SG00122 | SMD integrated circuit-RS-ACT | N7M4580M-TE3(DMP8)(JRC) | U5 | |
| I I I | +0005 | SE00054 | SMD L.E.D | yellow 19-21UYC/S530-A2/TR8 | DS1,DS2 | |
| I I I | +0006 | RD00327 | SMD precise resistor 1/10W | 8.20K Ω ±1% 0603 | R75,R76 | |
| I I I | +0007 | RD00355 | SMD fixed resistor 1/10W | 4.7Ω ±5% 0603 | R79,R80 | |
| I I I | +0008 | RD00214 | SMD precise resistor 1/10W | 10.0K Ω ±1% 0603 | R10,R24,R25,R59,R60,R100,R30 | |
| I I I | +0009 | RD00059 | SMD fixed resistor 1/10W | 0.0 Ω ±5% 0603 | R109 | |
| I I I | +0010 | RD00209 | SMD precise resistor 1/10W | 4.99K Ω ±1% 0603 | R73,R74 | |
| I I I | +0011 | RD00224 | SMD precise resistor 1/10W | 100K Ω ±1% 0603 | R9,R12,R13,R14,R26,R27 | |
| I I I | +0012 | RD00460 | SMD precise resistor 1/10W | 560 Ω ±1% 0603 | R64 | |
| I I I | +0013 | RD00466 | SMD precise resistor 1/4W | 2.0K Ω ±1% 1206 | R35,R36,R102,R103 | |
| I I I | +0014 | RD00255 | SMD precise resistor 1/4W | 100K Ω ±1% 1206 | R7,R8 | |
| I I I | +0015 | RD00506 | SMD precise resistor 1/10W | 3.30K Ω ±1% 0603 | R77,R78,C72 | |
| I I I | +0016 | RD00512 | SMD precise resistor 1/10W | 180K Ω ±1% 0603 | R92 | |
| I I I | +0017 | RD00219 | SMD precise resistor 1/10W | 20.0K Ω ±1% 0603 | R71,R72 | |
| I I I | +0018 | RD00399 | SMD precise resistor 1/4W | 10.0K Ω ±1% 1206 | R57,R58 | |
| I I I | +0019 | RD00282 | SMD precise resistor 1/10W | 1.00K Ω ±1% 0603 | R21,R39,R63,R91 | |
| I I I | +0020 | RD00272 | SMD precise resistor 1/10W | 10.0 Ω ±1% 0603 | R45,R49,R50,R61,R62,R67,R68,R81,R82,R83,R84 | |
| I I I | +0021 | RD00274 | SMD precise resistor 1/10W | 100 Ω ±1% 0603 | R69,R70 | |
| I I I | +0022 | RD00414 | SMD precise resistor 1/10W | 3.90K Ω ±1% 0603 | R28,R22 | |
| I I I | +0023 | RD00385 | SMD precise resistor 1/10W | 3.01K Ω ±1% 0603 | R47,R48 | |
| I I I | +0024 | RD00415 | SMD precise resistor 1/10W | 4.70K Ω ±1% 0603 | R85,R86 | |
| I I I | +0025 | RD00400 | SMD fixed resistor 1/4W | 220 Ω ±5% 1206 | R1,R17 | |
| I I I | +0026 | RD00525 | SMD precise resistor 1/10W | 33.0K Ω ±1% 0603 | R55,R56 | |
| I I I | +0027 | RD00303 | SMD precise resistor 1/10W | 57.6K Ω ±1% 0603 | R33,R34 | |
| I I I | +0028 | RD00200 | SMD precise resistor 1/10W | 150 Ω ±1% 0603 | R46 | |
| I I I | +0029 | CI00096 | SMD ceramic capacitor 0603 | 560PF/50V NPO ±5% | C20 | |
| I I I | +0030 | CI00145 | SMD ceramic capacitor 0805 | 0.0015uF/50V X7R ±10% | C60,C61,C62,C63,C67,C68 | |
| I I I | +0031 | CI00154 | SMD ceramic capacitor 1206 | 0.1uF/100V X7R ±10% | C33,C69 | |
| I I I | +0032 | CI00185 | SMD ceramic capacitor 0603 | 0.1uF/50V X7R±10%(C1608X7R1H104KT)/TDK | C29,C30,C56,C57,C81,C82,C91,C92,C93,C94,C19 | |
| I I I | +0033 | CI00179 | SMD ceramic capacitor 0603 | 0.22uF/25V X7R±10%(C1608X7R1E224KT)/TDK | C44 | |
| I I I | +0034 | CI00195 | SMD ceramic capacitor 1206 | 4.7uF/25V Y5V (GRM31CB11E475ZA01D) | C65,C66,C70,C71,C85,C86,C87,C88,C36,C24 | |
| I I I | +0035 | CI00206 | SMD ceramic capacitor 0603 | 0.047uF/50V ±10%(C1608X7R1H473KT)/TDK | C18,C49 | |
| I I I | +0036 | CI00201 | SMD ceramic capacitor 0603 | 0.01uF/50V ±10%(C1608X7R1H103KT)/TDK | C58,C59 | |
| I I I | +0037 | CI00051 | SMD ceramic capacitor 0603 | 22PF/50V COG±5%(C1608COG1H220TF)/TDK | C43 | |
| I I I | +0038 | CI00220 | SMD ceramic capacitor 0603 | 220PF/50V COG ±5%(C1608COG1H221JT)/TDK | C39,C42 | |
| I I I | +0039 | SF00082 | transistor-RS-ACT | MMBT5401LT1G(SOT23)(ON) | Q3 | |
| I I I | +0040 | RD00541 | SMD precise resistance 1/10W | 0 Ω ±1% 0603 | | 350W+175W |
| I I I | +0041 | RD00596 | SMD precise resistor-RS 1/4W | 10.0 Ω ±1% 1206 | R37,R38,R96,R99 | |
| I I I | +0042 | CI00269 | SMD ceramic capacitor-RS 1206 | 1.0uF/25V X7R ±10% | C23,C41 | |
| I I I | +0043 | SE00089 | SMD zener diode-RS | 1/2W 5.1V(MMSZ5231B)(SOD-123)(PANJIT) | D5,D19 | |
| I I I | +0044 | RD00636 | SMD precise resistor-RS 1/4W | 47.0K Ω ±1% 1206 | R18,R52 | |
| I I I | +0045 | SE00098 | SMD zener diode-RS-C | 1W 15V DL4744A MELF/(SJ) | D14 | |
| I I I | +0046 | SG00495 | SMD integrated circuit-RS | IR2156SPBF(SO14)(IR) | U3 | |
| I I I | +0047 | CI00279 | SMD ceramic capacitor-RS 1206 | 0.0022uF/200Vx7R±10% | R94 | |
| I I I | +0048 | CI00306 | SMD ceramic capacitor-RS | 1.0uF/25V X7R ±10% | C21,C22 | |
| I I I | +0049 | AE00553 | SnJu solder paste | M705-GRN360-K2-V 0.5KG/bottle | | |
| I I I | +0050 | RD00697 | SMD precise resistor-RS | 390.0Ω ±1% 0603 | R51 | |
| I I I | +0051 | SE00133 | SMD zener diode-RS | 225mW 12V BZX84C12LT1G(SOT23) | D18 | |
| I I I | +0052 | SE00134 | SMD rectifier diode-RS-ACT | 1A 600V MURS160T3G (SMB)(ON) | D13 | |
| I I I | +0053 | SG00667 | SMD integrated circuit-RS | IRS2092S(SOIC16N)(IR) | U7,U8 | |
| I I I | +0054 | CI00328 | SMD ceramic capacitor-RS 1206 | 150PF/630V COG ±5%(C3216COG2J151J)/TDK | C47,C48 | |
| I I I | +0055 | SE00149 | SMD double-direct triy diode-RS | 1A/30V RB160M-30(ROHM) | D3,D4 | |
| I I I | +0056 | RD00818 | SMD fixed resistor 2W | 2.2K Ω ±5% 2512 | R43,R44 | |
| I I I | +0057 | RD00800 | SMD precise resistor 1/8W | 10.0 Ω ±1% 0805 | R112,R113,R114,R115 | |
| I I I | +0058 | SG00729 | SMD integrated circuit-RS-ACT | MC78M12CDTRKG(DPAK-3)(ON) | U4 | |
| I I I | +0059 | SE00156 | SMD diode-RS-ACT | 1A/200V ES1D(SMA)(FAIRCHILD) | D1,D2,D20,D21,D28 | |
| I I I | +0060 | CI00356 | SMD ceramic capacitor 1206 | 0.1uF/250V X7R ±10%(GRM31CR72E104KW03L) | C73,C74,C75,C76,C77,C78,R104,R105,R106,R107 | |
| I I I | +0061 | SE00161 | SMD diode-RS | 2A/200V ER2D 35nS(DO214AA)(PANJIT) | D29,D30,D31,D32,D33,D34,D35,D36 | |
| I I I | +0062 | CO00168 | SMD inductance-RS-ACT | 1000 Ω ±25%(BLM18RK102SN1D) | L6,L7,L10,L11,L14,L15,L16,L17,L13 | |
| I I I | +0063 | CI00366 | SMD ceramic capacitor 0805 | 220PF/250V COG ±5% | C100,C101,C102,C103 | |
| I I I | +0064 | CI00387 | SMD ceramic capacitor-RS | 0.0022uF/250V X7R ±10% | C54,C55 | |
| I I I | +0065 | SE00177 | SMD rectifier diode-RS | 0.5A LL4148(SOD-80)(VISHAY) | D10,D11,D24,D25,D26,D27 | |
| I I I | +0066 | SE00189 | SMD diode-RS-ACT | 8A/200V STTH802B-TR (DPAK)(ST) | BD1,BD2,BD3,BD4 | |
| I I I | +0067 | RD00945 | SMD resistance 1/4W | 1.0 Ω ±1% 1206 | R87,R88 | |
| I I I | +0068 | RD00957 | SMD precise resistor 1/10W | 4.3K Ω ±1% 0603 | R31,R32 | |
| I I I | +0069 | RD00293 | SMD precise resistor 1/10W | 17.4K Ω ±1% 0603 | R29 | |

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|---------|-------|---------|--------------------------------------|--------------------------------------|-------------|-------------------------------------|
| I I I I | +0070 | RD01001 | SMD precise resistance 1/10W | 24KΩ ±1% 0603 | R53,R54 | |
| I I I I | +0071 | HB04061 | PCB | DM 400W+200W_VER150720 | | |
| I I I I | +0072 | SB00379 | Photodiode | LTV-817S-TA1-C(LITEON) | U6 | |
| I I I I | +0073 | RD00123 | SMD fixed resistor 1/10W | 470KΩ ±5% 0603 | R2,R3,R4,R5 | |
| I I | +0045 | MC01371 | top cover | TS212 1.5*19.5*95.6*163_V1.0 | | |
| I I I | +0001 | MI00069 | iron board | 1.5*2135*1220 30.67kg | | |
| I I | +0046 | MG00269 | screw-RS | M3*6 | | fix the top cover |
| I | +0020 | NI00218 | cable tie | ALT-102SB | | |
| I | +0021 | ND01444 | EV foam | 0.5*650*3mm_V1.0 | | pasted on the sealed box |
| I | +0022 | NI02527 | knob-RS | φ 14*13mm_V1.3 | | |
| I | +0023 | MA11188 | panel | TS212S ALTO CHINA_V1.1 | | |
| I I | +0001 | MA11187 | panel | TS 212 SUB 2t*235*268 | | |
| I I I I | +0001 | AE00055 | solvent | solvent | | |
| I I I I | +0002 | AE00201 | . | 5041 | | |
| I I I | +0003 | MA11186 | panel | TS 212 SUB 2t*235*268_V1.1 | | |
| I I I I | +0001 | ME00001 | screw pillar-RS | M4*10*0.7PH_V1.0 | | |
| I I I I | +0002 | ME00319 | iron pillar-RS-CT | 6.35*M3*26.5_V1.0 | | |
| I I I I | +0003 | ME00038 | iron pillar | 6.35*M3*8.4_V1.3 | | |
| I I I I | +0004 | MI01580 | single light board-RS | 2.0*1850*1250mm 36kg | | |
| I | +0024 | NI07837 | fixed bracket | TS 212 SUB 81*187.5*24.5_V1.0 | | |
| I | +0025 | HA06363 | header wiring | 7P-7P 200mm UL1007 26AWG | | |
| I | +0026 | NC04781 | Insulator | φ 7.5_ES503.DB | | stick to AC Jack |
| I | +0022 | NF04684 | user manual | TS2 SUB ALTO_V1.0 | | |
| I | +0001 | NH00231 | paper | 889*554mm | | |
| I | +0023 | ND01485 | sponge | 1t*15*13.7 black_V1.0 | | pasted on the LED support*1 |
| I | +0024 | NI00218 | cable tie | ALT-102SB | | fix the speaker cable*1,LED wire*1 |
| I | +0025 | NB08874 | carton | TS212S ALTO_V1.0 | | |
| I | +0026 | NE27159 | lable | TS212S_V1.0 | | stick to the right corner of grille |
| I | +0027 | NI07857 | 3M VHB | 1t*31.3*26.4 (3M 4952)_V1.0 | | stick to the back*2 |
| I | +0028 | NI07836 | mark | TS 212 SUB 30.35*11.03*90.22_V1.0 | | |
| I | +0029 | MD02087 | iron net | TS212SUB 1.2t*64.8*426.9*411_V1.0 | | |
| I | +0030 | HA06368 | wire | 4P 280mm UL1007 18AWG | | |
| I | +0001 | HA06369 | wire | 4P 280mm UL1007 18AWG | | |
| I | +0002 | CN00283 | high frequency magnetism encircle-RS | φ 16*16 (742700752)/WURTH ELEKTRONIK | | |
| I | +0031 | NE26801 | label | NUMARK SERIES_V1.0 | | pasted to the PE bags |
| I | +0001 | NI02598 | membrane | 125mm | | |
| I | +0002 | NI00068 | Scotch tape | 0.16*1M | | |

| Rank | Part No | Description | Specification | Insert Location | Remark |
|----------|---------|-------------------------|---|-----------------|------------------------------------|
| PC03017 | PC03017 | SPEAKER | TS215S_ALTO_110V-120V_CHINA_(NUMARK) | | |
| I-0001 | NC05054 | box | TS215S_V1.1 | | |
| I-0001 | NI02426 | foot cushion | φ 37*15.5mm PGHA1022ZA/J1_P_A | | |
| I-0002 | MI02042 | handle-RS | 220*163.5*63mm_V1.0 | | |
| I-0003 | ME00082 | nut-RS | M5*0.8PH*10.6_V1.2 | | Lock the woofer |
| I-0004 | ME00083 | nut | M6*1.0PH*11.6_V1.2 | | Lock the pole mount |
| I-0005 | ME00085 | nut | M4*0.7PH*9.3_V1.2 | | Lock the handles on two sides |
| I-0006 | MG00034 | screw | M4*16 | | Lock the handle*12 |
| I-0007 | MG00338 | screw-RS | M4*30mm | | Lock the handle*8 |
| I-0008 | MG00670 | SCREW-RS | M6*40 | | Lock the pole mount*4 |
| I-0009 | ND00242 | EV foam | 43*47.5*1.5mm | | stick to the handles on two sides |
| I-0010 | ND00634 | EV foam-RS | 2.0t*300*15mm_black_V1.0 | | stick to the pole mount |
| I-0011 | ND00635 | EV foam-RS | 2.0t*700*15mm_black_V1.0 | | stick to the handles |
| I-0012 | MG00751 | screw-RS | M4*20MM | | lock the feet*4 |
| I-0013 | MH01704 | handle-RS | ELVIS φ 110*96_V1.3 | | |
| I-0014 | NH00783 | Tube | TS215S φ 120* φ 128*378.1_V1.0 | | used for the cabinet*2 |
| I-0015 | NC05066 | top cover | TS 215S 628*513.3*18mm_V1.0 | | |
| I I-0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I-0016 | NC05067 | chassis | TS 215S 628*513.3*18mm_V1.0 | | |
| I I-0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I-0017 | NC05068 | side cover board | TS 215S 562.7*503*18mm left_V1.0 | | |
| I I-0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I-0018 | NC05069 | side cover board | TS 215S 562.7*503*18mm right_V1.0 | | |
| I I-0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I-0019 | NC05070 | front board | TS 215S 503*486.5*18mm_V1.0 | | |
| I I-0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I-0020 | NC05071 | rear board | TS 215S 503*375.5*18mm_V1.0 | | |
| I I-0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I-0021 | NC05063 | rear board | TS 212S 277.5*310.5*18mm_V1.0 | | |
| I I-0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I-0022 | NC05072 | barrier | TS 215S 509*100*15mm_V1.0 | | |
| I I-0001 | NC03656 | Plywood-RS-CARB | 2440*1220*15t | | |
| I-0023 | NC05073 | billet | TS 215S 476.7*75.3*15mm_V1.0 | | |
| I I-0001 | NC03656 | Plywood-RS-CARB | 2440*1220*15t | | |
| I-0024 | AE00684 | Paint | LTS-6072 25KG/Pail | | |
| I-0025 | AE00686 | Paint | LTS-6071B 10KG/Pail | | |
| I-0026 | AE00687 | Paint | DTS-1202-1 20KG/Pail | | |
| I-0027 | AE00688 | Paint | DTS-1021A-1 20KG/Pail | | |
| I-0028 | AE00689 | Paint | DTS-1021B 10KG/Pail | | |
| I-0029 | AE00692 | Paint | PU-010-4 170KG/Pail | | |
| I-0030 | AE00693 | Paint | MTS-2209 20KG/Pail | | |
| I-0031 | AE00694 | Paint | LTS-6070B-1 10KG/Pail | | |
| I-0032 | ND01551 | Absorb sound sponge-RS | TS215S 1050*450*30t 500g/m ² UL_V1.0 | | |
| I-0002 | HK18345 | speaker | 15inch 600W 8 Ω (TS215S) | | |
| I-0001 | NH00237 | cushion-RS | φ 378*351*8 EVA_V1.2 | | |
| I-0002 | ND00525 | dust-proof shade-RS | φ 116*24_V1.0 | | |
| I-0003 | MH01986 | magnet-RS | φ 180*95*20_Y30_V1.0 | | |
| I-0004 | MH01110 | rivet | M0500A_OU-30 | | |
| I-0005 | MG00263 | screw | M5*8 | | Lock the washer and bracket*6 |
| I-0006 | HC00426 | terminal-RS | M0021B_PT2.1_V1.0 | | |
| I I-0001 | HC00496 | connect terminal | 0.8*13*16.3mm | | |
| I I-0002 | HC00495 | connect terminal | 0.8*13*16.3mm | | |
| I I-0003 | NI02583 | terminal block | 3.5*24.5*3t | | |
| I-0007 | HA04554 | line-RS | TA2J7Y18H2KA33/42WB*2*180mm | | |
| I I-0001 | HA04553 | line-RS | TA2J7Y18H2KA33/42WB*1M | | |
| I-0008 | NH00552 | cone-RS | φ 370* φ 76.5*88 HX:1506_V1.1 | | |
| I-0009 | ND00991 | dampner-RS | φ 175* φ 75*19 180030 1.0/100g_V1.0 | | |
| I-0010 | MH02465 | iron coil-RS | φ 175*78.5*10 P:120 TL:W175-49_V1.0 | | |
| I-0011 | NE27054 | label | HK18345_V1.0 | | |
| I I-0001 | NI00015 | membrane | 0.04*1M | | |
| I I-0002 | NH00012 | bond paper | 0.04*1M | | |
| I-0012 | ND00228 | sponge | S0720B_NYLON NET D45 | | |
| I-0013 | MI02745 | holder-RS | φ 382* φ 81*112 P:90_V1.0 | | |
| I-0014 | MH02463 | T type middle pillar-RS | φ 175*74.25*31*10 TL:TD1757-03_V1.0 | | |
| I-0015 | HG00594 | voice coil | TIL4JL φ 74.88*48*5.2 Ω *0.27 22.2 EI | | |
| I-0003 | NI07834 | net | TS215S 5t*544.7*487_V1.0 | | stick to the back of grille*1 |
| I-0004 | HA06358 | wire | 550mm UL1015 18AWG+Capacitance | | speaker wire*1 |
| I-0001 | CF00245 | metal-film capacitor-RS | 0.0022uF/400V 5% ESK400D22JA | | |
| I I-0002 | HA06357 | wire | 550mm UL1015 18AWG | | |
| I-0005 | ND00665 | EV foam-RS | 950*15*2.0mm black_V1.0 | | stick to the AMP |
| I-0006 | ND00633 | EV foam-RS | 1.0t*1500*15mm black_V1.0 | | pasted on the two sides of grille |
| I-0007 | ND00398 | EV foam | SR500A-SUB 1205.5*15*2_V1.0 | | pasted on the woofer |
| I-0008 | MG01030 | Screw-RS | M3*20 | | lock the grille*8 |
| I-0009 | MG00350 | screw-RS | M5*30 | | lock the woofer*8 |
| I-0010 | MG00351 | screw-RS | M4*16 | | fix the amp and cabinet*8 |
| I-0011 | HA00841 | power cord(America 3P) | LT-202+18A*3C(SVT) 6FT+LT-501 | | |
| I-0012 | HK17710 | PC board | P-TS212 Logo LED-DIP | | to fix the logo |
| I-0001 | HK17709 | PC board | P-TS210 LED-SMD | | |
| I I-0001 | HB04153 | PCB-RS | TS212 LOGO LED (4*8)_VER150908 | | |
| I I-0002 | SE00270 | SMD L.E.D | blue MS-PTB414SUBC | LED1 | |
| I I-0003 | AB00553 | SenJu solder paste | M705-GRN360-K2-V 0.5KG/bottle | | |
| I-0002 | HC00253 | connector(male) | 2P 2.0mm 180° | CN1 | |
| I I-0003 | AC00603 | lead free soldering bar | S100 | | |
| I-0013 | NI07597 | LED lens | TS212 16.69*10.32*8.15_V1.1 | | |
| I-0014 | HA04308 | header wiring | 2P-2P 700mm UL1007 26AWG red/white | | connect the LED of logo |
| I-0015 | NA00904 | PE bag-RS | 0.03t*1100*1300mm 12 hole | | pack the speaker |
| I-0016 | NA00858 | PE bag-RS | 0.04t*240*160mm_V1.0 | | pack the user manual and guarantee |
| I-0017 | NA01718 | sponge barrier | TS215S_V1.0 | | |

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|--------|---------|-----------------------------------|---|---|--|
| 1-0018 | NE27062 | label | TS215S_V1.0 | | Inside and outside*1, carton *1, user manual*1 |
| 1-0019 | NE27070 | label | TS215S_V1.0 | | speaker*1 |
| 1-0001 | NI00015 | membrane | 0.04*1M | | |
| 1-0002 | NH00012 | bond paper | 0.04*1M | | |
| 1-0020 | NF03534 | assurance card-RS | ALTO PROFESSIONAL_V2.0 | | |
| 1-0021 | HK18375 | Faceplate | TS215S_ALTO_110-120V_CHINA_(NUMARK) | | fixed to the back of the cabinet |
| 1-0001 | HA01271 | single terminal wiring | 60 (PC250,PC187) | | SW TO AC Jack |
| 1-0002 | HA01287 | wire-RS | 60mm UL1015 18AWG blue | | SW TO AC Jack |
| 1-0003 | HA03186 | wire | 100mm UL1015 14AWG | | GND |
| 1-0004 | HA04141 | wire | 100mm UL1015 18AWG blue | | AC SW to AC Jack |
| 1-0005 | HA04143 | wire | 100mm UL1015 18AWG brown | | AC SW to AC Jack |
| 1-0006 | HC00331 | AC socket | RF-2004 | | |
| 1-0007 | HD00018 | glass tube fuse | 6.3A 250V ϕ 5.2*20mm CCEE/CSA/S/UL/VDE | | |
| 1-0008 | HI00475 | power switch-RS | 2*2P RF-1003-BBA8E2X1T | | |
| 1-0009 | ME00016 | color nut | 4m/m | | GND |
| 1-0010 | MF00014 | washer | ϕ 3* ϕ 6.5*0.5t | | AMP*6 |
| 1-0011 | MF00038 | washer-RS | ϕ 4* ϕ 7*1t | | GND |
| 1-0012 | MF00048 | washer-RS | ϕ 4* ϕ 8*0.5t | | GND |
| 1-0013 | MG00061 | screw-RS | M3*10(加硬處理) | | MIC*8, sealed box*16 |
| 1-0014 | MG00162 | screw | M3*8 | | AMP*6 |
| 1-0015 | MG00163 | screw | M3*8 | | fix the soldering tag*1, PRE GND*1 |
| 1-0016 | NI01862 | key | 5.5*5.5*14.5_V1.1 | | |
| 1-0017 | NI06123 | key | 9.2*9.2*7.3(3.3*3.3)_V1.0 | | |
| 1-0018 | HK18368 | PC board | P-TS215 SUB-PRE-DIP | | |
| 1-0001 | HC00253 | connector(male) | 2P 2.0mm 180° | CN4 | |
| 1-0002 | HC00392 | balance MIC jack-RS | JY-5030-030G 180° | JK1,JK2 | |
| 1-0003 | HC01212 | balance MIC jack-RS | K6X01V-6-3A | J1,J2 | |
| 1-0004 | HI00162 | push-button switch | 2 paragraphs 6p PS-22E8552L | SW2,SW3 | |
| 1-0005 | HI00163 | push-button switch | 2 stage 12P PS-42E85 | SW1 | |
| 1-0006 | NI02532 | LED spacer support | LEDS-22 22mm | | |
| 1-0007 | RC01034 | Potentiometer-RS | 30A103-Q1-FA265B120-10K L26.5FCx12 | VR1 | |
| 1-0008 | SA00051 | L.E.D | ϕ 3 orange,green 28/30/32mm | DL5 | |
| 1-0009 | SA00052 | L.E.D | ϕ 3 round(green)long foot 26 | DL1,DL2 | |
| 1-0010 | SA00053 | L.E.D | ϕ 3 round(red)long foot 26mm | DL4 | |
| 1-0011 | SA00054 | L.E.D | 3m/m round(yellow)long foot 26 | DL3 | |
| 1-0012 | AC00603 | lead free soldering bar | S100 | | |
| 1-0013 | HK18372 | PC board | P-TS215 SUB-PRE-AI | | |
| 1-0001 | CB00192 | electrolytic capacitor | 10uF/16V ϕ 4*7mm | C1,C2,C3,C6,C7,C35,C36,C37,C38,C42,C70 | |
| 1-0002 | CB00193 | electrolytic capacitor | 47uF/16V ϕ 6*7mm | C51,C52,C53 | |
| 1-0003 | CB00251 | electrolytic capacitor | 220UF/25V ϕ 8*11mm | C103,C104 | |
| 1-0004 | CB00262 | electrolytic capacitor | 47uF/16V NP ϕ 6.3*11mm | C100 | |
| 1-0005 | HK18370 | PC board | P-TS215 SUB-PRE-SMD | | |
| 1-0001 | CI00051 | SMD ceramic capacitor 0603 | 22PF/50V COG \pm 5%(C1608C0G1H220JT)/TDK | C8,C9,C10,C11,C12,C13,C22,C23,C24,C25,C26,C27,C28,C29,C30,C31,C32,C33,C34,C43,C44 | |
| 1-0002 | CI00055 | SMD ceramic capacitor 0603 | 47PF/50V COG \pm 5%(C1608C0G1H470JT)/TDK | C54,C62 | |
| 1-0003 | CI00175 | SMD ceramic capacitor 0603 | 1.0uF/16V X7R \pm 10%(C1608X7R1C105KT)/TDK | C101 | |
| 1-0004 | CI00179 | SMD ceramic capacitor 0603 | 0.22uF/25V X7R \pm 10%(C1608X7R1E224KT)/TDK | C40,C41,C50,C61,C80 | |
| 1-0005 | CI00185 | SMD ceramic capacitor 0603 | 0.1uF/50V X7R \pm 10%(C1608X7R1H104KT)/TDK | C69,C71,C72,C73,C74,C75,C76,C77,C78,C81,C82,C83,C84,C85,C86,C87,C88,C89,C90,C91,C92,C93,C94,C95,C96,C111,C112,C113,C114,C115,C116,C117,C118,C119,C120,C121,C122,C123,C124,C125,C126,C127,C128,C66,C98,C99 | |
| 1-0006 | CI00204 | SMD ceramic capacitor 0603 | 0.027uF/50V \pm 10%(C1608X7R1H273KT)/TDK | C60 | |
| 1-0007 | CI00205 | SMD ceramic capacitor 0603 | 0.039uF/50V \pm 10%(C1608X7R1H393KT)/TDK | C59 | |
| 1-0008 | CI00209 | SMD ceramic capacitor 0603 | 0.082uF/50V \pm 10%(C1608X7R1H823KT)/TDK | C63,C64 | |
| 1-0009 | CI00211 | SMD ceramic capacitor 0603 | 0.15uF/25V X7R \pm 10%(C1608X7R1E154KT)/TDK | C55 | |
| 1-0010 | CI00220 | SMD ceramic capacitor 0603 | 220PF/50V COG \pm 5%(C1608C0G1H221JT)/TDK | C65 | |
| 1-0011 | CI00224 | SMD ceramic capacitor 0603 | 470PF/50V COG \pm 5%(C1608C0G1H471JT)/TDK | C102 | |
| 1-0012 | CI00330 | SMD ceramic capacitor-RS 0805 | 10uF/16V \pm 10%(GRM21BB31C106K)(MURATA) | C4,C5 | |
| 1-0013 | CI00349 | SMD ceramic capacitor 0805 | 4.7uF/25V X5R \pm 10% | C47,C48,C97 | |
| 1-0014 | CI00404 | SMD ceramic capacitor-RS-ACT 0603 | 0.47uF/16V (GRM188B31C474KA87D)(Murata) | C67,C68,C79 | |
| 1-0015 | CI00413 | SMD ceramic capacitor-RS | 0.33uF/50V X7R \pm 10% | C49 | |
| 1-0016 | CO00168 | SMD inductance-RS-ACT | 1000 Ω \pm 25%(BLM18RK102SN1D) | L1,L2,L3,L4,R135,R136 | |
| 1-0017 | RD00059 | SMD fixed resistor 1/10W | 0.0 Ω \pm 5% 0603 | C56,C57,K111,K112,TS216 | |
| 1-0018 | RD00075 | SMD fixed resistor 1/10W | 300 Ω \pm 5% 0603 | R44,R45,R46,R47 | |
| 1-0019 | RD00135 | SMD fixed resistor 1/4W | 330 Ω \pm 5% 1206 | R134 | |
| 1-0020 | RD00203 | SMD precise resistor 1/10W | 2.00K Ω \pm 1% 0603 | R81,R82,R83,R84 | |
| 1-0021 | RD00209 | SMD precise resistor 1/10W | 4.99K Ω \pm 1% 0603 | R38,R39,R96,R98 | |
| 1-0022 | RD00204 | SMD precise resistor 1/10W | 2.49K Ω \pm 1% 0603 | R97 | |
| 1-0023 | RD00210 | SMD precise resistor 1/10W | 5.11K Ω \pm 1% 0603 | R114,R115 | |
| 1-0024 | RD00212 | SMD precise resistor 1/10W | 5.90K Ω \pm 1% 0603 | R55 | |
| 1-0025 | RD00213 | SMD precise resistor 1/10W | 7.50K Ω \pm 1% 0603 | R94 | |
| 1-0026 | RD00214 | SMD precise resistor 1/10W | 10.0K Ω \pm 1% 0603 | R1,R2,R3,R4,R5,R8,R9,R36,R37,R40,R41,R42,R43,R102,R103,R104,R105,R106,R10,R11,R75,R76,R16,R17,R19,R130,R57,R59,R60,R61,R62,R63,R64,R65,R66,R67,R86,R87,R88,R89 | |
| 1-0027 | RD00215 | SMD precise resistor 1/10W | 13.0K Ω \pm 1% 0603 | R137,R138 | |
| 1-0028 | RD00217 | SMD precise resistor 1/10W | 14.0K Ω \pm 1% 0603 | R78 | |
| 1-0029 | RD00219 | SMD precise resistor 1/10W | 20.0K Ω \pm 1% 0603 | R107,R108,R6,R7 | |
| 1-0030 | RD00225 | SMD precise resistor 1/10W | 130K Ω \pm 1% 0603 | R56 | |
| 1-0031 | RD00272 | SMD precise resistor 1/10W | 10.0 Ω \pm 1% 0603 | R85 | |

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|---------|-----------------------------------|---|--|------------------------|
| RD00282 | SMD precise resistor 1/10W | 1.00K Ω \pm 1% 0603 | R118,R133 | |
| RD00289 | SMD precise resistor 1/10W | 8.06K Ω \pm 1% 0603 | R12,R13 | |
| RD00290 | SMD precise resistor 1/10W | 47.5K Ω \pm 1% 0603 | R48,R49,R50,R51 | |
| RD00293 | SMD precise resistor 1/10W | 17.4K Ω \pm 1% 0603 | R95,R109 | |
| RD00328 | SMD precise resistor 1/10W | 8.66K Ω \pm 1% 0603 | R110 | |
| RD00330 | SMD precise resistor 1/10W | 39.0K Ω \pm 1% 0603 | R129 | |
| RD00334 | SMD precise resistor 1/10W | 11.0K Ω \pm 1% 0603 | R72,R120 | |
| RD00339 | SMD precise resistor 1/10W | 47.0K Ω \pm 1% 0603 | R22,R23,R24,R25,R26,R28,R30,R31,R33,R34,R35 | |
| RD00344 | SMD precise resistor 1/10W | 11.5K Ω \pm 1% 0603 | R117 | |
| RD00363 | SMD precise resistor 1/10W | 3.16K Ω \pm 1% 0603 | R52 | |
| RD00367 | SMD precise resistor 1/10W | 15.4K Ω \pm 1% 0603 | R54,R77,R79,R122 | |
| RD00371 | SMD precise resistor 1/10W | 51.1K Ω \pm 1% 0603 | R53 | |
| RD00415 | SMD precise resistor 1/10W | 4.70K Ω \pm 1% 0603 | R125,R126,R131 | |
| RD00457 | SMD precise resistor 1/10W | 150K Ω \pm 1% 0603 | R101 | |
| RD00544 | SMD precise resistance 1/10W | 22 Ω \pm 1% 0603 | R127 | |
| RD00545 | SMD precise resistance 1/10W | 49.9 Ω \pm 1% 0603 | R99,R100 | |
| RD00550 | SMD precise resistor 1/10W | 27.0K Ω \pm 1% 0603 | R132 | |
| RD00709 | SMD precise resistor-RS | 1.37K Ω \pm 1% 0603 | R128 | |
| RD00721 | SMD fixed resistor-RS 1/10W | 22.1K Ω \pm 1% 0603 | R124 | |
| RD00859 | SMD fixed resistor-RS 1/10W | 9.09K Ω \pm 1% 0603 | R116 | |
| RD00893 | SMD fixed resistor-RS 1/10W | 34.0K Ω \pm 1% 0603 | R92 | |
| RD00894 | SMD fixed resistor-RS 1/10W | 46.4K Ω \pm 1% 0603 | R20,R27 | |
| RD00921 | SMD precise resistor 1/10W | 3.74K Ω \pm 1% 0603 | R90 | |
| RD00928 | SMD precise resistor 1/10W | 22.0K Ω \pm 1% 0603 | R123 | |
| RD00959 | SMD precise resistor 1/10W | 16.90K Ω \pm 1% 0603 | R93 | |
| RD00967 | SMD resistance 1/8W | 6.98K Ω \pm 1% 0805 | R14,R15 | |
| RD01038 | SMD fixed resistor-RS 1/10W | 40.2K Ω \pm 1% 0603 | R21,R29 | |
| RD01055 | SMD fixed resistor-RS 1/10W | 14.7K Ω \pm 1% 0603 | R80 | |
| RD01090 | SMD fixed resistor-1/10W | 54.9K Ω \pm 1% 0603 | R121 | |
| RD01115 | SMD precise resistor 1/16W | 3.0K Ω \pm 1% 0603 | R113 | |
| RD01117 | SMD precise resistor 1/16W | 432.0 Ω \pm 1% 0603 | R32 | |
| SE00155 | SMD Schottky barrier diode-RS-ACT | BAT 64-04(SOT-23)(INFINEON) | D1 | |
| SE00177 | SMD rectifier diode-RS | 0.5A LL4148(SOD-80)(VISHAY) | D2,D3,D4 | |
| SF00038 | transistor | RK7002(ROHM) | TR1 | |
| SF00053 | transistor | MMBT3906(SOT23)(PHI) | TR2 | |
| SG00033 | SMD integrated circuit | LM358DT(SO8)(ST) | U18 | |
| SG00122 | SMD integrated circuit-RS-ACT | NJM4580M-TE3(DMP8)(JRC) | U1,U2,U3,U4,U5,U6,U7,U8,U10,U11,U12,U15,U16,U9,U13,U19 | |
| SG00194 | SMD integrated circuit | NJM13600M-TE1(DMP16)(JRC) | U14 | |
| SG00306 | SMD integrated circuit | LM393DR(TD)(MEXICO) | U17,U20 | |
| AB00553 | SenJu solder paste | M705-GRN360-K2-V 0.5KG/bottle | | |
| SE00243 | SMD zener diode-RS | 1/2W 12V MMSZ5242A(SOD123)/PANJIT | ZD1,ZD2,ZD3,ZD4,ZD5,ZD6,ZD7,ZD8 | |
| HB04398 | PCB | TS2 SUB PRE(1*2)_VER160525 | | |
| CF00183 | metal-film capacitor MSC | 0.1uF/100V 5% CASE01 | C14,C15,C16,C17,C18,C19,C20,C21,C129,C130 | |
| CF00156 | metal-film capacitor MSC | 0.47uF/63V 5% CASE02 | C58 | |
| CF00155 | metal-film capacitor MSC | 0.22uF/63V 5% CASE02 | C39 | |
| CB00038 | electrolytic capacitor | 47uF/16V ϕ 5*7mm | R58 | |
| HC00258 | connector(male) | 7P 2.0mm 180° | CN3 | |
| HK1832 | PC board | P-DM 300W+300W_DIP | | |
| RA00031 | metal-oxide-film resistor 2W | 10 Ω P type | R41,R42 | |
| RA00051 | metal-oxide-film resistor 2W | 5.6 Ω | R65,R66 | |
| NI00268 | sleeve | ϕ 6*20mm PGNS1008ZA/J1_P_C | R40 | |
| NI00266 | sleeve | ϕ 6*1000mm | | |
| MG00162 | screw | M3*8 | | AMP*9 |
| MG00566 | screw | M3*10*0.5PH_V1.0 | | IC*2+shrapnel*9 |
| HC00088 | connector(male) | 2P 3.9mm 180°(#3921) | J3 | |
| HC00174 | connector(male) | 4P 3.96mm 180° | J5 | |
| HC00258 | connector(male) | 7P 2.0mm 180° | J4 | insert near L16 |
| HA01933 | jump | 2.5mm | BRI | |
| HC00324 | connect terminal | 6.5m/m (PC250) | J1,J2 | |
| CB00151 | electrolytic capacitor | 220uF/63V ϕ 10*16mm | C98,C99 | |
| CN00069 | inductance-EMI SUPPRESSOR-RS-ACT | TB36-13-850485 | L1,L2,L5,L12 | |
| CG00023 | X1/Y1 capacitor | 0.0022uF/250VAC Y5U | C6,C7,C8,C10,C11 | |
| MK00103 | spring piece | 0.5*22.67*6.5*42.5_V1.0 | | Lock MOS TUBE |
| CB00295 | electrolytic capacitor | 820uF/180V ϕ 25*35 | C13,C14 | |
| NI04253 | sleeve-RS | ϕ 28*50M T-2 | | MK00103 |
| SD00317 | integrated circuit | NJM7912FA(TO220F)(JRC) | U2 | |
| ME00226 | screw-RS | M3*0.5PH | | IC*2+shrapnel*9 |
| SA00316 | bridge rectifier-RS | 8A GBU-8K(PANJIT) | D12 | |
| NC01179 | insulator spacer-RS | 0.13t*40mm*55mm(HI-FLOW-625) | | stick on Q1, Q5 |
| CB00335 | electrolytic capacitor-RS | 1000uF/16V ϕ 8*20mm | C89,C90 | |
| RA01063 | metal-oxide-film resistor 3W | 0.1 Ω \pm 2% P type | R40 | |
| RH00033 | thermistor-RS-CT | 5 Ω B57235S-0509M0000(EPCOS) | R6 | |
| SD00380 | integrated circuit-RS | NJM7812FA(TO220F)(JRC) | U1 | |
| AC00603 | lead free soldering bar | S100 | | |
| SB00284 | transistor-RS | IRFB4020PBF(TO220AB)(IR) | Q6,Q7,Q8,Q9 | |
| NC04098 | insulator spacer-RS | 0.13t*27.5*40mm(HI-FLOW-625) | | stick on Q6, Q7/Q8, Q9 |
| ND01210 | cushion-RS | 8t*45*10mm(E-4382) | | stick on C13/C14 |
| CB00436 | electrolytic capacitor-RS | 1000uF/63V LSR ϕ 16*25mm | C28,C31,C32,C64 | |
| CF00277 | metal-film capacitor-RS | 0.22uF/100V C242A224K2SC000(Fara) | C52,C53 | |
| CB00438 | electrolytic capacitor-RS | 470uF/25V LSR ϕ 8*20mm | C1,C2 | |
| CF00284 | metal-film capacitor-RS | 0.1uF/630V C822J104J60C000(Fara) | C26 | |
| RH00037 | thermistor-RS-ACT | 330 Ω PTFLO4BG222Q2N34B0(MURATA) | PR200 | |
| CF00279 | metal-film capacitor-RS | 1.0uF/250V C322E105J60C000(Fara) | C50,C51 | |
| SB00369 | Transistor-RS | FDP18NS0(TO220)/FAIRCHILD | Q1,Q5 | |

| | | | | | | | |
|---|---|------|---------|---------------------------------|---|---|-----------|
| 1 | 1 | 0036 | CN00359 | inductance | 5.0mH φ 0.7*30T | L3,L4 | |
| 1 | 1 | 0037 | CG00126 | X2 capacitor-RS | 0.33uF/275V \pm 10%(C42P2334K6SC000)(FARA) | C9,C12 | |
| 1 | 1 | 0038 | TC00585 | Transistor | PT-DM 350W+175W(ER35)_230V | T1 | |
| 1 | 1 | 0039 | NI07555 | insulator | TT12 0.5t*95*93_V1.0 | | |
| 1 | 1 | 0001 | NI04630 | film-RS-CT | 450*605*0.5mm 0.184kg_V1.0 | | |
| 1 | 1 | 0040 | CG00130 | X2 capacitor | 0.47uF/305V 20%(C42Q2474M6HC000)(FARA) | C5 | |
| 1 | 1 | 0041 | HA01919 | jump | 5mm | PR1,R110 | |
| 1 | 1 | 0001 | HA02249 | wire | φ 0.6 鍍錫 | | |
| 1 | 1 | 0042 | MI06323 | heat-shassis | TS212 2t*40*100*206_V1.2 | | |
| 1 | 1 | 0001 | ME00221 | iron pillar | M3*8*0.5PH_V1.1 | | |
| 1 | 1 | 0002 | MJ00055 | AL plate-RS | 2*2000*1000 10.88kg | | |
| 1 | 1 | 0043 | CN00372 | Inductance | 22uH T94-2 | L8,L9 | |
| 1 | 1 | 0044 | HK18335 | PC board | P-DM 300W+300W_AI | | |
| 1 | 1 | 0001 | CB00112 | electrolytic capacitor | 10uF/35V 105°C φ 4*7mm 2.5mm | C95 | |
| 1 | 1 | 0002 | CF00183 | metal-film capacitor MSC | 0.1uF/100V 5% CASE01 | C79,C80 | |
| 1 | 1 | 0003 | CB00188 | electrolytic capacitor | 10uF/63V φ 5*11mm 2.5mm | C37 | |
| 1 | 1 | 0004 | CB00034 | electrolytic capacitor | 33uF/16V φ 5*11mm 2.5mm | C83,C84 | |
| 1 | 1 | 0005 | CC00074 | mylar capacitor-RS-ACT | 0.01uF/100V 3% | C27 | |
| 1 | 1 | 0006 | CA00131 | ceramic capacitor-RS | 0.01uF/1000V Z5U | C15,C16,C25 | |
| 1 | 1 | 0007 | CB00409 | electrolytic capacitor-RS | 22uF/16V 105°C φ 5*11mm | C45,C46 | |
| 1 | 1 | 0008 | CB00469 | electrolytic capacitor-RS | 100uF/16V LSR 105°C φ 5*11mm | C34,C35,C38,C3,C4 | |
| 1 | 1 | 0009 | HK18333 | PC board | P-DM 300W+300W_SMD | | |
| 1 | 1 | 0001 | SF00083 | transistor | MMBT5551LT1G(SOT23)(ON) | Q4 | |
| 1 | 1 | 0002 | RD00298 | SMD precise resistor 1/10W | 47.0 Ω \pm 1% 0603 | R23 | |
| 1 | 1 | 0003 | SE00012 | SMD rectifier diode-RS | BAV103(PHI) | D15,D16,D22,D23 | |
| 1 | 1 | 0004 | SG00122 | SMD integrated circuit-RS-ACT | NJM4580M-TE3(DMP8)(JRC) | U5 | |
| 1 | 1 | 0005 | SE00054 | SMD L.E.D | yellow 19-21UYC/S530-A2/TR8 | DS1,DS2 | |
| 1 | 1 | 0006 | RD00327 | SMD precise resistor 1/10W | 8.20K Ω \pm 1% 0603 | R75,R76 | |
| 1 | 1 | 0007 | RD00355 | SMD fixed resistor 1/10W | 4.7 Ω \pm 5% 0603 | R79,R80 | |
| 1 | 1 | 0008 | RD00214 | SMD precise resistor 1/10W | 10.0K Ω \pm 1% 0603 | R10,R24,R25,R59,R60,R100,R30 | |
| 1 | 1 | 0009 | RD00059 | SMD fixed resistor 1/10W | 0.0 Ω \pm 5% 0603 | R109 | |
| 1 | 1 | 0010 | RD00209 | SMD precise resistor 1/10W | 4.99K Ω \pm 1% 0603 | R73,R74 | |
| 1 | 1 | 0011 | RD00224 | SMD precise resistor 1/10W | 100K Ω \pm 1% 0603 | R9,R12,R13,R14,R26,R27 | |
| 1 | 1 | 0012 | RD00460 | SMD precise resistor 1/10W | 560 Ω \pm 1% 0603 | R64 | |
| 1 | 1 | 0013 | RD00466 | SMD precise resistor 1/4W | 2.0K Ω \pm 1% 1206 | R35,R36,R102,R103 | |
| 1 | 1 | 0014 | RD00255 | SMD precise resistor 1/4W | 100K Ω \pm 1% 1206 | R7,R8 | |
| 1 | 1 | 0015 | RD00506 | SMD precise resistor 1/10W | 3.30K Ω \pm 1% 0603 | R77,R78,C72 | |
| 1 | 1 | 0016 | RD00512 | SMD precise resistor 1/10W | 180K Ω \pm 1% 0603 | R92 | |
| 1 | 1 | 0017 | RD00219 | SMD precise resistor 1/10W | 20.0K Ω \pm 1% 0603 | R71,R72 | |
| 1 | 1 | 0018 | RD00399 | SMD precise resistor 1/4W | 10.0K Ω \pm 1% 1206 | R57,R58 | |
| 1 | 1 | 0019 | RD00282 | SMD precise resistor 1/10W | 1.00K Ω \pm 1% 0603 | R21,R39,R63,R91 | |
| 1 | 1 | 0020 | RD00272 | SMD precise resistor 1/10W | 10.0 Ω \pm 1% 0603 | R45,R49,R50,R61,R62,R67,R68,R81,R82,R83,R84 | |
| 1 | 1 | 0021 | RD00274 | SMD precise resistor 1/10W | 100 Ω \pm 1% 0603 | R69,R70 | |
| 1 | 1 | 0022 | RD00414 | SMD precise resistor 1/10W | 3.90K Ω \pm 1% 0603 | R28,R22 | |
| 1 | 1 | 0023 | RD00385 | SMD precise resistor 1/10W | 3.01K Ω \pm 1% 0603 | R47,R48 | |
| 1 | 1 | 0024 | RD00415 | SMD precise resistor 1/10W | 4.70K Ω \pm 1% 0603 | R85,R86 | |
| 1 | 1 | 0025 | RD00400 | SMD fixed resistor 1/4W | 220 Ω \pm 5% 1206 | R1,R17 | |
| 1 | 1 | 0026 | RD00525 | SMD precise resistor 1/10W | 33.0K Ω \pm 1% 0603 | R55,R56 | |
| 1 | 1 | 0027 | RD00303 | SMD precise resistor 1/10W | 57.6K Ω \pm 1% 0603 | R33,R34 | |
| 1 | 1 | 0028 | RD00200 | SMD precise resistor 1/10W | 150 Ω \pm 1% 0603 | R46 | |
| 1 | 1 | 0029 | CI00096 | SMD ceramic capacitor 0603 | 560PF/50V NPO \pm 5% | C20 | |
| 1 | 1 | 0030 | CI00145 | SMD ceramic capacitor 0805 | 0.0015uF/50V X7R \pm 10% | C60,C61,C62,C63,C67,C68 | |
| 1 | 1 | 0031 | CI00154 | SMD ceramic capacitor 1206 | 0.1uF/100V X7R \pm 10% | C33,C69 | |
| 1 | 1 | 0032 | CI00185 | SMD ceramic capacitor 0603 | 0.1uF/50V X7R \pm 10%(C1608X7R1H104KT)/TDK | C29,C30,C56,C57,C81,C82,C91,C92,C93,C94,C19 | |
| 1 | 1 | 0033 | CI00179 | SMD ceramic capacitor 0603 | 0.22uF/25V X7R \pm 10%(C1608X7R1E224KT)/TDK | C44 | |
| 1 | 1 | 0034 | CI00195 | SMD ceramic capacitor 1206 | 4.7uF/25V Y5V (GRM31CB11E475ZA01D) | C65,C66,C70,C71,C85,C86,C87,C88,C36,C24 | |
| 1 | 1 | 0035 | CI00206 | SMD ceramic capacitor 0603 | 0.047uF/50V \pm 10%(C1608X7R1H473KT)/TDK | C18,C49 | |
| 1 | 1 | 0036 | CI00201 | SMD ceramic capacitor 0603 | 0.01uF/50V \pm 10%(C1608X7R1H103KT)/TDK | C58,C59 | |
| 1 | 1 | 0037 | CI00051 | SMD ceramic capacitor 0603 | 22PF/50V COG \pm 5%(C1608C0G1H220JT)/TDK | C43 | |
| 1 | 1 | 0038 | CI00220 | SMD ceramic capacitor 0603 | 220PF/50V COG \pm 5%(C1608C0G1H221JT)/TDK | C39,C42 | |
| 1 | 1 | 0039 | SF00082 | transistor-RS-ACT | MMBT5401LT1G(SOT23)(ON) | Q3 | |
| 1 | 1 | 0040 | RD00541 | SMD precise resistance 1/10W | 0 Ω \pm 1% 0603 | | 350W+175W |
| 1 | 1 | 0041 | RD00596 | SMD precise resistor-RS 1/4W | 10.0 Ω \pm 1% 1206 | R37,R38,R96,R99 | |
| 1 | 1 | 0042 | CI00269 | SMD ceramic capacitor-RS 1206 | 1.0uF/25V X7R \pm 10% | C23,C41 | |
| 1 | 1 | 0043 | SE00089 | SMD zener diode-RS | 1/2W 5.1V(MMSZ5231B)(SOD-123)(PANJIT) | D5,D19 | |
| 1 | 1 | 0044 | RD00636 | SMD precise resistor-RS 1/4W | 47.0K Ω \pm 1% 1206 | R18,R52 | |
| 1 | 1 | 0045 | SE00098 | SMD zener diode-RS-C | 1W 15V DL4744A MELF(SJ) | D14 | |
| 1 | 1 | 0046 | SG00495 | SMD integrated circuit-RS | IR2156SPBF(SO14)(IR) | U3 | |
| 1 | 1 | 0047 | CI00279 | SMD ceramic capacitor-RS 1206 | 0.0022uF/200Vx7R \pm 10% | R94 | |
| 1 | 1 | 0048 | CI00306 | SMD ceramic capacitor-RS | 1.0uF/25V X7R \pm 10% | C21,C22 | |
| 1 | 1 | 0049 | AB00553 | SenJu solder paste | M705-GRN360-K2-V 0.5KG/bottle | | |
| 1 | 1 | 0050 | RD00697 | SMD precise resistor-RS | 390.0 Ω \pm 1% 0603 | R51 | |
| 1 | 1 | 0051 | SE00133 | SMD zener diode-RS | 225mW 12V BZX84C12LT1G(SOT23) | D18 | |
| 1 | 1 | 0052 | SE00134 | SMD rectifier diode-RS-ACT | 1A 600V MURS160T3G (SMB)(ON) | D13 | |
| 1 | 1 | 0053 | SG00667 | SMD integrated circuit-RS | IRS2092S(SOIC16N)(IR) | U7,U8 | |
| 1 | 1 | 0054 | CI00328 | SMD ceramic capacitor-RS 1206 | 150PF/630V COG \pm 5%(C3216C0G2J151J)/TDK | C47,C48 | |
| 1 | 1 | 0055 | SE00149 | SMD double-direct triy diode-RS | 1A/30V RB160M-30(ROHM) | D3,D4 | |
| 1 | 1 | 0056 | RD00818 | SMD fixed resistor 2W | 2.2K Ω \pm 5% 2512 | R43,R44 | |
| 1 | 1 | 0057 | RD00800 | SMD precise resistor 1/8W | 10.0 Ω \pm 1% 0805 | R112,R113,R114,R115 | |
| 1 | 1 | 0058 | SG00729 | SMD integrated circuit-RS-ACT | MC78M12CDTRKG(DPAK-3)(ON) | U4 | |
| 1 | 1 | 0059 | SE00156 | SMD diode-RS-ACT | 1A/200V ES1D(SMA)/(FAIRCHILD) | D1,D2,D20,D21,D28 | |
| 1 | 1 | 0060 | CI00356 | SMD ceramic capacitor 1206 | 0.1uF/250V X7R \pm 10%(GRM31CR72E104KW03L) | C73,C74,C75,C76,C77,C78,R104,R105,R106,R107 | |
| 1 | 1 | 0061 | SE00161 | SMD diode-RS | 2A/200V ER2D 35nS(DO214AA)(PANJIT) | D29,D30,D31,D32,D33,D34,D35,D36 | |

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|------|---------|--------------------------------------|--------------------------------------|-----------------------------------|-------------------------------------|
| 0062 | CO00168 | SMD inductance-RS-ACT | 1000Ω±25%(BLM18RK102SN1D) | L6,L7,L10,L11,L14,L15,L16,L17,L13 | |
| 0063 | CI00366 | SMD ceramic capacitor 0805 | 220PF/250V COG ±5% | C100,C101,C102,C103 | |
| 0064 | CI00387 | SMD ceramic capacitor-RS | 0.0022uF/250V X7R ±10% | C54,C55 | |
| 0065 | SE00177 | SMD rectifier diode-RS | 0.5A LL4148(SOD-80)(VISHAY) | D10,D11,D24,D25,D26,L27 | |
| 0066 | SE00189 | SMD diode-RS-ACT | 8A/200V STTH802B-TR (DPAK)(ST) | BD1,BD2,BD3,BD4 | |
| 0067 | RD00945 | SMD resistance 1/4W | 1.0Ω ±1% 1206 | R87,R88 | |
| 0068 | RD00957 | SMD precise resistor 1/10W | 4.3KΩ ±1% 0603 | R31,R32 | |
| 0069 | RD00293 | SMD precise resistor 1/10W | 17.4KΩ ±1% 0603 | R29 | |
| 0070 | RD01001 | SMD precise resistance 1/10W | 24KΩ ±1% 0603 | R53,R54 | |
| 0071 | HB04061 | PCB | DM 400W+200W_VER150720 | | |
| 0072 | SB00379 | Photodiode | LTV-817S-TA1-C(LITEON) | U6 | |
| 0073 | RD00123 | SMD fixed resistor 1/10W | 470KΩ ±5% 0603 | R2,R3,R4,R5 | |
| 0074 | MC01371 | top cover | TS212 1.5t*19.5*95.6*163_V1.0 | | |
| 0001 | MJ00069 | iron board | 1.5*2135*1220 30.67kg | | |
| 0046 | MG00269 | screw-RS | M3*6 | | fix the top cover |
| 0020 | NI00218 | cable tie | ALT-102SB | | |
| 0021 | HA05997 | header wiring | 2P UL1007 18AWG | | |
| 0022 | ND01444 | EV foam | 0.5t*650*3mm_V1.0 | | pasted on the sealed box |
| 0023 | MA11189 | panel | TS215S ALTO CHINA_V1.1 | | |
| 0001 | MA11187 | panel | TS 212 SUB 2t*235*268 | | |
| 0001 | AE00055 | solvent | solvent | | |
| 0002 | AE00201 | | 5041 | | |
| 0003 | MA11186 | panel | TS 212 SUB 2t*235*268_V1.1 | | |
| 0001 | ME00001 | screw pillar-RS | M4*10*0.7PH_V1.0 | | |
| 0001 | ME00319 | iron pillar-RS-CT | 6.35*M3*26.5_V1.0 | | |
| 0001 | ME00038 | iron pillar | 6.35*M3*8.4_V1.3 | | |
| 0001 | MJ01580 | single light board-RS | 2.0t*1850*1250mm 36kg | | |
| 0024 | NI07837 | fixed bracket | TS 212 SUB 81*187.5*24.5_V1.0 | | |
| 0025 | NI02527 | knob-RS | φ 14*13mm_V1.3 | | |
| 0026 | HA06363 | header wiring | 7P-7P 200mm UL1007 26AWG | | |
| 0027 | NC04781 | Insulator | φ 7.5_ES503_DB | | stick to AC Jack |
| 0022 | NI02590 | cable tie | YJ-203V0 UL94V-0 | | fix the speaker wire*1 |
| 0023 | NF04684 | user manual | TS2 SUB ALTO_V1.0 | | |
| 0001 | NH00231 | paper | 889*554mm | | |
| 0024 | NE27157 | label | TS215SXUS_V1.0 | | pasted on the two sides of carton*2 |
| 0001 | NI00018 | membrane | 0.06*1M | | |
| 0002 | NH00035 | bond paper | 0.06*1M | | |
| 0025 | NI00218 | cable tie | ALT-102SB | | LED wire*1 |
| 0026 | ND01485 | sponge | 1t*15*13.7 black_V1.0 | | pasted on the LED support*1 |
| 0027 | NB08875 | carton | TS215S ALTO_V1.0 | | |
| 0028 | NE27160 | label | TS215S_V1.0 | | stick to the right corner of grille |
| 0029 | NI07857 | 3M VHB | 1t*31.3*26.4 (3M 4952)_V1.0 | | stick to the back*2 |
| 0030 | ND07836 | mark | TS 212 SUB 30.35*11.03*90.22_V1.0 | | |
| 0031 | MD02088 | iron net | TS215SUB 1.2t*76.7*545.3*491_V1.0 | | |
| 0032 | HA06368 | wire | 4P 280mm UL1007 18AWG | | |
| 0001 | HA06369 | wire | 4P 280mm UL1007 18AWG | | |
| 0002 | CN00283 | high frequency magnetism encircle-RS | φ 16*16 (742700752)/WURTH ELEKTRONIK | | |
| 0033 | NE26801 | label | NUMARK SERIES_V1.0 | | pasted to the PE bags |
| 0001 | NI02598 | membrane | 125mm | | |
| 0002 | NI00068 | Scotch tape | 0.16*1M | | |
| 0034 | NE21518 | label | APX2000/3000_V1.1 | | stick to the powercon |

| Rank | Part No | Description | Specification | Insert Location | Remark |
|-----------|----------|-------------------------|---|-----------------|-----------------------------------|
| PC03018 | PC03018 | SPEAKER | TS215S_ALTO_230V_CHINA_(NUMARK) | | |
| I -0001 | NC05054 | box | TS215S_V1.1 | | |
| I -0001 | NI02426 | foot cushion | φ 37*15.5mm PGHA1022ZA/J1_P-A | | |
| I -0002 | MI02042 | handle-RS | 220*163.5*63mm_V1.0 | | |
| I -0003 | ME00082 | nut-RS | M5*0.8PH*10.6_V1.2 | | Lock the woofer |
| I -0004 | ME00083 | nut | M6*1.0PH*11.6_V1.2 | | Lock the pole mount |
| I -0005 | ME00085 | nut | M4*0.7PH*9.3_V1.2 | | Lock the handles on two sides |
| I -0006 | MG00034 | screw | M4*16 | | Lock the handle*12 |
| I -0007 | MG00338 | screw-RS | M4*30mm | | Lock the handle*8 |
| I -0008 | MG00670 | SCREW-RS | M6*40 | | Lock the pole mount*4 |
| I -0009 | ND00242 | EV foam | 43*47.5*1.5mm | | stick to the handles on two sides |
| I -0010 | ND00634 | EV foam-RS | 2.0t*300*15mm black_V1.0 | | stick to the pole mount |
| I -0011 | ND00635 | EV foam-RS | 2.0t*700*15mm black_V1.0 | | stick to the handles |
| I -0012 | MG00751 | screw-RS | M4*20MM | | lock the feet*4 |
| I -0013 | MIH01704 | handle-RS | ELVIS φ 110*96_V1.3 | | |
| I -0014 | NH00783 | Tube | TS215S φ 120* φ 128*378.1_V1.0 | | used for the cabinet*2 |
| I -0015 | NC05066 | top cover | TS 215S 628*513.3*18mm_V1.0 | | |
| I I -0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I -0016 | NC05067 | chassis | TS 215S 628*513.3*18mm_V1.0 | | |
| I I -0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I -0017 | NC05068 | side cover board | TS 215S 562.7*503*18mm left_V1.0 | | |
| I I -0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I -0018 | NC05069 | side cover board | TS 215S 562.7*503*18mm right_V1.0 | | |
| I I -0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I -0019 | NC05070 | front board | TS 215S 503*486.5*18mm_V1.0 | | |
| I I -0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I -0020 | NC05071 | rear board | TS 215S 503*375.5*18mm_V1.0 | | |
| I I -0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I -0021 | NC05063 | rear board | TS 212S 277.5*310.5*18mm_V1.0 | | |
| I I -0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I -0022 | NC05072 | barrier | TS 215S 509*100*15mm_V1.0 | | |
| I I -0001 | NC03656 | Plywood-RS-CARB | 2440*1220*15t | | |
| I -0023 | NC05073 | billet | TS 215S 476.7*75.3*15mm_V1.0 | | |
| I I -0001 | NC03656 | Plywood-RS-CARB | 2440*1220*15t | | |
| I -0024 | AE00684 | Paint | LTS-6072 25KG/Pail | | |
| I -0025 | AE00686 | Paint | LTS-6071B 10KG/Pail | | |
| I -0026 | AE00687 | Paint | DTS-1202-1 20KG/Pail | | |
| I -0027 | AE00688 | Paint | DTS-1021A-1 20KG/Pail | | |
| I -0028 | AE00689 | Paint | DTS-1021B 10KG/Pail | | |
| I -0029 | AE00692 | Paint | PU-010-4 170KG/Pail | | |
| I -0030 | AE00693 | Paint | MTS-2209 20KG/Pail | | |
| I -0031 | AE00694 | Paint | LTS-6070B-1 10KG/Pail | | |
| I -0032 | ND01551 | Absorb sound sponge-RS | TS215S 1050*450*30t 500g/m ³ UL_V1.0 | | |
| I -0002 | HK18345 | speaker | 15inch 600W 8Ω (TS215S) | | |
| I -0001 | NH00237 | cushion-RS | φ 378*351*8 EVA_V1.2 | | |
| I -0002 | ND00525 | dust-proof shade-RS | φ 116*24_V1.0 | | |
| I -0003 | MIH01986 | magnet-RS | φ 180*95*20 Y30_V1.0 | | |
| I -0004 | MIH01110 | rivet | M0500A_OU-30 | | |
| I -0005 | MG00263 | screw | M5*8 | | Lock the washer and bracket*6 |
| I -0006 | HC00426 | terminal-RS | M0021B_PT2.1_V1.0 | | |
| I I -0001 | HC00496 | connect terminal | 0.8*13*16.3mm | | |
| I I -0002 | HC00495 | connect terminal | 0.8*13*16.3mm | | |
| I I -0003 | NI02583 | terminal block | 3.5*24.5*3t | | |
| I -0007 | HA04554 | line-RS | TA2J7Y18H2KA33/42WB*2*180mm | | |
| I I -0001 | HA04553 | line-RS | TA2J7Y18H2KA33/42WB*1M | | |
| I -0008 | NH00552 | cone-RS | φ 370* φ 76.5*88 HX:1506_V1.1 | | |
| I -0009 | ND00991 | damper-RS | φ 175* φ 75*19 180030 1.0/100g_V1.0 | | |
| I -0010 | MIH02465 | iron coil-RS | φ 175*78.5*10 P:120 TL:W175-49_V1.0 | | |
| I -0011 | NE27054 | label | HK18345_V1.0 | | |
| I I -0001 | NI00015 | membrane | 0.04*1M | | |
| I I -0002 | NH00012 | bond paper | 0.04*1M | | |
| I -0012 | ND00228 | sponge | S0720B_NYLON NET D45 | | |
| I -0013 | MI02745 | holder-RS | φ 382* φ 81*112 P:90_V1.0 | | |
| I -0014 | MIH02463 | T type middle pillar-RS | φ 175*74.25*31*10 TL:TD1757-03_V1.0 | | |
| I -0015 | HG00594 | voice coil | TTL/4L φ 74.88*48*5.2Ω*0.27 22.2 EI | | |
| I -0003 | NI07834 | net | TS215S 5t*544.7*487_V1.0 | | stick to the back of grille*1 |
| I -0004 | HA06358 | wire | 550mm UL1015 18AWG+Capacitance | | speaker wire*1 |
| I -0001 | CF00245 | metal-film capacitor-RS | 0.0022uF/400V 5% ESK400D22JA | | |
| I -0002 | HA06357 | wire | 550mm UL1015 18AWG | | |
| I -0005 | ND00665 | EV foam-RS | 950*15*2.0mm black_V1.0 | | stick to the AMP |
| I -0006 | ND00633 | EV foam-RS | 1.0t*1500*15mm black_V1.0 | | pasted on the two sides of grille |
| I -0007 | ND00398 | EV foam | SR500A-SUB 1205.5*15*2_V1.0 | | pasted on the woofer |
| I -0008 | MG01030 | Screw-RS | M3*20 | | lock the grille*8 |
| I -0009 | MG00350 | screw-RS | M5*30 | | lock the woofer*8 |
| I -0010 | MG00351 | screw-RS | M4*16 | | fix the amp and cabinet*8 |
| I -0011 | HK17710 | PC board | P-TS212 Logo LED-DIP | | to fix the logo |
| I -0001 | HK17709 | PC board | P-TS210 LED--SMD | | |
| I I -0001 | HB04153 | PCB-RS | TS212 LOGO LED (4*8)_VER150908 | | |
| I I -0002 | SE00270 | SMD L.E.D | blue MS-PTB414SUBC | LED1 | |
| I I -0003 | AE00553 | SenJu solder paste | M705-GRN360-K2-V 0.5KG/bottle | | |
| I -0002 | HC00253 | connector(male) | 2P 2.0mm 180° | CN1 | |
| I -0003 | AC00603 | lead free soldering bar | S100 | | |
| I -0012 | NI07597 | LED lens | TS212 16.69*10.32*8.15_V1.1 | | |
| I -0013 | HA04308 | header wiring | 2P-2P 700mm UL1007 26AWG red/white | | connect the LED of logo |
| I -0014 | NA00904 | PE bag-RS | 0.03t*1100*1300mm 12 hole | | speaker*1, guarantee*1, carton*2 |

| | | | | | | |
|---|------|---------|-----------------------------------|---|---|---|
| + | 0015 | NA00858 | PE bag-RS | 0.04*240*160mm_V1.0 | | pack the user manual and guarantee |
| + | 0016 | NA01718 | sponge barrier | TS215S_V1.0 | | |
| + | 0017 | NE27062 | label | TS215S_V1.0 | | Inside and outside*1 , carton *1, user manual*1 |
| + | 0018 | NE27070 | label | TS215S_V1.0 | | speaker*1 |
| + | 0001 | NH00015 | membrane | 0.04*1M | | |
| + | 0002 | NH00012 | bond paper | 0.04*1M | | |
| + | 0019 | NF03534 | assurance card-RS | ALTO PROFESSIONAL_V2.0 | | |
| + | 0020 | HK18378 | Faceplate | TS215S_ALTO_220-240V_CHINA_(NUMARK) | | fixed to the back of the cabinet |
| + | 0001 | HA01271 | single terminal wiring | 60 (PC250,PC187) | | SW TO AC Jack |
| + | 0002 | HA01287 | wire-RS | 60mm UL1015 18AWG blue | | SW TO AC Jack |
| + | 0003 | HA03186 | wire | 100mm UL1015 14AWG | | GND |
| + | 0004 | HA04141 | wire | 100mm UL1015 18AWG blue | | AC SW to AC Jack |
| + | 0005 | HA04143 | wire | 100mm UL1015 18AWG brown | | AC SW to AC Jack |
| + | 0006 | HC00331 | AC socket | RF-2004 | | |
| + | 0007 | HD00013 | glass tube fuse | 3.15A 250V ϕ 5*20mm CSA/S/UL/VDE | | |
| + | 0008 | HI00475 | power switch-RS | 2*2P RF-1003-BBA8E2X1T | | |
| + | 0009 | ME00016 | color nut | 4m/m | | GND |
| + | 0010 | MF00014 | washer | ϕ 3* ϕ 6.5*0.5t | | AMP*6 |
| + | 0011 | MF00038 | washer-RS | ϕ 4* ϕ 7*1t | | GND |
| + | 0012 | MF00048 | washer-RS | ϕ 4* ϕ 8*0.5t | | GND |
| + | 0013 | MG00061 | screw-RS | M3*10(加硬處理) | | MIC*8, sealed box*16 |
| + | 0014 | MG00162 | screw | M3*8 | | AMP*6 |
| + | 0015 | MG00163 | screw | M3*8 | | fix the soldering tag*1, PRE GND*1 |
| + | 0016 | NI01862 | key | 5.5*5.5*14.5_V1.1 | | |
| + | 0017 | NI06123 | key | 9.2*9.2*7.3(3.3*3.3)_V1.0 | | |
| + | 0018 | HK18368 | PC board | P-TS215 SUB-PRE-DIP | | |
| + | 0001 | HC00253 | connector(male) | 2P 2.0mm 180° | CN4 | |
| + | 0002 | HC00392 | balance MIC jack-RS | JY-5030-030G 180° | JK1,JK2 | |
| + | 0003 | HC01212 | balance MIC jack-RS | K6X01V-6-3A | J1,J2 | |
| + | 0004 | HI00162 | push-button switch | 2 paragraphs 6p PS-22E8552L | SW2,SW3 | |
| + | 0005 | HI00163 | push-button switch | 2 stage 12P PS-42E85 | SW1 | |
| + | 0006 | NI02532 | LED spacer support | LEDs-22 22mm | | |
| + | 0007 | RC01034 | Potentiometer-RS | 30A103-Q1-FA265B120-10K L26.5FCx12 | VR1 | |
| + | 0008 | SA00051 | L.E.D | ϕ 3 orange,green 28/30/32mm | DL5 | |
| + | 0009 | SA00052 | L.E.D | ϕ 3 round(green)long foot 26 | DL1,DL2 | |
| + | 0010 | SA00053 | L.E.D | ϕ 3 round(red)long foot 26mm | DL4 | |
| + | 0011 | SA00054 | L.E.D | 3m/m round(yellow)long foot 26 | DL3 | |
| + | 0012 | AC00603 | lead free soldering bar | S100 | | |
| + | 0013 | HK18372 | PC board | P-TS215 SUB-PRE-AI | | |
| + | 0001 | CB00192 | electrolytic capacitor | 10uF/16V ϕ 4*7mm | C1,C2,C3,C6,C7,C35,C36,C37,C38,C42,C70 | |
| + | 0002 | CB00193 | electrolytic capacitor | 47uF/16V ϕ 6*7mm | C51,C52,C53 | |
| + | 0003 | CB00251 | electrolytic capacitor | 220UF/25V ϕ 8*11mm | C103,C104 | |
| + | 0004 | CB00262 | electrolytic capacitor | 47uF/16V NP ϕ 6.3*11mm | C100 | |
| + | 0005 | HK18370 | PC board | P-TS215 SUB-PRE-SMD | | |
| + | 0001 | CI00051 | SMD ceramic capacitor 0603 | 22PF/50V C0G±5%(C1608C0G1H220JT)/TDK | C8,C9,C10,C11,C12,C13,C22,C23,C24,C25,C26,C27,C28,C29,C30,C31,C32,C33,C34,C43,C44 | |
| + | 0002 | CI00055 | SMD ceramic capacitor 0603 | 47PF/50V C0G±5%(C1608C0G1H470JT)/TDK | C54,C62 | |
| + | 0003 | CI00175 | SMD ceramic capacitor 0603 | 1.0uF/16V X7R±10%(C1608X7R1E105KT)/TDK | C101 | |
| + | 0004 | CI00179 | SMD ceramic capacitor 0603 | 0.22uF/25V X7R±10%(C1608X7R1E224KT)/TDK | C40,C41,C50,C61,C80 | |
| + | 0005 | CI00185 | SMD ceramic capacitor 0603 | 0.1uF/50V X7R±10%(C1608X7R1H104KT)/TDK | C69,C71,C72,C73,C74,C75,C76,C77,C78,C81,C82,C83,C84,C85,C86,C87,C88,C89,C90,C91,C92,C93,C94,C95,C96,C111,C112,C113,C114,C115,C116,C117,C118,C119,C120,C121,C122,C123,C124,C125,C126,C127,C128,C66,C98,C99 | |
| + | 0006 | CI00204 | SMD ceramic capacitor 0603 | 0.027uF/50V ±10%(C1608X7R1H273KT)/TDK | C60 | |
| + | 0007 | CI00205 | SMD ceramic capacitor 0603 | 0.039uF/50V ±10%(C1608X7R1H393KT)/TDK | C59 | |
| + | 0008 | CI00209 | SMD ceramic capacitor 0603 | 0.082uF/50V ±10%(C1608X7R1H823KT)/TDK | C63,C64 | |
| + | 0009 | CI00211 | SMD ceramic capacitor 0603 | 0.15uF/25V X7R±10%(C1608X7R1E154KT)/TDK | C55 | |
| + | 0010 | CI00220 | SMD ceramic capacitor 0603 | 220PF/50V C0G ±5%(C1608C0G1H221JT)/TDK | C65 | |
| + | 0011 | CI00224 | SMD ceramic capacitor 0603 | 470PF/50V C0G ±5%(C1608C0G1H471JT)/TDK | C102 | |
| + | 0012 | CI00330 | SMD ceramic capacitor-RS 0805 | 10uF/16V±10%(GRM21BB31C106KJ)(MURATA) | C4,C5 | |
| + | 0013 | CI00349 | SMD ceramic capacitor 0805 | 4.7uF/25V X5R ±10% | C47,C48,C97 | |
| + | 0014 | CI00404 | SMD ceramic capacitor-RS-ACT 0603 | 0.47uF/16V (GRM188B31C474KA87D)(Murata) | C67,C68,C79 | |
| + | 0015 | CI00413 | SMD ceramic capacitor-RS | 0.33uF/50V X7R ±10% | C49 | |
| + | 0016 | CO00168 | SMD inductance-RS-ACT | 1000Ω±25%(BLM18RK102SN1D) | L1,L2,L3,L4,R135,R136 | |
| + | 0017 | RD00059 | SMD fixed resistor 1/10W | 0.0Ω ±5% 0603 | C56,C57,R111,R112,TS215 | |
| + | 0018 | RD00075 | SMD fixed resistor 1/10W | 300Ω ±5% 0603 | R44,R45,R46,R47 | |
| + | 0019 | RD00135 | SMD fixed resistor 1/4W | 330Ω ±5% 1206 | R134 | |
| + | 0020 | RD00203 | SMD precise resistor 1/10W | 2.00KΩ ±1% 0603 | R81,R82,R83,R84 | |
| + | 0021 | RD00209 | SMD precise resistor 1/10W | 4.99KΩ ±1% 0603 | R38,R39,R96,R98 | |
| + | 0022 | RD00204 | SMD precise resistor 1/10W | 2.49KΩ ±1% 0603 | R97 | |
| + | 0023 | RD00210 | SMD precise resistor 1/10W | 5.11KΩ ±1% 0603 | R114,R115 | |
| + | 0024 | RD00212 | SMD precise resistor 1/10W | 5.90KΩ ±1% 0603 | R55 | |
| + | 0025 | RD00213 | SMD precise resistor 1/10W | 7.50KΩ ±1% 0603 | R94 | |
| + | 0026 | RD00214 | SMD precise resistor 1/10W | 10.0KΩ ±1% 0603 | R1,R2,R3,R4,R5,R8,R9,R36,R37,R40,R41,R42,R43,R102,R103,R104,R105,R106,R10,R11,R75,R76,R16,R17,R19,R130,R57,R59,R60,R61,R62,R63,R64,R65,R66,R67,R86,R87,R88,R89 | |
| + | 0027 | RD00215 | SMD precise resistor 1/10W | 13.0KΩ ±1% 0603 | R137,R138 | |

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|---|---|---|---|---------|-----------------------------------|------------------------------------|--|------------------------|
| I | I | I | I | RD00217 | SMD precise resistor 1/10W | 14.0K Ω \pm 1% 0603 | R78 | |
| I | I | I | I | RD00219 | SMD precise resistor 1/10W | 20.0K Ω \pm 1% 0603 | R107,R108,R6,R7 | |
| I | I | I | I | RD00225 | SMD precise resistor 1/10W | 130K Ω \pm 1% 0603 | R56 | |
| I | I | I | I | RD00272 | SMD precise resistor 1/10W | 10.0 Ω \pm 1% 0603 | R85 | |
| I | I | I | I | RD00282 | SMD precise resistor 1/10W | 1.00K Ω \pm 1% 0603 | R118,R133 | |
| I | I | I | I | RD00289 | SMD precise resistor 1/10W | 8.06K Ω \pm 1% 0603 | R12,R13 | |
| I | I | I | I | RD00290 | SMD precise resistor 1/10W | 47.5K Ω \pm 1% 0603 | R48,R49,R50,R51 | |
| I | I | I | I | RD00293 | SMD precise resistor 1/10W | 17.4K Ω \pm 1% 0603 | R95,R109 | |
| I | I | I | I | RD00328 | SMD precise resistor 1/10W | 8.66K Ω \pm 1% 0603 | R110 | |
| I | I | I | I | RD00330 | SMD precise resistor 1/10W | 39.0K Ω \pm 1% 0603 | R129 | |
| I | I | I | I | RD00334 | SMD precise resistor 1/10W | 11.0K Ω \pm 1% 0603 | R72,R120 | |
| I | I | I | I | RD00339 | SMD precise resistor 1/10W | 47.0K Ω \pm 1% 0603 | R22,R23,R24,R25,R26,R28 R30,R31,R33,R34,R35 | |
| I | I | I | I | RD00344 | SMD precise resistor 1/10W | 11.5K Ω \pm 1% 0603 | R117 | |
| I | I | I | I | RD00363 | SMD precise resistor 1/10W | 3.16K Ω \pm 1% 0603 | R52 | |
| I | I | I | I | RD00367 | SMD precise resistor 1/10W | 15.4K Ω \pm 1% 0603 | R54,R77,R79,R122 | |
| I | I | I | I | RD00371 | SMD precise resistor 1/10W | 51.1K Ω \pm 1% 0603 | R53 | |
| I | I | I | I | RD00415 | SMD precise resistor 1/10W | 4.70K Ω \pm 1% 0603 | R125,R126,R131 | |
| I | I | I | I | RD00457 | SMD precise resistor 1/10W | 150K Ω \pm 1% 0603 | R101 | |
| I | I | I | I | RD00544 | SMD precise resistance 1/10W | 22 Ω \pm 1% 0603 | R127 | |
| I | I | I | I | RD00545 | SMD precise resistance 1/10W | 49.9 Ω \pm 1% 0603 | R99,R100 | |
| I | I | I | I | RD00550 | SMD precise resistor 1/10W | 27.0K Ω \pm 1% 0603 | R132 | |
| I | I | I | I | RD00709 | SMD precise resistor-RS | 1.37K Ω \pm 1% 0603 | R128 | |
| I | I | I | I | RD00721 | SMD fixed resistor-RS 1/10W | 22.1K Ω \pm 1% 0603 | R124 | |
| I | I | I | I | RD00859 | SMD fixed resistor-RS 1/10W | 9.09K Ω \pm 1% 0603 | R116 | |
| I | I | I | I | RD00893 | SMD fixed resistor-RS 1/10W | 34.0K Ω \pm 1% 0603 | R92 | |
| I | I | I | I | RD00894 | SMD fixed resistor-RS 1/10W | 46.4K Ω \pm 1% 0603 | R20,R27 | |
| I | I | I | I | RD00921 | SMD precise resistor 1/10W | 3.74K Ω \pm 1% 0603 | R90 | |
| I | I | I | I | RD00928 | SMD precise resistor 1/10W | 22.0K Ω \pm 1% 0603 | R123 | |
| I | I | I | I | RD00959 | SMD precise resistor 1/10W | 16.90K Ω \pm 1% 0603 | R93 | |
| I | I | I | I | RD00967 | SMD resistance 1/8W | 6.98K Ω \pm 1% 0805 | R14,R15 | |
| I | I | I | I | RD01038 | SMD fixed resistor-RS 1/10W | 40.2K Ω \pm 1% 0603 | R21,R29 | |
| I | I | I | I | RD01055 | SMD fixed resistor-RS 1/10W | 14.7K Ω \pm 1% 0603 | R80 | |
| I | I | I | I | RD01090 | SMD fixed resistor-1/10W | 54.9K Ω \pm 1% 0603 | R121 | |
| I | I | I | I | RD01115 | SMD precise resistor 1/16W | 3.0K Ω \pm 1% 0603 | R113 | |
| I | I | I | I | RD01117 | SMD precise resistor 1/16W | 432.0 Ω \pm 1% 0603 | R32 | |
| I | I | I | I | SE00155 | SMD Schottky barrier diode-RS-ACT | BAT 64-04(SOT-23)(INFINEON) | D1 | |
| I | I | I | I | SE00177 | SMD rectifier diode-RS | 0.5A LL4148(SOD-80)(VISHAY) | D2,D3,D4 | |
| I | I | I | I | SF00038 | transistor | RK7002(ROHM) | TR1 | |
| I | I | I | I | SF00053 | transistor | MMBT3906(SOT23)(PHI) | TR2 | |
| I | I | I | I | SG00033 | SMD integrated circuit | LM358DT(SO8)(ST) | U18 | |
| I | I | I | I | SG00122 | SMD integrated circuit-RS-ACT | NJM4580M-TE3(DMP8)(JRC) | U1,U2,U3,U4,U5,U6,U7,U 8,U10,U11,U12,U15,U16, U9,U13,U19 | |
| I | I | I | I | SG00194 | SMD integrated circuit | NJM13600M-TE1(DMP16)(JRC) | U14 | |
| I | I | I | I | SG00306 | SMD integrated circuit | LM393DR(TI)(MEXICO) | U17,U20 | |
| I | I | I | I | AE00553 | SenJu solder paste | M705-GRN360-K2-V 0.5KG/bottle | | |
| I | I | I | I | SE00243 | SMD zener diode-RS | 1/2W 12V MMSZ5242A(SOD123)/PANJIT | ZD1,ZD2,ZD3,ZD4,ZD5,Z D6,ZD7,ZD8 | |
| I | I | I | I | HB04398 | PCB | TS2 SUB PRE(1*2)_VER160525 | | |
| I | I | I | I | CF00183 | metal-film capacitor MSC | 0.1uF/100V 5% CASE01 | C14,C15,C16,C17,C18,C19 C20,C21,C22,C23 | |
| I | I | I | I | CF00156 | metal-film capacitor MSC | 0.47uF/63V 5% CASE02 | C58 | |
| I | I | I | I | CF00155 | metal-film capacitor MSC | 0.22uF/63V 5% CASE02 | C39 | |
| I | I | I | I | CB00038 | electrolytic capacitor | 47uF/16V ϕ 5*7mm | R58 | |
| I | I | I | I | HC00258 | connector(male) | 7P 2.0mm 180° | CN3 | |
| I | I | I | I | HK18332 | PC board | P-DM 300W+300W_DIP | | |
| I | I | I | I | RA00031 | metal-oxide-film resistor 2W | 10 Ω P type | R41,R42 | |
| I | I | I | I | RA00051 | metal-oxide-film resistor 2W | 5.6 Ω | R65,R66 | |
| I | I | I | I | NI00268 | sleeve | ϕ 6*20mm PGNS1008ZA/J1_P_C | R40 | |
| I | I | I | I | NI00266 | sleeve | ϕ 6*1000mm | | |
| I | I | I | I | MG00162 | screw | M3*8 | | AMP*9 |
| I | I | I | I | MG00566 | screw | M3*10*0.5PH_V1.0 | | IC*2+shrapnel*9 |
| I | I | I | I | HC00088 | connector(male) | 2P 3.9mm 180°(#3921) | J3 | |
| I | I | I | I | HC00174 | connector(male) | 4P 3.96mm 180° | J5 | |
| I | I | I | I | HC00258 | connector(male) | 7P 2.0mm 180° | J4 | insert near L16 |
| I | I | I | I | HA01933 | jump | 2.5mm | BR1 | |
| I | I | I | I | HC00324 | connect terminal | 6.5mm/m (PC250) | J1,J2 | |
| I | I | I | I | CB00151 | electrolytic capacitor | 220uF/63V ϕ 10*16mm | C98,C99 | |
| I | I | I | I | CN00069 | inductance-EMI SUPPRESSOR-RS-ACT | TB36-13-850485 | L1,L2,L5,L12 | |
| I | I | I | I | CG00023 | X1/Y1 capacitor | 0.0022uF/250VAC Y5U | C6,C7,C8,C10,C11 | |
| I | I | I | I | MK00103 | spring piece | 0.5t*22.67*6.5*42.5_V1.0 | | Lock MOS TUBE |
| I | I | I | I | CB00295 | electrolytic capacitor | 820uF/180V ϕ 25*35 | C13,C14 | |
| I | I | I | I | NI04253 | sleeve-RS | ϕ 28*50M T-2 | | MK00103 |
| I | I | I | I | SD00317 | integrated circuit | NJM7912FA(TO220F)(JRC) | U2 | |
| I | I | I | I | ME00226 | screw-RS | M3*0.5PH | | IC*2+shrapnel*9 |
| I | I | I | I | SA00316 | bridge rectifier-RS | 8A GBU-8K/(PANJIT) | D12 | |
| I | I | I | I | NC01179 | insulator spacer-RS | 0.13t*40mm*55mm(HI-FLOW-625) | | stick on Q1, Q5 |
| I | I | I | I | CB00335 | electrolytic capacitor-RS | 1000uF/16V ϕ 8*20mm | C89,C90 | |
| I | I | I | I | RA01063 | metal-oxide-film resistor 3W | 0.1 Ω \pm 2% P type | R40 | |
| I | I | I | I | RH00033 | thermistor-RS-CT | 5 Ω B57235S-0509M000(EPCOS) | R6 | |
| I | I | I | I | SD00380 | integrated circuit-RS | NJM7812FA(TO220F)(JRC) | U1 | |
| I | I | I | I | AC00603 | lead free soldering bar | S100 | | |
| I | I | I | I | SB00284 | transistor-RS | IRFB4020PBF(TO220AB)(IR) | Q6,Q7,Q8,Q9 | |
| I | I | I | I | NC04098 | insulator spacer-RS | 0.13t*27.5*40mm(HI-FLOW-625) | | stick on Q6, Q7/Q8, Q9 |
| I | I | I | I | ND01210 | cushion-RS | 8t*45*10mm(E-4382) | | stick on C13/C14 |
| I | I | I | I | CB00436 | electrolytic capacitor-RS | 1000uF/63V LSR ϕ 16*25mm | C28,C31,C32,C64 | |

| | | | | | | | | |
|---|---|---|------|---------|---------------------------------|---|---|-----------|
| I | I | + | 0030 | CF00277 | metal-film capacitor-RS | 0.22uF/100V C242A224K2SC000(FARA) | C52,C53 | |
| I | I | + | 0031 | CB00438 | electrolytic capacitor-RS | 470uF/25V LSR φ 8*20mm | C1,C2 | |
| I | I | + | 0032 | CF00284 | metal-film capacitor-RS | 0.1uF/630V C822J104J60C000(FARA) | C26 | |
| I | I | + | 0033 | RH00037 | thermistor-RS-ACT | 330 Ω PTFL04BG222Q2N34B0(MURATA) | PR200 | |
| I | I | + | 0034 | CF00279 | metal-film capacitor-RS | 1.0uF/250V C322E105J60C000(FARA) | C50,C51 | |
| I | I | + | 0035 | SB00369 | Transistor-RS | FDP18N50(TO220)/FAIRCHILD | Q1,Q5 | |
| I | I | + | 0036 | CN00359 | inductance | 5.0mH φ 0.7*30T | L3,L4 | |
| I | I | + | 0037 | CG00126 | X2 capacitor-RS | 0.33uF/275V \pm 10%(C42P234K6SC000)(FARA) | C9,C12 | |
| I | I | + | 0038 | TC00585 | Transistor | PT-DM 350W+175W(ER35)_230V | T1 | |
| I | I | + | 0039 | NI07555 | insulator | TT12 0.5t*95*93_V1.0 | | |
| I | I | + | 0001 | NI04630 | film-RS-CT | 450*605*0.5mm 0.184kg_V1.0 | | |
| I | I | + | 0040 | CG00130 | X2 capacitor | 0.47uF/305V 20%(C42Q2474M6HC000)(FARA) | C5 | |
| I | I | + | 0041 | HA01919 | jump | 5mm | PR1,R110 | |
| I | I | + | 0001 | HA02249 | wire | φ 0.6 鍍錫 | | |
| I | I | + | 0042 | MI06323 | heat-shassis | TS212 2t*40*100*206_V1.2 | | |
| I | I | + | 0001 | ME00221 | iron pillar | M3*8*0.5PH_V1.1 | | |
| I | I | + | 0002 | MJ00055 | AL plate-RS | 2*2000*1000 10.88kg | | |
| I | I | + | 0043 | CN00372 | Inductance | 22uH T94-2 | L8,L9 | |
| I | I | + | 0044 | HK18335 | PC board | P-DM 300W+300W_AI | | |
| I | I | + | 0001 | CB00112 | electrolytic capacitor | 10uF/35V 105 $^{\circ}$ C φ 4*7mm 2.5mm | C95 | |
| I | I | + | 0002 | CF00183 | metal-film capacitor MSC | 0.1uF/100V 5% CASE01 | C79,C80 | |
| I | I | + | 0003 | CB00188 | electrolytic capacitor | 10uF/63V φ 5*11mm 2.5mm | C37 | |
| I | I | + | 0004 | CB00034 | electrolytic capacitor | 33uF/16V φ 5*11mm 2.5mm | C83,C84 | |
| I | I | + | 0005 | CC00074 | mylar capacitor-RS-ACT | 0.01uF/100V 3% | C27 | |
| I | I | + | 0006 | CA00131 | ceramic capacitor-RS | 0.01uF/1000V ZSU | C15,C16,C25 | |
| I | I | + | 0007 | CB00409 | electrolytic capacitor-RS | 22uF/16V 105 $^{\circ}$ C φ 5*11mm | C45,C46 | |
| I | I | + | 0008 | CB00469 | electrolytic capacitor-RS | 100uF/16V LSR 105 $^{\circ}$ C φ 5*11mm | C34,C35,C38,C3,C4 | |
| I | I | + | 0009 | HK18333 | PC board | P-DM 300W+300W_SMD | | |
| I | I | + | 0001 | SF00083 | transistor | MMBT5551LT1G(SOT23)(ON) | Q4 | |
| I | I | + | 0002 | RD00298 | SMD precise resistor 1/10W | 47.0 Ω \pm 1% 0603 | R23 | |
| I | I | + | 0003 | SE00012 | SMD rectifier diode-RS | BAV103(PHI) | D15,D16,D22,D23 | |
| I | I | + | 0004 | SG00122 | SMD integrated circuit-RS-ACT | NJM4580M-TE3(DMP8)(JRC) | U5 | |
| I | I | + | 0005 | SE00054 | SMD L.E.D | yellow 19-21UYC/S530-A2/TR8 | DS1,DS2 | |
| I | I | + | 0006 | RD00327 | SMD precise resistor 1/10W | 8.20K Ω \pm 1% 0603 | R75,R76 | |
| I | I | + | 0007 | RD00355 | SMD fixed resistor 1/10W | 4.7 Ω \pm 5% 0603 | R79,R80 | |
| I | I | + | 0008 | RD00214 | SMD precise resistor 1/10W | 10.0K Ω \pm 1% 0603 | R10,R24,R25,R59,R60,R10 0,R30 | |
| I | I | + | 0009 | RD00059 | SMD fixed resistor 1/10W | 0.0 Ω \pm 5% 0603 | R109 | |
| I | I | + | 0010 | RD00209 | SMD precise resistor 1/10W | 4.99K Ω \pm 1% 0603 | R73,R74 | |
| I | I | + | 0011 | RD00224 | SMD precise resistor 1/10W | 100K Ω \pm 1% 0603 | R9,R12,R13,R14,R26,R27 | |
| I | I | + | 0012 | RD00460 | SMD precise resistor 1/10W | 560 Ω \pm 1% 0603 | R64 | |
| I | I | + | 0013 | RD00466 | SMD precise resistor 1/4W | 2.0K Ω \pm 1% 1206 | R35,R36,R102,R103 | |
| I | I | + | 0014 | RD00255 | SMD precise resistor 1/4W | 100K Ω \pm 1% 1206 | R7,R8 | |
| I | I | + | 0015 | RD00506 | SMD precise resistor 1/10W | 3.30K Ω \pm 1% 0603 | R77,R78,C72 | |
| I | I | + | 0016 | RD00512 | SMD precise resistor 1/10W | 180K Ω \pm 1% 0603 | R92 | |
| I | I | + | 0017 | RD00219 | SMD precise resistor 1/10W | 20.0K Ω \pm 1% 0603 | R71,R72 | |
| I | I | + | 0018 | RD00399 | SMD precise resistor 1/4W | 10.0K Ω \pm 1% 1206 | R57,R58 | |
| I | I | + | 0019 | RD00282 | SMD precise resistor 1/10W | 1.00K Ω \pm 1% 0603 | R21,R39,R63,R91 | |
| I | I | + | 0020 | RD00272 | SMD precise resistor 1/10W | 10.0 Ω \pm 1% 0603 | R45,R49,R50,R61,R62,R67 ,R68,R81,R82,R83,R84 | |
| I | I | + | 0021 | RD00274 | SMD precise resistor 1/10W | 100 Ω \pm 1% 0603 | R69,R70 | |
| I | I | + | 0022 | RD00414 | SMD precise resistor 1/10W | 3.90K Ω \pm 1% 0603 | R28,R22 | |
| I | I | + | 0023 | RD00385 | SMD precise resistor 1/10W | 3.01K Ω \pm 1% 0603 | R47,R48 | |
| I | I | + | 0024 | RD00415 | SMD precise resistor 1/10W | 4.70K Ω \pm 1% 0603 | R85,R86 | |
| I | I | + | 0025 | RD00400 | SMD fixed resistor 1/4W | 220 Ω \pm 5% 1206 | R1,R17 | |
| I | I | + | 0026 | RD00525 | SMD precise resistor 1/10W | 33.0K Ω \pm 1% 0603 | R55,R56 | |
| I | I | + | 0027 | RD00303 | SMD precise resistor 1/10W | 57.6K Ω \pm 1% 0603 | R33,R34 | |
| I | I | + | 0028 | RD00200 | SMD precise resistor 1/10W | 150 Ω \pm 1% 0603 | R46 | |
| I | I | + | 0029 | CI00096 | SMD ceramic capacitor 0603 | 560PF/50V NPO \pm 5% | C20 | |
| I | I | + | 0030 | CI00145 | SMD ceramic capacitor 0805 | 0.0015uF/50V X7R \pm 10% | C60,C61,C62,C63,C67,C68 | |
| I | I | + | 0031 | CI00154 | SMD ceramic capacitor 1206 | 0.1uF/100V X7R \pm 10% | C33,C69 | |
| I | I | + | 0032 | CI00185 | SMD ceramic capacitor 0603 | 0.1uF/50V X7R \pm 10%(C1608X7R1H104KT)/TDK | C29,C30,C56,C57,C81,C82 ,C91,C92,C93,C94,C19 | |
| I | I | + | 0033 | CI00179 | SMD ceramic capacitor 0603 | 0.22uF/25V X7R \pm 10%(C1608X7R1E224KT)/TDK | C44 | |
| I | I | + | 0034 | CI00195 | SMD ceramic capacitor 1206 | 4.7uF/25V Y5V (GRM31CB11E475ZA01D) | C63,C66,C70,C71,C83,C80 ,C82,C88,C93,C94 | |
| I | I | + | 0035 | CI00206 | SMD ceramic capacitor 0603 | 0.047uF/50V \pm 10%(C1608X7R1H473KT)/TDK | C18,C49 | |
| I | I | + | 0036 | CI00201 | SMD ceramic capacitor 0603 | 0.01uF/50V \pm 10%(C1608X7R1H103KT)/TDK | C58,C59 | |
| I | I | + | 0037 | CI00051 | SMD ceramic capacitor 0603 | 22PF/50V C0G \pm 5%(C1608C0G1H220JT)/TDK | C43 | |
| I | I | + | 0038 | CI00220 | SMD ceramic capacitor 0603 | 220PF/50V C0G \pm 5%(C1608C0G1H221JT)/TDK | C39,C42 | |
| I | I | + | 0039 | SF00082 | transistor-RS-ACT | MMBT5401LT1G(SOT23)(ON) | Q3 | |
| I | I | + | 0040 | RD00541 | SMD precise resistance 1/10W | 0 Ω \pm 1% 0603 | | 350W+175W |
| I | I | + | 0041 | RD00596 | SMD precise resistor-RS 1/4W | 10.0 Ω \pm 1% 1206 | R37,R38,R96,R99 | |
| I | I | + | 0042 | CI00269 | SMD ceramic capacitor-RS 1206 | 1.0uF/25V X7R \pm 10% | C23,C41 | |
| I | I | + | 0043 | SE00089 | SMD zener diode-RS | 1/2W 5.1V(MMSZ5231B)(SOD-123)/(PANJIT) | D5,D19 | |
| I | I | + | 0044 | RD00636 | SMD precise resistor-RS 1/4W | 47.0K Ω \pm 1% 1206 | R18,R52 | |
| I | I | + | 0045 | SE00098 | SMD zener diode-RS-C | 1W 15V DL4744A MELF(SJ) | D14 | |
| I | I | + | 0046 | SG00495 | SMD integrated circuit-RS | IR2156SPBF(SO14)(IR) | U3 | |
| I | I | + | 0047 | CI00279 | SMD ceramic capacitor-RS 1206 | 0.0022uF/200Vx7R \pm 10% | R94 | |
| I | I | + | 0048 | CI00306 | SMD ceramic capacitor-RS | 1.0uF/25V X7R \pm 10% | C21,C22 | |
| I | I | + | 0049 | AE00553 | SenJu solder paste | M705-GRN360-K2-V 0.5KG/bottle | | |
| I | I | + | 0050 | RD00697 | SMD precise resistor-RS | 390.0 Ω \pm 1% 0603 | R51 | |
| I | I | + | 0051 | SE00133 | SMD zener diode-RS | 225mW 12V BZX84C12LT1G(SOT23) | D18 | |
| I | I | + | 0052 | SE00134 | SMD rectifier diode-RS-ACT | 1A 600V MURS160T3G (SMB)(ON) | D13 | |
| I | I | + | 0053 | SG00667 | SMD integrated circuit-RS | IRS2092S(SOIC16N)(IR) | U7,U8 | |
| I | I | + | 0054 | CI00328 | SMD ceramic capacitor-RS 1206 | 150PF/630V C0G \pm 5%(C3216C0G2J151J)/TDK | C47,C48 | |
| I | I | + | 0055 | SE00149 | SMD double-direct triy diode-RS | 1A/30V RB160M-30(ROHM) | D3,D4 | |

| | | | | | | |
|---------|-------|---------|--------------------------------------|--|--|-------------------------------------|
| I I I I | +0056 | RD00818 | SMD fixed resistor 2W | 2.2K Ω \pm 5% 2512 | R43,R44 | |
| I I I I | +0057 | RD00800 | SMD precise resistor 1/8W | 10.0 Ω \pm 1% 0805 | R112,R113,R114,R115 | |
| I I I I | +0058 | SG00729 | SMD integrated circuit-RS-ACT | MC78M12CDTRKG(DPAK-3)(ON) | U4 | |
| I I I I | +0059 | SE00156 | SMD diode-RS-ACT | 1A/200V ES1D(SMA)(FAIRCHILD) | D1,D2,D20,D21,D28 | |
| I I I I | +0060 | CI00356 | SMD ceramic capacitor 1206 | 0.1uF/250V X7R \pm 10%(GRM31CR72E104KW03L) | C73,C74,C75,C76,C77,C78 R104,R105,R106,R107 | |
| I I I I | +0061 | SE00161 | SMD diode-RS | 2A/200V ER2D 35nS(DO214AA)(PANJIT) | D29,D30,D31,D32,D33,D34,D35,D36 | |
| I I I I | +0062 | CO00168 | SMD inductance-RS-ACT | 1000 Ω \pm 25%(BLM18RK102SN1D) | L6,L7,L10,L11,L14,L15,L16,L17,L13 | |
| I I I I | +0063 | CI00366 | SMD ceramic capacitor 0805 | 220PF/250V COG \pm 5% | C100,C101,C102,C103 | |
| I I I I | +0064 | CI00387 | SMD ceramic capacitor-RS | 0.0022uF/250V X7R \pm 10% | C54,C55 | |
| I I I I | +0065 | SE00177 | SMD rectifier diode-RS | 0.5A LL4148(SOD-80)(VISHAY) | D10,D11,D24,D25,D26,D27 | |
| I I I I | +0066 | SE00189 | SMD diode-RS-ACT | 8A/200V STTH802B-TR (DPAK)(ST) | BD1,BD2,BD3,BD4 | |
| I I I I | +0067 | RD00945 | SMD resistance 1/4W | 1.0 Ω \pm 1% 1206 | R87,R88 | |
| I I I I | +0068 | RD00957 | SMD precise resistor 1/10W | 4.3K Ω \pm 1% 0603 | R31,R32 | |
| I I I I | +0069 | RD00293 | SMD precise resistor 1/10W | 17.4K Ω \pm 1% 0603 | R29 | |
| I I I I | +0070 | RD01001 | SMD precise resistance 1/10W | 24K Ω \pm 1% 0603 | R53,R54 | |
| I I I I | +0071 | HB04061 | PCB | DM 400W+200W_VER150720 | | |
| I I I I | +0072 | SB00379 | Photodiode | LTV-817S-TA1-C(LITEON)/ | U6 | |
| I I I I | +0073 | RD00123 | SMD fixed resistor 1/10W | 470K Ω \pm 5% 0603 | R2,R3,R4,R5 | |
| I I | +0045 | MC01371 | top cover | TS212 1.5t*19.5*95.6*163_V1.0 | | |
| I I | +0001 | MJ00069 | iron board | 1.5*2135*1220 30.67kg | | |
| I I | +0046 | MG00269 | screw-RS | M3*6 | | fix the top cover |
| I | +0020 | NI00218 | cable tie | ALT-102SB | | |
| I | +0021 | ND01444 | EV foam | 0.5t*650*3mm_V1.0 | | pasted on the sealed box |
| I | +0022 | MA11189 | panel | TS215S ALTO CHINA_V1.1 | | |
| I I | +0001 | MA11187 | panel | TS 212 SUB 2t*235*268 | | |
| I I I | +0001 | AE00055 | solvent | solvent | | |
| I I I | +0002 | AE00201 | . | 5041 | | |
| I I I | +0003 | MA11186 | panel | TS 212 SUB 2t*235*268_V1.1 | | |
| I I I I | +0001 | ME00001 | screw pillar-RS | M4*10*0.7PH_V1.0 | | |
| I I I I | +0002 | ME00319 | iron pillar-RS-CT | 6.35*M3*26.5_V1.0 | | |
| I I I I | +0003 | ME00038 | iron pillar | 6.35*M3*8.4_V1.3 | | |
| I I I I | +0004 | MJ01580 | single light board-RS | 2.0t*1850*1250mm 36kg | | |
| I | +0023 | NI07837 | fixed bracket | TS 212 SUB 8t*187.5*24.5_V1.0 | | |
| I | +0024 | NI02527 | knob-RS | \varnothing 14*13mm_V1.3 | | |
| I | +0025 | HA06363 | header wiring | 7P-7P 200mm UL1007 26AWG | | |
| I | +0026 | NC04781 | Insulator | \varnothing 7.5_ES503_DB | | stick to AC Jack |
| I | +0021 | HA00861 | power cord Europe 3P | LT-312+LT-501 | | |
| I | +0022 | NI02590 | cable tie | YJ-203V0 UL94V-0 | | fix the speaker wire*1 |
| I | +0023 | NF04684 | user manual | TS2 SUB ALTO_V1.0 | | |
| I | +0001 | NH00231 | paper | 889*554mm | | |
| I | +0024 | NI00218 | cable tie | ALT-102SB | | LED wire*1 |
| I | +0025 | ND01485 | sponge | 1t*15*13.7 black_V1.0 | | pasted on the LED support*1 |
| I | +0026 | NB08875 | carton | TS215S ALTO_V1.0 | | |
| I | +0027 | NE27160 | lable | TS215S_V1.0 | | stick to the right corner of grille |
| I | +0028 | NI07857 | 3M VHB | 1t*31.3*26.4 (3M 4952)_V1.0 | | stick to the back*2 |
| I | +0029 | NI07836 | mark | TS 212 SUB 30.35*11.03*90.22_V1.0 | | |
| I | +0030 | MD02088 | iron net | TS215SUB 1.2t*76.7*545.3*491_V1.0 | | |
| I | +0031 | HA06368 | wire | 4P 280mm UL1007 18AWG | | |
| I | +0001 | HA06369 | wire | 4P 280mm UL1007 18AWG | | |
| I | +0002 | CN00283 | high frequency magnetism encircle-RS | \varnothing 16*16 (742700752)/WURTH ELEKTRONIK | | |
| I | +0032 | NE26801 | label | NUMARK SERIES_V1.0 | | pasted to the PE bags |
| I | +0001 | NI02598 | membrane | 125mm | | |
| I | +0002 | NI00068 | Scotch tape | 0.16*1M | | |

| Rank | Part No | Description | Specification | Insert Location | Remark |
|----------|----------|-------------------------|---------------------------------------|-----------------|------------------------------------|
| PC03022 | PC03022 | SPEAKER | TS218S_ALTO_110V-120V_CHINA_(NUMARK) | | |
| ├-0001 | NC05055 | box | TS218S_V1.2 | | |
| ├-0001 | NI02426 | foot cushion | φ 37*15.5mm PGHA1022ZA/J1_P_A | | |
| ├-0002 | MI02042 | handle-RS | 220*163.5*63mm_V1.0 | | |
| ├-0003 | ME00082 | nut-RS | M5*0.8PH*10.6_V1.2 | | Lock the woofer |
| ├-0004 | ME00083 | nut | M6*1.0PH*11.6_V1.2 | | Lock the pole mount |
| ├-0005 | ME00085 | nut | M4*0.7PH*9.3_V1.2 | | Lock the handles on two sides |
| ├-0006 | MG00034 | screw | M4*16 | | Lock the handle*12 |
| ├-0007 | MG00338 | screw-RS | M4*30mm | | Lock the handle*8 |
| ├-0008 | MG00670 | SCREW-RS | M6*40 | | Lock the pole mount*4 |
| ├-0009 | ND00242 | EV foam | 43*47.5*1.5mm | | stick to the handles on two sides |
| ├-0010 | ND00634 | EV foam-RS | 2.0t*300*15mm black_V1.0 | | stick to the pole mount |
| ├-0011 | ND00635 | EV foam-RS | 2.0t*700*15mm black_V1.0 | | stick to the handles |
| ├-0012 | MG00751 | screw-RS | M4*20MM | | lock the feet*4 |
| ├-0013 | MIH01704 | handle-RS | ELVIS φ 110*96_V1.3 | | |
| ├-0014 | NH00784 | Tube | TS218S φ 148* φ 156*400_V1.0 | | used for the cabinet*2 |
| ├-0015 | NC05074 | top cover | TS 218S 628*523.3*18mm_V1.0 | | |
| ├├-0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| ├├-0016 | NC05075 | chassis | TS 218S 628*523.3*18mm_V1.0 | | |
| ├├├-0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| ├├├-0017 | NC05076 | side cover board | TS 218S 641*561*18mm left_V1.0 | | |
| ├├├-0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| ├├├-0018 | NC05077 | side cover board | TS 218S 641*561*18mm right_V1.0 | | |
| ├├├-0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| ├├├-0019 | NC05078 | front board | TS 218S 641*495*18mm_V1.0 | | |
| ├├├-0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| ├├├-0020 | NC05079 | rear board | TS 218S 641*386*18mm_V1.0 | | |
| ├├├-0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| ├├├-0021 | NC05063 | rear board | TS 212S 277.5*310.5*18mm_V1.0 | | |
| ├├├-0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| ├├├-0022 | NC05080 | barrier | TS 218S 500*110*15mm_V1.0 | | |
| ├├├-0001 | NC03656 | Plywood-RS-CARB | 2440*1220*15t | | |
| ├├├-0023 | NC05081 | billet | TS 218S478.6*85*15mm_V1.0 | | |
| ├├├-0001 | NC03656 | Plywood-RS-CARB | 2440*1220*15t | | |
| ├├-0024 | AE00684 | Paint | LTS-6072 25KG/Pail | | |
| ├├-0025 | AE00686 | Paint | LTS-6071B 10KG/Pail | | |
| ├├-0026 | AE00687 | Paint | DTS-1202-1 20KG/Pail | | |
| ├├-0027 | AE00688 | Paint | DTS-1021A-1 20KG/Pail | | |
| ├├-0028 | AE00689 | Paint | DTS-1021B 10KG/Pail | | |
| ├├-0029 | AE00692 | Paint | PU-010-4 170KG/Pail | | |
| ├├-0030 | AE00693 | Paint | MTS-2209 20KG/Pail | | |
| ├├-0031 | AE00694 | Paint | LTS-6070B-1 10KG/Pail | | |
| ├├-0032 | ND01273 | absorb sound sponge-RS | 470*360*30t 500g/mi UL 437010153_V1.0 | | |
| ├├-0033 | ND01552 | Absorb sound sponge-RS | TS218S 1250*450*30t 500g/mi UL_V1.0 | | |
| ├-0002 | HK18346 | speaker | 18inch 600W 8Ω(TS218S) | | |
| ├-0001 | NH00413 | caushion-RS | 10*15.5 EVA black_V1.3 | | |
| ├-0002 | NH00414 | dust-proof shade-RS-ACT | φ 139*17_V1.0 | | |
| ├-0003 | ND01380 | wind-proof sponge-RS | φ 34*30H 20_V1.0 | | |
| ├-0004 | MIH01986 | magnet-RS | φ 180*95*20 Y30_V1.0 | | |
| ├-0005 | MI05996 | bracket-RS | φ 459.8*105*155.2 P:128_V1.0 | | |
| ├-0006 | MG00263 | screw | M5*8 | | Lock the washer and bracket*4 |
| ├-0007 | HC00882 | terminal-RS | 6.3#+6.3#5*3.5_V1.0 | | |
| ├-0008 | HA04554 | line-RS | TA2J7Y18H2KA33/42WB*2*180mm | | |
| ├├-0001 | HA04553 | line-RS | TA2J7Y18H2KA33/42WB*1M | | |
| ├-0009 | NH00415 | cone-RS | φ 440* φ 76.5*120_V1.1 | | |
| ├-0010 | ND00693 | damper-RS | φ 191* φ 75.8*16 0.4/100g TC:D-1940B | | |
| ├-0011 | MIH02767 | T type middle pillar | φ 165*74.25*31.5*8 φ 30 | | |
| ├-0012 | MIH02464 | iron coil-RS | φ 175*78.5*10 P:128 TL:W175-50_V1.0 | | |
| ├-0013 | NE27055 | label | HK18346_V1.0 | | |
| ├├-0001 | NI00015 | membrane | 0.04*1M | | |
| ├├-0002 | NH00012 | bond paper | 0.04*1M | | |
| ├-0014 | MF00020 | washer | φ 5* φ 12*1t | | |
| ├-0015 | HG00595 | voice coil | TIL/4L φ 74.88*56*5.2 Ω*0.27 22.2 EI | | |
| ├-0003 | NI07835 | net | TS218S 5t*625*551.4_V1.0 | | stick to the back of grille*1 |
| ├-0004 | HA06358 | wire | 550mm UL1015 18AWG+Capacitance | | speaker wire*1 |
| ├-0001 | CF00245 | metal-film capacitor-RS | 0.0022uF/400V 5% ESK400D22JA | | |
| ├-0002 | HA06357 | wire | 550mm UL1015 18AWG | | |
| ├-0005 | ND00665 | EV foam-RS | 950*15*2.0mm black_V1.0 | | stick to the AMP |
| ├-0006 | ND00633 | EV foam-RS | 1.0t*1500*15mm black_V1.0 | | pasted on the two sides of grille |
| ├-0007 | ND00701 | EV FOAM | 1370*15*2.0mm | | pasted on the woofer |
| ├-0008 | MG01030 | Screw-RS | M3*20 | | lock the grille*8 |
| ├-0009 | MG00350 | screw-RS | M5*30 | | lock the woofer*8 |
| ├-0010 | MG00351 | screw-RS | M4*16 | | fix the amp and cabinet*8 |
| ├-0011 | HA00841 | power cord(America 3P) | LT-202+18A*3C(SVT) 6FT+LT-501 | | |
| ├-0012 | HK17710 | PC board | P-TS212 Logo LED-DIP | | to fix the logo |
| ├├-0001 | HK17709 | PC board | P-TS210 LED-SMD | | |
| ├├├-0001 | HB04153 | PCB-RS | TS212 LOGO LED (4*8)_VER150908 | | |
| ├├├-0002 | SE00270 | SMD L.E.D | blue MS-PTB414SUBC | LED1 | |
| ├├├-0003 | AE00553 | SenJu solder paste | M705-GRN360-K2-V 0.5KG/bottle | | |
| ├-0002 | HC00253 | connector(male) | 2P 2.0mm 180° | CN1 | |
| ├-0003 | AC00603 | lead free soldering bar | S100 | | |
| ├-0013 | NI07597 | LED lens | TS212 16.69*10.32*8.15_V1.1 | | |
| ├-0014 | HA04308 | header wiring | 2P-2P 700mm UL1007 26AWG red/white | | connect the LED of logo |
| ├-0015 | NA00923 | PE bag-RS | 0.035t*1300*1500mm12 hole | | speaker*1, guarantee*1, carton*2 |
| ├-0016 | NA00858 | PE bag-RS | 0.04t*240*160mm_V1.0 | | pack the user manual and guarantee |

| | | | | | | |
|---|------|---------|------------------------------|--|--|---|
| + | 0017 | NA01719 | sponge barrier | TS218S_V1.0 | | |
| + | 0018 | NE27063 | label | TS218S_V1.0 | | Inside and outside*1 , carton *1, user manual*1 |
| + | 0019 | NE27071 | label | TS218S_V1.0 | | speaker*1 |
| + | 0001 | NI00015 | membrane | 0.04*1M | | |
| + | 0002 | NH00012 | bond paper | 0.04*1M | | |
| + | 0020 | NF03534 | assurance card-RS | ALTO PROFESSIONAL_V2.0 | | |
| + | 0021 | HK18376 | Faceplate | TS218S_ALTO_110-120V_CHINA_(NUMARK) | | fixed to the back of the cabinet |
| + | 0001 | HA01271 | single terminal wiring | 60 (PC250,PC187) | | SW TO AC Jack |
| + | 0002 | HA01287 | wire-RS | 60mm UL1015 18AWG blue | | SW TO AC Jack |
| + | 0003 | HA03186 | wire | 100mm UL1015 14AWG | | GND |
| + | 0004 | HA04141 | wire | 100mm UL1015 18AWG blue | | AC SW to AC Jack |
| + | 0005 | HA04143 | wire | 100mm UL1015 18AWG brown | | AC SW to AC Jack |
| + | 0006 | HC00331 | AC socket | RF-2004 | | |
| + | 0007 | HD00018 | glass tube fuse | 6.3A 250V φ 5.2*20mm CCEE/CSA/S/UL/VDE | | |
| + | 0008 | HI00475 | power switch-RS | 2*2P RF-1003-BBA8E2X1T | | |
| + | 0009 | ME00016 | color nut | 4m/m | | GND |
| + | 0010 | MF00014 | washer | φ 3* φ 6.5*0.5t | | AMP*6 |
| + | 0011 | MF00038 | washer-RS | φ 4* φ 7*1t | | GND |
| + | 0012 | MF00048 | washer-RS | φ 4* φ 8*0.5t | | GND |
| + | 0013 | MG00061 | screw-RS | M3*10(加硬處理) | | MIC*8, sealed box*16 |
| + | 0014 | MG00162 | screw | M3*8 | | AMP*6 |
| + | 0015 | MG00163 | screw | M3*8 | | fix the soldering tag*1, PRE GND*1 |
| + | 0016 | NI01862 | key | 5.5*5.5*14.5_V1.1 | | |
| + | 0017 | NI06123 | key | 9.2*9.2*7.3(3.3*3.3)_V1.0 | | |
| + | 0018 | HK18369 | PC board | P-TS218 SUB-PRE-DIP | | |
| + | 0001 | HC00253 | connector(male) | 2P 2.0mm 180° | CN4 | |
| + | 0002 | HC00392 | balance MIC jack-RS | JY-5030-030G 180° | JK1,JK2 | |
| + | 0003 | HC01212 | balance MIC jack-RS | K6X01V-6-3A | J1,J2 | |
| + | 0004 | HI00162 | push-button switch | 2 paragraphs 6p PS-22E8552L | SW2,SW3 | |
| + | 0005 | HI00163 | push-button switch | 2 stage 12P PS-42E85 | SW1 | |
| + | 0006 | NI02532 | LED spacer support | LED8-22 22mm | | |
| + | 0007 | RC01034 | Potentiometer-RS | 30A103-Q1-FA265B120-10K L26.5FCx12 | VR1 | |
| + | 0008 | SA00051 | L.E.D | φ 3 orange,green 28/30/32mm | DL5 | |
| + | 0009 | SA00052 | L.E.D | φ 3 round(green)long foot 26 | DL1,DL2 | |
| + | 0010 | SA00053 | L.E.D | φ 3 round(red)long foot 26mm | DL4 | |
| + | 0011 | SA00054 | L.E.D | 3m/m round(yellow)long foot 26 | DL3 | |
| + | 0012 | AC00603 | lead free soldering bar | S100 | | |
| + | 0013 | HK18373 | PC board | P-TS218 SUB-PRE-AI | | |
| + | 0001 | CB00192 | electrolytic capacitor | 10uF/16V φ 4*7mm | C1,C2,C3,C6,C7,C35,C36,C37,C38,C42,C70 | |
| + | 0002 | CB00193 | electrolytic capacitor | 47uF/16V φ 6*7mm | C51,C52,C53 | |
| + | 0003 | CB00251 | electrolytic capacitor | 220UF/25V φ 8*11mm | C103,C104 | |
| + | 0004 | CB00262 | electrolytic capacitor | 47uF/16V NP φ 6.3*11mm | C100 | |
| + | 0005 | HK18371 | PC board | P-TS218 SUB-PRE-SMD | | |
| + | 0001 | RD00059 | SMD fixed resistor 1/10W | 0.0 Ω \pm 5% 0603 | C56,C57,R111,R112,TS218 | |
| + | 0002 | RD00075 | SMD fixed resistor 1/10W | 300 Ω \pm 5% 0603 | R44,R45,R46,R47 | |
| + | 0003 | RD00135 | SMD fixed resistor 1/4W | 330 Ω \pm 5% 1206 | R134 | |
| + | 0004 | RD00203 | SMD precise resistor 1/10W | 2.00K Ω \pm 1% 0603 | R81,R82,R83,R84 | |
| + | 0005 | RD00209 | SMD precise resistor 1/10W | 4.99K Ω \pm 1% 0603 | R38,R39,R96,R98 | |
| + | 0006 | RD00204 | SMD precise resistor 1/10W | 2.49K Ω \pm 1% 0603 | R97 | |
| + | 0007 | RD00210 | SMD precise resistor 1/10W | 5.11K Ω \pm 1% 0603 | R114,R115 | |
| + | 0008 | RD00214 | SMD precise resistor 1/10W | 10.0K Ω \pm 1% 0603 | R1,R2,R3,R4,R5,R8,R9,R36,R37,R40,R41,R42,R43,R102,R103,R104,R105,R106,R10,R11,R75,R76,R16,R17,R19,R130,R57,R59,R60,R61,R62,R63,R64,R65,R66,R67,R86,R87,R88,R89 | |
| + | 0009 | RD00302 | SMD precise resistor 1/10W | 28.0K Ω \pm 1% 0603 | R6,R7 | |
| + | 0010 | RD00215 | SMD precise resistor 1/10W | 13.0K Ω \pm 1% 0603 | R137,R138 | |
| + | 0011 | RD00216 | SMD precise resistor 1/10W | 13.3K Ω \pm 1% 0603 | R80 | |
| + | 0012 | RD00219 | SMD precise resistor 1/10W | 20.0K Ω \pm 1% 0603 | R107,R108 | |
| + | 0013 | RD00224 | SMD precise resistor 1/10W | 100K Ω \pm 1% 0603 | R121 | |
| + | 0014 | RD00272 | SMD precise resistor 1/10W | 10.0 Ω \pm 1% 0603 | R85 | |
| + | 0015 | RD00282 | SMD precise resistor 1/10W | 1.00K Ω \pm 1% 0603 | R118,R133 | |
| + | 0016 | RD00289 | SMD precise resistor 1/10W | 8.06K Ω \pm 1% 0603 | R12,R13 | |
| + | 0017 | RD00290 | SMD precise resistor 1/10W | 47.5K Ω \pm 1% 0603 | R48,R49,R50,R51 | |
| + | 0018 | RD00293 | SMD precise resistor 1/10W | 17.4K Ω \pm 1% 0603 | R109 | |
| + | 0019 | RD00300 | SMD precise resistor 1/10W | 6.04K Ω \pm 1% 0603 | R55 | |
| + | 0020 | RD00328 | SMD precise resistor 1/10W | 8.66K Ω \pm 1% 0603 | R72,R110 | |
| + | 0021 | RD00330 | SMD precise resistor 1/10W | 39.0K Ω \pm 1% 0603 | R129 | |
| + | 0022 | RD00334 | SMD precise resistor 1/10W | 11.0K Ω \pm 1% 0603 | R94,R120 | |
| + | 0023 | RD00339 | SMD precise resistor 1/10W | 47.0K Ω \pm 1% 0603 | R22,R23,R24,R25,R26,R28,R30,R31,R33,R34,R35 | |
| + | 0024 | RD00344 | SMD precise resistor 1/10W | 11.5K Ω \pm 1% 0603 | R95,R117 | |
| + | 0025 | RD00362 | SMD precise resistor 1/10W | 953 Ω \pm 1% 0603 | R32 | |
| + | 0026 | RD00363 | SMD precise resistor 1/10W | 3.16K Ω \pm 1% 0603 | R52 | |
| + | 0027 | RD00367 | SMD precise resistor 1/10W | 15.4K Ω \pm 1% 0603 | R122 | |
| + | 0028 | RD00368 | SMD precise resistor 1/10W | 16.5K Ω \pm 1% 0603 | R54 | |
| + | 0029 | RD00371 | SMD precise resistor 1/10W | 51.1K Ω \pm 1% 0603 | R53 | |
| + | 0030 | RD00386 | SMD precise resistor 1/10W | 4.75K Ω \pm 1% 0603 | R90 | |
| + | 0031 | RD00415 | SMD precise resistor 1/10W | 4.70K Ω \pm 1% 0603 | R125,R126,R131 | |
| + | 0032 | RD00457 | SMD precise resistor 1/10W | 150K Ω \pm 1% 0603 | R101 | |
| + | 0033 | RD00497 | SMD precise resistor 1/10W | 36.5K Ω \pm 1% 0603 | R92 | |
| + | 0034 | RD00544 | SMD precise resistance 1/10W | 22 Ω \pm 1% 0603 | R127 | |
| + | 0035 | RD00545 | SMD precise resistance 1/10W | 49.9 Ω \pm 1% 0603 | R99,R100 | |
| + | 0036 | RD00550 | SMD precise resistor 1/10W | 27.0K Ω \pm 1% 0603 | R132 | |

| | | | | | | |
|---------|-------|---------|-----------------------------------|---|---|------------------------|
| I I I I | +0037 | RD00709 | SMD precise resistor-RS | 1.37K Ω \pm 1% 0603 | R128 | |
| I I I I | +0038 | RD00721 | SMD fixed resistor-RS 1/10W | 22.1K Ω \pm 1% 0603 | R124 | |
| I I I I | +0039 | RD00856 | SMD fixed resistor-RS 1/10W | 23.2K Ω \pm 1% 0603 | R77 | |
| I I I I | +0040 | RD00859 | SMD fixed resistor-RS 1/10W | 9.09K Ω \pm 1% 0603 | R116 | |
| I I I I | +0041 | RD00870 | SMD precise resistor-RS 1/10W | 10.2K Ω \pm 1% 0603 | R78 | |
| I I I I | +0042 | RD00894 | SMD fixed resistor-RS 1/10W | 46.4K Ω \pm 1% 0603 | R20,R27 | |
| I I I I | +0043 | RD00928 | SMD precise resistor 1/10W | 22.0K Ω \pm 1%0603 | R123 | |
| I I I I | +0044 | RD00959 | SMD precise resistor 1/10W | 16.90K Ω \pm 1% 0603 | R93 | |
| I I I I | +0045 | RD00967 | SMD resistance 1/8W | 6.98K Ω \pm 1% 0805 | R14,R15 | |
| I I I I | +0046 | RD01038 | SMD fixed resistor-RS 1/10W | 40.2K Ω \pm 1% 0603 | R21,R29 | |
| I I I I | +0047 | RD01040 | SMD fixed resistor-RS 1/10W | 16.2K Ω \pm 1% 0603 | R79 | |
| I I I I | +0048 | RD01115 | SMD precise resistor 1/16W | 3.0K Ω \pm 1% 0603 | R113 | |
| I I I I | +0049 | CI00051 | SMD ceramic capacitor 0603 | 22PF/50V COG \pm 5%(C1608COG1H220JT)/TDK | C8,C9,C10,C11,C12,C13,C22,C23,C24,C25,C26,C27,C28,C29,C30,C31,C32,C33,C34,C43,C44 | |
| I I I I | +0050 | CI00055 | SMD ceramic capacitor 0603 | 47PF/50V COG \pm 5%(C1608COG1H470JT)/TDK | C54,C62 | |
| I I I I | +0051 | CI00175 | SMD ceramic capacitor 0603 | 1.0uF/16V X7R \pm 10%(C1608X7R1C105KT)/TDK | C101 | |
| I I I I | +0052 | CI00179 | SMD ceramic capacitor 0603 | 0.22uF/25V X7R \pm 10%(C1608X7R1E224KT)/TDK | C40,C41,C49,C50,C61,C80 | |
| I I I I | +0053 | CI00185 | SMD ceramic capacitor 0603 | 0.1uF/50V X7R \pm 10%(C1608X7R1H104KT)/TDK | C69,C71,C72,C73,C74,C75,C76,C77,C78,C81,C82,C83,C84,C85,C86,C87,C88,C89,C90,C91,C92,C93,C94,C95,C96,C111,C112,C113,C114,C115,C116,C117,C118,C119,C120,C121,C122,C123,C124,C125,C126,C127,C128,C66,C98,C99 | |
| I I I I | +0054 | CI00202 | SMD ceramic capacitor 0603 | 0.015uF/50V \pm 10%(C1608X7R1H153KT)/TDK | C60 | |
| I I I I | +0055 | CI00207 | SMD ceramic capacitor 0603 | 0.056uF/50V \pm 10%(C1608X7R1H563KT)/TDK | C59 | |
| I I I I | +0056 | CI00209 | SMD ceramic capacitor 0603 | 0.082uF/50V \pm 10%(C1608X7R1H823KT)/TDK | C63,C64 | |
| I I I I | +0057 | CI00211 | SMD ceramic capacitor 0603 | 0.15uF/25V X7R \pm 10%(C1608X7R1E154KT)/TDK | C55 | |
| I I I I | +0058 | CI00220 | SMD ceramic capacitor 0603 | 220PF/50V COG \pm 5%(C1608COG1H221JT)/TDK | C65 | |
| I I I I | +0059 | CI00224 | SMD ceramic capacitor 0603 | 470PF/50V COG \pm 5%(C1608COG1H471JT)/TDK | C102 | |
| I I I I | +0060 | CI00330 | SMD ceramic capacitor-RS 0805 | 10uF/16V \pm 10%(GRM21BB31C106K)(MURATA) | C4,C5 | |
| I I I I | +0061 | CI00349 | SMD ceramic capacitor 0805 | 4.7uF/25V X5R \pm 10% | C47,C48,C97 | |
| I I I I | +0062 | CI00404 | SMD ceramic capacitor-RS-ACT 0603 | 0.47uF/16V (GRM188B31C474KA87D)/(Murata) | C67,C68,C79 | |
| I I I I | +0063 | CO00168 | SMD inductance-RS-ACT | 1000 Ω \pm 25%(BLM188K102SN1D) | L1,L2,L3,L4,R135,R136 | |
| I I I I | +0064 | SF00038 | transistor | RK7002(ROHM) | TR1 | |
| I I I I | +0065 | SF00053 | transistor | MMBT3906(SOT23)(PHI) | TR2 | |
| I I I I | +0066 | SG00033 | SMD integrated circuit | LM358DT(SO8)(ST) | U18 | |
| I I I I | +0067 | SG00122 | SMD integrated circuit-RS-ACT | NJM4580M-TE3(DMP8)(JRC) | U1,U2,U3,U4,U5,U6,U7,U8,U10,U11,U12,U15,U16,U9,U13,U19 | |
| I I I I | +0068 | SG00194 | SMD integrated circuit | NJM13600M-TE1(DMP16)(JRC) | U14 | |
| I I I I | +0069 | SG00306 | SMD integrated circuit | LM393DR(TI)(MEXICO) | U17,U20 | |
| I I I I | +0070 | AE00553 | SenJu solder paste | M705-GRN360-K2-V 0.5KG/bottle | | |
| I I I I | +0071 | SE00177 | SMD rectifier diode-RS | 0.5A LL4148(SOD-80)(VISHAY) | D2,D3,D4 | |
| I I I I | +0072 | SE00155 | SMD Schottky barrier diode-RS-ACT | BAT 64-04(SOT-23)(INFINEON) | D1 | |
| I I I I | +0073 | SE00243 | SMD zener diode-RS | 1/2W 12V MMSZ5242A(SOD123)/PANJIT | ZD1,ZD2,ZD3,ZD4,ZD5,ZD6,ZD7,ZD8 | |
| I I I I | +0074 | RD01167 | SMD precise resistor 1/10W | 127K Ω \pm 1% 0603 | R56 | |
| I I I I | +0075 | HB04398 | PCB | TS2 SUB PRE(1*2)_VER160525 | | |
| I I I | +0006 | CF00155 | metal-film capacitor MSC | 0.22uF/63V 5% CASE02 | C39 | |
| I I I | +0007 | CF00191 | metal-film capacitor MSC | 0.33uF/63V 5% CASE02 | C58 | |
| I I I | +0008 | CF00183 | metal-film capacitor MSC | 0.1uF/100V 5% CASE01 | C14,C15,C16,C17,C18,C19,C20,C21,C129,C130 | |
| I I I | +0009 | CB00038 | electrolytic capacitor | 47uF/16V ϕ 5*7mm | R58 | |
| I I | +0014 | HC00258 | connector(male) | 7P 2.0mm 180° | CN3 | |
| I | +0019 | HK18332 | PC board | P-DM 300W+300W_DIP | | |
| I I | +0001 | RA00031 | metal-oxide-film resistor 2W | 10 Ω P type | R41,R42 | |
| I I | +0002 | RA00051 | metal-oxide-film resistor 2W | 5.6 Ω | R65,R66 | |
| I I | +0003 | NI00268 | sleeve | ϕ 6*20mm PGNS1008ZA/J1_P_C | R40 | |
| I I I | +0001 | NI00266 | sleeve | ϕ 6*1000mm | | |
| I I | +0004 | MG00162 | screw | M3*8 | | AMP*9 |
| I I | +0005 | MG00566 | screw | M3*10*0.5PH_V1.0 | | IC*2+shrapnel*9 |
| I I | +0006 | HC00088 | connector(male) | 2P 3.9mm 180°(#3921) | J3 | |
| I I | +0007 | HC00174 | connector(male) | 4P 3.96mm 180° | J5 | |
| I I | +0008 | HC00258 | connector(male) | 7P 2.0mm 180° | J4 | insert near L16 |
| I I | +0009 | HA01933 | jump | 2.5mm | BRI | |
| I I | +0010 | HC00324 | connect terminal | 6.5mm/m (PC250) | J1,J2 | |
| I I | +0011 | CB00151 | electrolytic capacitor | 220uF/63V ϕ 10*16mm | C98,C99 | |
| I I | +0012 | CN00069 | inductance-EMI SUPPRESSOR-RS-ACT | TB36-13-850485 | L1,L2,L5,L12 | |
| I I | +0013 | CG00023 | X1/Y1 capacitor | 0.0022uF/250VAC Y5U | C6,C7,C8,C10,C11 | |
| I I | +0014 | MK00103 | spring piece | 0.5*22.67*6.5*42.5_V1.0 | | Lock MOS TUBE |
| I I | +0015 | CB00295 | electrolytic capacitor | 820uF/180V ϕ 25*35 | C13,C14 | |
| I I | +0016 | NI04253 | sleeve-RS | ϕ 28*50M T-2 | | MK00103 |
| I I | +0017 | SD00317 | integrated circuit | NJM7912FA(TO220F)(JRC) | U2 | |
| I I | +0018 | ME00226 | screw-RS | M3*0.5PH | | IC*2+shrapnel*9 |
| I I | +0019 | SA00316 | bridge rectifier-RS | 8A GBU-8K(PANJIT) | D12 | |
| I I | +0020 | NC01179 | insulator spacer-RS | 0.13t*40mm*55mm(HI-FLOW-625) | | stick on Q1, Q5 |
| I I | +0021 | CB00335 | electrolytic capacitor-RS | 1000uF/16V ϕ 8*20mm | C89,C90 | |
| I I | +0022 | RA01063 | metal-oxide-film resistor 3W | 0.1 Ω \pm 2% P type | R40 | |
| I I | +0023 | RH00033 | thermistor-RS-CT | 5 Ω B5723S-0509M000(EPCOS) | R6 | |
| I I | +0024 | SD00380 | integrated circuit-RS | NJM7812FA(TO220F)(JRC) | U1 | |
| I I | +0025 | AC00603 | lead free soldering bar | S100 | | |
| I I | +0026 | SB00284 | transistor-RS | IRFB4020PBF(TO220AB)(IR) | Q6,Q7,Q8,Q9 | |
| I I | +0027 | NC04098 | insulator spacer-RS | 0.13t*27.5*40mm(HI-FLOW-625) | | stick on Q6, Q7/Q8, Q9 |

| | | | | | | | | | | |
|---|---|---|------|---------|---------------------------|---|-------------------------------|---|---|-----------|
| I | I | + | 0028 | ND01210 | cushion-RS | 8t*45*10mm(E-4382) | | stick on C13/C14 | | |
| I | I | + | 0029 | CB00436 | electrolytic capacitor-RS | 1000uF/63V LSR φ 16*25mm | C28,C31,C32,C64 | | | |
| I | I | + | 0030 | CF00277 | metal-film capacitor-RS | 0.22uF/100V C242A224K2SC000(Fara) | C52,C53 | | | |
| I | I | + | 0031 | CB00438 | electrolytic capacitor-RS | 470uF/25V LSR φ 8*20mm | C1,C2 | | | |
| I | I | + | 0032 | CF00284 | metal-film capacitor-RS | 0.1uF/630V C822J104J60C000(Fara) | C26 | | | |
| I | I | + | 0033 | RH00037 | thermistor-RS-ACT | 330Ω PTFLO4BG222Q2N34B0(MURATA) | PR200 | | | |
| I | I | + | 0034 | CF00279 | metal-film capacitor-RS | 1.0uF/250V C322E105J60C000(Fara) | C50,C51 | | | |
| I | I | + | 0035 | SB00369 | Transistor-RS | FDP18N50(TO220)/FAIRCHILD | Q1,Q5 | | | |
| I | I | + | 0036 | CN00359 | inductance | 5.0mH φ 0.7*30T | L3,L4 | | | |
| I | I | + | 0037 | CG00126 | X2 capacitor-RS | 0.33uF/275V ±10%(C42P2334K6SC000)(FARA) | C9,C12 | | | |
| I | I | + | 0038 | TC00585 | Transistor | PT-DM 350W+175W(ER35)_230V | T1 | | | |
| I | I | + | 0039 | NI07555 | insulator | TT12 0.5t*95*93_V1.0 | | | | |
| I | I | I | + | 0001 | NI04630 | film-RS-CT | 450*605*0.5mm 0.184kg_V1.0 | | | |
| I | I | + | 0040 | CG00130 | X2 capacitor | 0.47uF/305V 20%(C42Q2474M6HC000)(FARA) | C5 | | | |
| I | I | + | 0041 | HA01919 | jump | 5mm | PR1,R110 | | | |
| I | I | I | + | 0001 | HA02249 | wire | φ 0.6 鍍錫 | | | |
| I | I | + | 0042 | MI06323 | heat-shassis | TS212 2t*40*100*206_V1.2 | | | | |
| I | I | I | + | 0001 | ME00221 | iron pillar | M3*8*0.5PH_V1.1 | | | |
| I | I | I | + | 0002 | MI00055 | AL plate-RS | 2*2000*1000 10.88kg | | | |
| I | I | + | 0043 | CN00372 | Inductance | 22uH T94-2 | L8,L9 | | | |
| I | I | + | 0044 | HK18335 | PC board | P-DM 300W+300W_AI | | | | |
| I | I | I | + | 0001 | CB00112 | electrolytic capacitor | 10uF/35V 105℃ φ 4*7mm 2.5mm | C95 | | |
| I | I | I | + | 0002 | CF00183 | metal-film capacitor MSC | 0.1uF/100V 5% CASE01 | C79,C80 | | |
| I | I | I | + | 0003 | CB00188 | electrolytic capacitor | 10uF/63V φ 5*11mm 2.5mm | C37 | | |
| I | I | I | + | 0004 | CB00034 | electrolytic capacitor | 33uF/16V φ 5*11mm 2.5mm | C83,C84 | | |
| I | I | I | + | 0005 | CC00074 | mylar capacitor-RS-ACT | 0.01uF/100V 3% | C27 | | |
| I | I | I | + | 0006 | CA00131 | ceramic capacitor-RS | 0.01uF/1000V Z5U | C15,C16,C25 | | |
| I | I | I | + | 0007 | CB00409 | electrolytic capacitor-RS | 22uF/16V 105℃ φ 5*11mm | C45,C46 | | |
| I | I | I | + | 0008 | CB00469 | electrolytic capacitor-RS | 100uF/16V LSR 105℃ φ 5*11mm | C34,C35,C38,C3,C4 | | |
| I | I | I | + | 0009 | HK18333 | PC board | P-DM 300W+300W_SMD | | | |
| I | I | I | I | + | 0001 | SF00083 | transistor | MMBT5551LT1G(SOT23)(ON) | Q4 | |
| I | I | I | I | + | 0002 | RD00298 | SMD precise resistor 1/10W | 47.0Ω ±1% 0603 | R23 | |
| I | I | I | I | + | 0003 | SE00012 | SMD rectifier diode-RS | BAV103(PHI) | D15,D16,D22,D23 | |
| I | I | I | I | + | 0004 | SG00122 | SMD integrated circuit-RS-ACT | NJM4580M-TE3(DMP8)(JRC) | U5 | |
| I | I | I | I | + | 0005 | SE00054 | SMD L.E.D | yellow 19-21UYC/S530-A2/TR8 | DS1,DS2 | |
| I | I | I | I | + | 0006 | RD00327 | SMD precise resistor 1/10W | 8.20KΩ ±1% 0603 | R75,R76 | |
| I | I | I | I | + | 0007 | RD00355 | SMD fixed resistor 1/10W | 4.7Ω ±5% 0603 | R79,R80 | |
| I | I | I | I | + | 0008 | RD00214 | SMD precise resistor 1/10W | 10.0KΩ ±1% 0603 | R10,R24,R25,R59,R60,R10 0,R30 | |
| I | I | I | I | + | 0009 | RD00059 | SMD fixed resistor 1/10W | 0.0Ω ±5% 0603 | R109 | |
| I | I | I | I | + | 0010 | RD00209 | SMD precise resistor 1/10W | 4.99KΩ ±1% 0603 | R73,R74 | |
| I | I | I | I | + | 0011 | RD00224 | SMD precise resistor 1/10W | 100KΩ ±1% 0603 | R9,R12,R13,R14,R26,R27 | |
| I | I | I | I | + | 0012 | RD00460 | SMD precise resistor 1/10W | 560Ω ±1% 0603 | R64 | |
| I | I | I | I | + | 0013 | RD00466 | SMD precise resistor 1/4W | 2.0KΩ ±1% 1206 | R35,R36,R102,R103 | |
| I | I | I | I | + | 0014 | RD00255 | SMD precise resistor 1/4W | 100KΩ ±1% 1206 | R7,R8 | |
| I | I | I | I | + | 0015 | RD00506 | SMD precise resistor 1/10W | 3.30KΩ ±1% 0603 | R77,R78,C72 | |
| I | I | I | I | + | 0016 | RD00512 | SMD precise resistor 1/10W | 180KΩ ±1% 0603 | R92 | |
| I | I | I | I | + | 0017 | RD00219 | SMD precise resistor 1/10W | 20.0KΩ ±1% 0603 | R71,R72 | |
| I | I | I | I | + | 0018 | RD00399 | SMD precise resistor 1/4W | 10.0KΩ ±1% 1206 | R57,R58 | |
| I | I | I | I | + | 0019 | RD00282 | SMD precise resistor 1/10W | 1.00KΩ ±1% 0603 | R21,R39,R63,R91 | |
| I | I | I | I | + | 0020 | RD00272 | SMD precise resistor 1/10W | 10.0Ω ±1% 0603 | R45,R49,R50,R61,R62,R67 ,R68,R81,R82,R83,R84 | |
| I | I | I | I | + | 0021 | RD00274 | SMD precise resistor 1/10W | 100Ω ±1% 0603 | R69,R70 | |
| I | I | I | I | + | 0022 | RD00414 | SMD precise resistor 1/10W | 3.90KΩ ±1% 0603 | R28,R22 | |
| I | I | I | I | + | 0023 | RD00385 | SMD precise resistor 1/10W | 3.01KΩ ±1% 0603 | R47,R48 | |
| I | I | I | I | + | 0024 | RD00415 | SMD precise resistor 1/10W | 4.70KΩ ±1% 0603 | R85,R86 | |
| I | I | I | I | + | 0025 | RD00400 | SMD fixed resistor 1/4W | 220Ω ±5% 1206 | R1,R17 | |
| I | I | I | I | + | 0026 | RD00525 | SMD precise resistor 1/10W | 33.0KΩ ±1% 0603 | R55,R56 | |
| I | I | I | I | + | 0027 | RD00303 | SMD precise resistor 1/10W | 57.6KΩ ±1% 0603 | R33,R34 | |
| I | I | I | I | + | 0028 | RD00200 | SMD precise resistor 1/10W | 150Ω ±1% 0603 | R46 | |
| I | I | I | I | + | 0029 | CI00096 | SMD ceramic capacitor 0603 | 560PF/50V NPO ±5% | C20 | |
| I | I | I | I | + | 0030 | CI00145 | SMD ceramic capacitor 0805 | 0.0015uF/50V X7R ±10% | C60,C61,C62,C63,C67,C68 | |
| I | I | I | I | + | 0031 | CI00154 | SMD ceramic capacitor 1206 | 0.1uF/100V X7R ±10% | C33,C69 | |
| I | I | I | I | + | 0032 | CI00185 | SMD ceramic capacitor 0603 | 0.1uF/50V X7R±10%(C1608X7R1H104KT)/TDK | C29,C30,C56,C57,C81,C82 ,C91,C92,C93,C94,C19 | |
| I | I | I | I | + | 0033 | CI00179 | SMD ceramic capacitor 0603 | 0.22uF/25V X7R±10%(C1608X7R1E224KT)/TDK | C44 | |
| I | I | I | I | + | 0034 | CI00195 | SMD ceramic capacitor 1206 | 4.7uF/25V Y5V (GRM31CB11E475ZA01D) | C65,C66,C70,C71,C85,C86 ,C87,C88,C36,C24 | |
| I | I | I | I | + | 0035 | CI00206 | SMD ceramic capacitor 0603 | 0.047uF/50V ±10%(C1608X7R1H473KT)/TDK | C18,C49 | |
| I | I | I | I | + | 0036 | CI00201 | SMD ceramic capacitor 0603 | 0.01uF/50V ±10%(C1608X7R1H103KT)/TDK | C58,C59 | |
| I | I | I | I | + | 0037 | CI00051 | SMD ceramic capacitor 0603 | 22PF/50V COG±5%(C1608COG1H220JT)/TDK | C43 | |
| I | I | I | I | + | 0038 | CI00220 | SMD ceramic capacitor 0603 | 220PF/50V COG ±5%(C1608COG1H221JT)/TDK | C39,C42 | |
| I | I | I | I | + | 0039 | SF00082 | transistor-RS-ACT | MMBT5401LT1G(SOT23)(ON) | Q3 | |
| I | I | I | I | + | 0040 | RD00541 | SMD precise resistance 1/10W | 0Ω ±1% 0603 | | 350W+175W |
| I | I | I | I | + | 0041 | RD00596 | SMD precise resistor-RS 1/4W | 10.0Ω ±1% 1206 | R37,R38,R96,R99 | |
| I | I | I | I | + | 0042 | CI00269 | SMD ceramic capacitor-RS 1206 | 1.0uF/25V X7R ±10% | C23,C41 | |
| I | I | I | I | + | 0043 | SE00089 | SMD zener diode-RS | 1/2W 5.1V(MMSZ5231B)(SOD-123)(PANJIT) | D5,D19 | |
| I | I | I | I | + | 0044 | RD00636 | SMD precise resistor-RS 1/4W | 47.0KΩ ±1% 1206 | R18,R52 | |
| I | I | I | I | + | 0045 | SE00098 | SMD zener diode-RS-C | 1W 15V DL4744A MELF/(SJ) | D14 | |
| I | I | I | I | + | 0046 | SG00495 | SMD integrated circuit-RS | IR2156SPBF(SO14)(IR) | U3 | |
| I | I | I | I | + | 0047 | CI00279 | SMD ceramic capacitor-RS 1206 | 0.0022uF/200Vx7R±10% | R94 | |
| I | I | I | I | + | 0048 | CI00306 | SMDceramic capacitor-RS | 1.0uF/25V X7R ±10% | C21,C22 | |
| I | I | I | I | + | 0049 | AE00553 | SenJu solder paste | M705-GRN360-K2-V 0.5KG/bottle | | |
| I | I | I | I | + | 0050 | RD00697 | SMD precise resistor-RS | 390.0Ω ±1% 0603 | R51 | |
| I | I | I | I | + | 0051 | SE00133 | SMD zener diode-RS | 225mW 12V BZX84C12LT1G(SOT23) | D18 | |
| I | I | I | I | + | 0052 | SE00134 | SMD rectifier diode-RS-ACT | 1A 600V MURS160T3G (SMB)(ON) | D13 | |
| I | I | I | I | + | 0053 | SG00667 | SMD integrated circuit-RS | IRS2092S(SOIC16N)(IR) | U7,U8 | |

| | | | | | | |
|---------|-------|---------|--------------------------------------|---|--|-------------------------------------|
| I I I I | +0054 | CI00328 | SMD ceramic capacitor-RS 1206 | 150PF/630V COG ±5%(C3216C0G2J151J)/TDK | C47,C48 | |
| I I I I | +0055 | SE00149 | SMD double-direct triy diode-RS | 1A/30V RB160M-30(ROHM) | D3,D4 | |
| I I I I | +0056 | RD00818 | SMD fixed resistor 2W | 2.2K Ω ±5% 2512 | R43,R44 | |
| I I I I | +0057 | RD00800 | SMD precise resistor 1/8W | 10.0 Ω ±1% 0805 | R112,R113,R114,R115 | |
| I I I I | +0058 | SG00729 | SMD integrated circuit-RS-ACT | MC78M12CDTRKG(DPAK-3)/(ON) | U4 | |
| I I I I | +0059 | SE00156 | SMD diode-RS-ACT | 1A/200V ES1D(SMA)/(FAIRCHILD) | D1,D2,D20,D21,D28 | |
| I I I I | +0060 | CI00356 | SMD ceramic capacitor 1206 | 0.1uF/250V X7R ±10%(GRM31CR72E104KW03L) | C73,C74,C75,C76,C77,C78 R104,R105,R106,R107 | |
| I I I I | +0061 | SE00161 | SMD diode-RS | 2A/200V ER2D 35nS(DO214AA)/(PANJIT) | D29,D30,D31,D32,D33,D34,D35,D36 | |
| I I I I | +0062 | CO00168 | SMD inductance-RS-ACT | 1000 Ω ±25%(BLM18RK102SN1D) | L6,L7,L10,L11,L14,L15,L16,L17,L13 | |
| I I I I | +0063 | CI00366 | SMD ceramic capacitor 0805 | 220PF/250V COG ±5% | C100,C101,C102,C103 | |
| I I I I | +0064 | CI00387 | SMD ceramic capacitor-RS | 0.0022uF/250V X7R ±10% | C54,C55 | |
| I I I I | +0065 | SE00177 | SMD rectifier diode-RS | 0.5A LL4148(SOD-80)/(VISHAY) | D10,D11,D24,D25,D26,D27 | |
| I I I I | +0066 | SE00189 | SMD diode-RS-ACT | 8A/200V STTH802B-TR (DPAK)/(ST) | BD1,BD2,BD3,BD4 | |
| I I I I | +0067 | RD00945 | SMD resistance 1/4W | 1.0 Ω ±1% 1206 | R87,R88 | |
| I I I I | +0068 | RD00957 | SMD precise resistor 1/10W | 4.3K Ω ±1% 0603 | R31,R32 | |
| I I I I | +0069 | RD00293 | SMD precise resistor 1/10W | 17.4K Ω ±1% 0603 | R29 | |
| I I I I | +0070 | RD01001 | SMD precise resistance 1/10W | 24K Ω ±1% 0603 | R53,R54 | |
| I I I I | +0071 | HB04061 | PCB | DM 400W+200W_VER150720 | | |
| I I I I | +0072 | SB00379 | Photodiode | LTV-817S-TA1-C(LITEON)/ | U6 | |
| I I I I | +0073 | RD00123 | SMD fixed resistor 1/10W | 470K Ω ±5% 0603 | R2,R3,R4,R5 | |
| I I | +0045 | MC01371 | top cover | TS212 1.5*19.5*95.6*163_V1.0 | | |
| I I | +0001 | MJ00069 | iron board | 1.5*2135*1220 30.67kg | | |
| I I | +0046 | MG00269 | screw-RS | M3*6 | | fix the top cover |
| I | +0020 | NI00218 | cable tie | ALT-102SB | | |
| I | +0021 | HA05997 | header wiring | 2P UL1007 18AWG | | |
| I | +0022 | ND01444 | EV foam | 0.5*650*3mm_V1.0 | | pasted on the sealed box |
| I | +0023 | NI02527 | knob-RS | φ 14*13mm_V1.3 | | |
| I | +0024 | MA11190 | panel | TS218S ALTO CHINA_V1.1 | | |
| I I | +0001 | MA11187 | panel | TS 212 SUB 2*235*268 | | |
| I I I | +0001 | AE00055 | solvent | solvent | | |
| I I I | +0002 | AE00201 | . | 5041 | | |
| I I I | +0003 | MA11186 | panel | TS 212 SUB 2*235*268_V1.1 | | |
| I I I I | +0001 | ME00001 | screw pillar-RS | M4*10*0.7PH_V1.0 | | |
| I I I I | +0002 | ME00319 | iron pillar-RS-CT | 6.35*M3*26.5_V1.0 | | |
| I I I I | +0003 | ME00038 | iron pillar | 6.35*M3*8.4_V1.3 | | |
| I I I I | +0004 | MJ01580 | single light board-RS | 2.0*1850*1250mm 36kg | | |
| I | +0025 | NI07837 | fixed bracket | TS 212 SUB 81*187.5*24.5_V1.0 | | |
| I | +0026 | HA06363 | header wiring | 7P-7P 200mm UL1007 26AWG | | |
| I | +0027 | NC04781 | Insulator | φ 7.5_ES503_DB | | stick to AC Jack |
| I | +0022 | NI02590 | cable tie | YJ-203V0 UL94V-0 | | fix the speaker wire*1 |
| I | +0023 | NF04684 | user manual | TS2 SUB ALTO_V1.0 | | |
| I | +0001 | NH00231 | paper | 889*554mm | | |
| I | +0024 | NE27158 | lable | TS218SXUS_V1.0 | | pasted on the two sides of carton*2 |
| I | +0001 | NI00018 | membrane | 0.06*1M | | |
| I | +0002 | NH00035 | bond paper | 0.06*1M | | |
| I | +0025 | NI00218 | cable tie | ALT-102SB | | LED wire*1 |
| I | +0026 | ND01485 | sponge | 11*15*13.7 black_V1.0 | | pasted on the LED support*1 |
| I | +0027 | NB08876 | carton | TS218S ALTO_V1.0 | | |
| I | +0028 | NE27161 | lable | TS218S_V1.0 | | stick to the right corner of grille |
| I | +0029 | NI07857 | 3M VHB | 11*31.3*26.4 (3M 4952)_V1.0 | | stick to the back of logo*2 |
| I | +0030 | NI07836 | mark | TS 212 SUB 30.35*11.03*90.22_V1.0 | | |
| I | +0031 | MD02089 | iron net | TS218SUB 1.2t*86.4*494.6*629_V1.0 | | |
| I | +0032 | HA06368 | wire | 4P 280mm UL1007 18AWG | | |
| I | +0001 | HA06369 | wire | 4P 280mm UL1007 18AWG | | |
| I | +0002 | CN00283 | high frequency magnetism encircle-RS | φ 16*16 (742700752)/WURTH ELEKTRONIK | | |
| I | +0033 | NE26801 | label | NUMARK SERIES_V1.0 | | pasted to the PE bags |
| I | +0001 | NI02598 | membrane | 125mm | | |
| I | +0002 | NI00068 | Scotch tape | 0.16*1M | | |
| I | +0034 | NE21518 | label | APX2000/3000_V1.1 | | stick to the powercon |

| Rank | Part No | Description | Specification | Insert Location | Remark |
|-----------|---------|-------------------------|---------------------------------------|-----------------|-----------------------------------|
| PC03023 | PC03023 | SPEAKER | TS218S_ALTO_230V_CHINA_(NUMARK) | | |
| +0001 | NC05055 | box | TS218S_V1.2 | | |
| I -0001 | NI02426 | foot cushion | φ 37*15.5mm PGHA1022ZA/J1_P_A | | |
| I -0002 | MI02042 | handle-RS | 220*163.5*63mm_V1.0 | | |
| I -0003 | ME00082 | nut-RS | M5*0.8PH*10.6_V1.2 | | Lock the woofer |
| I -0004 | ME00083 | nut | M6*1.0PH*11.6_V1.2 | | Lock the pole mount |
| I -0005 | ME00085 | nut | M4*0.7PH*9.3_V1.2 | | Lock the handles on two sides |
| I -0006 | MG00034 | screw | M4*16 | | Lock the handle*12 |
| I -0007 | MG00338 | screw-RS | M4*30mm | | Lock the handle*8 |
| I -0008 | MG00670 | SCREW-RS | M6*40 | | Lock the pole mount*4 |
| I -0009 | ND00242 | EV foam | 43*47.5*1.5mm | | stick to the handles on two sides |
| I -0010 | ND00634 | EV foam--RS | 2.0t*300*15mm black_V1.0 | | stick to the pole mount |
| I -0011 | ND00635 | EV foam--RS | 2.0t*700*15mm black_V1.0 | | stick to the handles |
| I -0012 | MG00751 | screw-RS | M4*20MM | | lock the feet*4 |
| I -0013 | MH01704 | handle-RS | ELVIS φ 110*96_V1.3 | | |
| I -0014 | NH00784 | Tube | TS218S φ 148* φ 156*400_V1.0 | | used for the cabinet*2 |
| I -0015 | NC05074 | top cover | TS 218S 628*523.3*18mm_V1.0 | | |
| I I -0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I -0016 | NC05075 | chassis | TS 218S 628*523.3*18mm_V1.0 | | |
| I I -0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I -0017 | NC05076 | side cover board | TS 218S 641*561*18mm left_V1.0 | | |
| I I -0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I -0018 | NC05077 | side cover board | TS 218S 641*561*18mm right_V1.0 | | |
| I I -0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I -0019 | NC05078 | front board | TS 218S 641*495*18mm_V1.0 | | |
| I I -0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I -0020 | NC05079 | rear board | TS 218S 641*386*18mm_V1.0 | | |
| I I -0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I -0021 | NC05063 | rear board | TS 212S 277.5*310.5*18mm_V1.0 | | |
| I I -0001 | NC03657 | Plywood-RS-CARB | 2440*1220*18t | | |
| I -0022 | NC05080 | barrier | TS 218S 500*110*15mm_V1.0 | | |
| I I -0001 | NC03656 | Plywood-RS-CARB | 2440*1220*15t | | |
| I -0023 | NC05081 | billet | TS 218S 478.6*85*15mm_V1.0 | | |
| I I -0001 | NC03656 | Plywood-RS-CARB | 2440*1220*15t | | |
| I -0024 | AE00684 | Paint | LTS-6072 25KG/Pail | | |
| I -0025 | AE00686 | Paint | LTS-6071B 10KG/Pail | | |
| I -0026 | AE00687 | Paint | DTS-1202-1 20KG/Pail | | |
| I -0027 | AE00688 | Paint | DTS-1021A-1 20KG/Pail | | |
| I -0028 | AE00689 | Paint | DTS-1021B 10KG/Pail | | |
| I -0029 | AE00692 | Paint | PU-010-4 170KG/Pail | | |
| I -0030 | AE00693 | Paint | MTS-2209 20KG/Pail | | |
| I -0031 | AE00694 | Paint | LTS-6070B-1 10KG/Pail | | |
| I -0032 | ND01273 | absorb sound sponge-RS | 470*360*30t 500g/mf UL 437010153_V1.0 | | |
| I -0033 | ND01552 | Absorb sound sponge-RS | TS218S 1250*450*30t 500g/mfUL_V1.0 | | |
| -0002 | HK18346 | speaker | 18inch 600W 8Ω(TS218S) | | |
| I -0001 | NH00413 | caushion-RS | 10*15.5 EVA black_V1.3 | | |
| I -0002 | NH00414 | dust-proof shade-RS-ACT | φ 139*17_V1.0 | | |
| I -0003 | ND01380 | wind-proof sponge-RS | φ 34*30H 20_V1.0 | | |
| I -0004 | MH01986 | magnet-RS | φ 180*95*20 Y30_V1.0 | | |
| I -0005 | MI05996 | bracket-RS | φ 459.8*105*155.2 P:128_V1.0 | | |
| I -0006 | MG00263 | screw | M5*8 | | Lock the washer and bracket*4 |
| I -0007 | HC00882 | terminal-RS | 6.3#+6.3#3.5*3.5_V1.0 | | |
| I -0008 | HA04554 | line-RS | TA2J7Y18H2KA33/42WB*2*180mm | | |
| I I -0001 | HA04553 | line-RS | TA2J7Y18H2KA33/42WB*1M | | |
| I -0009 | NH00415 | cone-RS | φ 440* φ 76.5*120_V1.1 | | |
| I -0010 | ND00693 | damper-RS | φ 191* φ 75.8*16 0.4/100g TC:D-1940B | | |
| I -0011 | MI02767 | T type middle pillar | φ 165*74.25*31.5*8 φ 30 | | |
| I -0012 | MH02464 | iron coil-RS | φ 175*78.5*10 P:128 TL:W175-50_V1.0 | | |
| I -0013 | NE27055 | label | HK18346_V1.0 | | |
| I I -0001 | NI00015 | membrane | 0.04*1M | | |
| I I -0002 | NH00012 | bond paper | 0.04*1M | | |
| I -0014 | MF00020 | washer | φ 5* φ 12*1t | | |
| I -0015 | HG00595 | voice coil | TTL/4L φ 74.88*56*5.2Ω*0.27 22.2 EI | | |
| +0003 | NI07835 | net | TS218S 5t*625*551.4_V1.0 | | stick to the back of grille*1 |
| -0004 | HA06358 | wire | 550mm UL1015 18AWG+Capacitance | | speaker wire*1 |
| I -0001 | CF00245 | metal-film capacitor-RS | 0.0022uf/400V 5% ESK400D22JA | | |
| I -0002 | HA06357 | wire | 550mm UL1015 18AWG | | |
| -0005 | ND00665 | EV foam-RS | 950*15*2.0mm black_V1.0 | | stick to the AMP |
| -0006 | ND00633 | EV foam--RS | 1.0t*1500*15mm black_V1.0 | | pasted on the two sides of grille |
| -0007 | ND00701 | EV FOAM | 1370*15*2.0mm | | pasted on the woofer |
| +0008 | MG01030 | Screw-RS | M3*20 | | lock the grille*8 |
| -0009 | MG00350 | screw-RS | M5*30 | | lock the woofer*8 |
| +0010 | MG00351 | screw-RS | M4*16 | | fix the amp and cabinet*8 |
| -0011 | HK17710 | PC board | P-TS212 Logo LED-DIP | | to fix the logo |
| I -0001 | HK17709 | PC board | P-TS210 LED--SMD | | |
| I I -0001 | HB04153 | PCB-RS | TS212 LOGO LED (4*8)_VER150908 | | |
| I I -0002 | SE00270 | SMD L.E.D | blue MS-PTB414SUBC | LED1 | |
| I I -0003 | AE00553 | SenJu solder paste | M705-GRN360-K2-V 0.5KG/bottle | | |
| I -0002 | HC00253 | connector(male) | 2P 2.0mm 180° | CN1 | |
| I -0003 | AC00603 | lead free soldering bar | S100 | | |
| -0012 | NI07597 | LED lens | TS212 16.69*10.32*8.15_V1.1 | | |
| +0013 | HA04308 | header wiring | 2P-2P 700mm UL1007 26AWG red/white | | connect the LED of logo |
| -0014 | NA00923 | PE bag-RS | 0.035t*1300*1500mm12 hole | | speaker*1, guarantee*1, carton*2 |

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|-------|---------|----------------------------|---------------------------------------|---|--|
| └0015 | NA00858 | PE bag-RS | 0.04t*240*160mm_V1.0 | | pack the user manual and guarantee |
| └0016 | NA01719 | sponge barrier | TS218S_V1.0 | | |
| └0017 | NE27063 | label | TS218S_V1.0 | | Inside and outside*1, carton *1, user manual*1 |
| └0018 | NE27071 | label | TS218S_V1.0 | | speaker*1 |
| └0001 | NI00015 | membrane | 0.04*1M | | |
| └0002 | NH00012 | bond paper | 0.04*1M | | |
| └0019 | NF03534 | assurance card-RS | ALTO PROFESSIONAL_V2.0 | | |
| └0020 | HK18379 | Faceplate | TS218S_ALTO_220-240V_CHINA_(NUMARK) | | fixed to the back of the cabinet |
| └0001 | HA01271 | single terminal wiring | 60 (PC250,PC187) | | SW TO AC Jack |
| └0002 | HA01287 | wire-RS | 60mm UL1015 18AWG blue | | SW TO AC Jack |
| └0003 | HA03186 | wire | 100mm UL1015 14AWG | | GND |
| └0004 | HA04141 | wire | 100mm UL1015 18AWG blue | | AC SW to AC Jack |
| └0005 | HA04143 | wire | 100mm UL1015 18AWG brown | | AC SW to AC Jack |
| └0006 | HC00331 | AC socket | RF-2004 | | |
| └0007 | HD00013 | glass tube fuse | 3.15A 250V ϕ 5*20mm CSA/S/UL/VDE | | |
| └0008 | HI00475 | power switch-RS | 2*2P RF-1003-BBA8E2X1T | | |
| └0009 | ME00016 | color nut | 4m/m | | GND |
| └0010 | MF00014 | washer | ϕ 3* ϕ 6.5*0.5t | | AMP*6 |
| └0011 | MF00038 | washer-RS | ϕ 4* ϕ 7*1t | | GND |
| └0012 | MF00048 | washer-RS | ϕ 4* ϕ 8*0.5t | | GND |
| └0013 | MG00061 | screw-RS | M3*10(加硬處理) | | MIC*8, sealed box*16 |
| └0014 | MG00162 | screw | M3*8 | | AMP*6 |
| └0015 | MG00163 | screw | M3*8 | | fix the soldering tag*1, PRE GND*1 |
| └0016 | NI01862 | key | 5.5*5.5*14.5_V1.1 | | |
| └0017 | NI06123 | key | 9.2*9.2*7.3(3.3*3.3)_V1.0 | | |
| └0018 | HK18369 | PC board | P-TS218 SUB-PRE-DIP | | |
| └0001 | HC00253 | connector(male) | 2P 2.0mm 180° | CN4 | |
| └0002 | HC00392 | balance MIC jack-RS | JY-5030-030G 180° | JK1,JK2 | |
| └0003 | HC01212 | balance MIC jack-RS | K6X01V-6-3A | J1,J2 | |
| └0004 | HI00162 | push-button switch | 2 paragraphs 6p PS-22E8552L | SW2,SW3 | |
| └0005 | HI00163 | push-button switch | 2 stage 12P PS-42E85 | SW1 | |
| └0006 | NI02532 | LED spacer support | LEDs-22 22mm | | |
| └0007 | RC01034 | Potentiometer-RS | 30A103-Q1-FA265B120-10K L26.5FCx12 | VR1 | |
| └0008 | SA00051 | L.E.D | ϕ 3 orange,green 28/30/32mm | DL5 | |
| └0009 | SA00052 | L.E.D | ϕ 3 round(green)long foot 26 | DL1,DL2 | |
| └0010 | SA00053 | L.E.D | ϕ 3 round(red)long foot 26mm | DL4 | |
| └0011 | SA00054 | L.E.D | 3m/m round(yellow)long foot 26 | DL3 | |
| └0012 | AC00603 | lead free soldering bar | S100 | | |
| └0013 | HK18373 | PC board | P-TS218 SUB-PRE-AI | | |
| └0001 | CB00192 | electrolytic capacitor | 10uF/16V ϕ 4*7mm | C1,C2,C3,C6,C7,C35,C36,C37,C38,C42,C70 | |
| └0002 | CB00193 | electrolytic capacitor | 47uF/16V ϕ 6*7mm | C51,C52,C53 | |
| └0003 | CB00251 | electrolytic capacitor | 220UF/25V ϕ 8*11mm | C103,C104 | |
| └0004 | CB00262 | electrolytic capacitor | 47uF/16V NP ϕ 6.3*11mm | C100 | |
| └0005 | HK18371 | PC board | P-TS218 SUB-PRE-SMD | | |
| └0006 | RD00059 | SMD fixed resistor 1/10W | 0.0 Ω \pm 5% 0603 | C36,C37,R111,R112,TS21 | |
| └0007 | RD00075 | SMD fixed resistor 1/10W | 300 Ω \pm 5% 0603 | R44,R45,R46,R47 | |
| └0008 | RD00135 | SMD fixed resistor 1/4W | 330 Ω \pm 5% 1206 | R134 | |
| └0009 | RD00203 | SMD precise resistor 1/10W | 2.00K Ω \pm 1% 0603 | R81,R82,R83,R84 | |
| └0010 | RD00209 | SMD precise resistor 1/10W | 4.99K Ω \pm 1% 0603 | R38,R39,R96,R98 | |
| └0011 | RD00204 | SMD precise resistor 1/10W | 2.49K Ω \pm 1% 0603 | R97 | |
| └0012 | RD00210 | SMD precise resistor 1/10W | 5.11K Ω \pm 1% 0603 | R114,R115 | |
| └0013 | RD00214 | SMD precise resistor 1/10W | 10.0K Ω \pm 1% 0603 | R1,R2,R3,R4,R5,R8,R9,R36,R37,R40,R41,R42,R43,R102,R103,R104,R105,R106,R10,R11,R75,R76,R16,R17,R19,R130,R57,R59,R60,R61,R62,R63,R64,R65,R66,R67,R86,R87,R88,R8 | |
| └0014 | RD00302 | SMD precise resistor 1/10W | 28.0K Ω \pm 1% 0603 | R6,R7 | |
| └0015 | RD00215 | SMD precise resistor 1/10W | 13.0K Ω \pm 1% 0603 | R137,R138 | |
| └0016 | RD00216 | SMD precise resistor 1/10W | 13.3K Ω \pm 1% 0603 | R80 | |
| └0017 | RD00219 | SMD precise resistor 1/10W | 20.0K Ω \pm 1% 0603 | R107,R108 | |
| └0018 | RD00224 | SMD precise resistor 1/10W | 100K Ω \pm 1% 0603 | R121 | |
| └0019 | RD00272 | SMD precise resistor 1/10W | 10.0 Ω \pm 1% 0603 | R85 | |
| └0020 | RD00282 | SMD precise resistor 1/10W | 1.00K Ω \pm 1% 0603 | R118,R133 | |
| └0021 | RD00289 | SMD precise resistor 1/10W | 8.06K Ω \pm 1% 0603 | R12,R13 | |
| └0022 | RD00290 | SMD precise resistor 1/10W | 47.5K Ω \pm 1% 0603 | R48,R49,R50,R51 | |
| └0023 | RD00293 | SMD precise resistor 1/10W | 17.4K Ω \pm 1% 0603 | R109 | |
| └0024 | RD00300 | SMD precise resistor 1/10W | 6.04K Ω \pm 1% 0603 | R55 | |
| └0025 | RD00328 | SMD precise resistor 1/10W | 8.66K Ω \pm 1% 0603 | R72,R110 | |
| └0026 | RD00330 | SMD precise resistor 1/10W | 39.0K Ω \pm 1% 0603 | R129 | |
| └0027 | RD00334 | SMD precise resistor 1/10W | 11.0K Ω \pm 1% 0603 | R94,R120 | |
| └0028 | RD00339 | SMD precise resistor 1/10W | 47.0K Ω \pm 1% 0603 | R22,R23,R24,R25,R26,R28,R30,R31,R33,R34,R35 | |
| └0029 | RD00344 | SMD precise resistor 1/10W | 11.5K Ω \pm 1% 0603 | R95,R117 | |
| └0030 | RD00362 | SMD precise resistor 1/10W | 953 Ω \pm 1% 0603 | R32 | |
| └0031 | RD00363 | SMD precise resistor 1/10W | 3.16K Ω \pm 1% 0603 | R52 | |
| └0032 | RD00367 | SMD precise resistor 1/10W | 15.4K Ω \pm 1% 0603 | R122 | |
| └0033 | RD00368 | SMD precise resistor 1/10W | 16.5K Ω \pm 1% 0603 | R54 | |
| └0034 | RD00371 | SMD precise resistor 1/10W | 51.1K Ω \pm 1% 0603 | R53 | |
| └0035 | RD00386 | SMD precise resistor 1/10W | 4.75K Ω \pm 1% 0603 | R90 | |
| └0036 | RD00415 | SMD precise resistor 1/10W | 4.70K Ω \pm 1% 0603 | R125,R126,R131 | |
| └0037 | RD00457 | SMD precise resistor 1/10W | 150K Ω \pm 1% 0603 | R101 | |
| └0038 | RD00497 | SMD precise resistor 1/10W | 36.5K Ω \pm 1% 0603 | R92 | |

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|---------|-----------------------------------|---|---|-----------------|
| RD00544 | SMD precise resistance 1/10W | 22Ω±1% 0603 | R127 | |
| RD00545 | SMD precise resistance 1/10W | 49.9Ω±1% 0603 | R99,R100 | |
| RD00550 | SMD precise resistor 1/10W | 27.0K Ω ±1% 0603 | R132 | |
| RD00709 | SMD precise resistor-RS | 1.37K Ω±1% 0603 | R128 | |
| RD00721 | SMD fixed resistor-RS 1/10W | 22.1K Ω ±1% 0603 | R124 | |
| RD00856 | SMD fixed resistor-RS 1/10W | 23.2K Ω ±1% 0603 | R77 | |
| RD00859 | SMD fixed resistor-RS 1/10W | 9.09K Ω ±1% 0603 | R116 | |
| RD00870 | SMD precise resistor-RS 1/10W | 10.2K Ω ±1% 0603 | R78 | |
| RD00894 | SMD fixed resistor-RS 1/10W | 46.4K Ω ±1% 0603 | R20,R27 | |
| RD00928 | SMD precise resistor 1/10W | 22.0K Ω ±1%0603 | R123 | |
| RD00959 | SMD precise resistor 1/10W | 16.90K Ω±1% 0603 | R93 | |
| RD00967 | SMD resistance 1/8W | 6.98K Ω ±1% 0805 | R14,R15 | |
| RD01038 | SMD fixed resistor-RS 1/10W | 40.2K Ω ±1% 0603 | R21,R29 | |
| RD01040 | SMD fixed resistor-RS 1/10W | 16.2K Ω ±1% 0603 | R79 | |
| RD01115 | SMD precise resistor 1/16W | 3.0K Ω ±1% 0603 | R113 | |
| CI00051 | SMD ceramic capacitor 0603 | 22PF/50V COG±5%(C1608C0G1H220JT)/TDK | C8,C9,C10,C11,C12,C13,C22,C23,C24,C25,C26,C27,C28,C29,C30,C31,C32,C33,C34,C43,C44 | |
| | | | C54,C62 | |
| | | | C101 | |
| | | | C40,C41,C49,C50,C61,C80 | |
| CI00175 | SMD ceramic capacitor 0603 | 0.1uF/16V X7R±10%(C1608X7R1C105KT)/TDK | C69,C71,C72,C73,C74,C75,C76,C77,C78,C81,C82,C83,C84,C85,C86,C87,C88,C89,C90,C91,C92,C93,C94,C95,C96,C111,C112,C113,C114,C115,C116,C117,C118,C119,C120,C121,C122,C123,C124,C125,C126,C127,C128,C66,C98,C | |
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| CI00202 | SMD ceramic capacitor 0603 | 0.015uF/50V ±10%(C1608X7R1H153KT)/TDK | C60 | |
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| CI00207 | SMD ceramic capacitor 0603 | 0.056uF/50V ±10%(C1608X7R1H563KT)/TDK | C59 | |
| CI00209 | SMD ceramic capacitor 0603 | 0.082uF/50V ±10%(C1608X7R1H823KT)/TDK | C63,C64 | |
| CI00211 | SMD ceramic capacitor 0603 | 0.15uF/25V X7R±10%(C1608X7R1E154KT)/TDK | C55 | |
| CI00220 | SMD ceramic capacitor 0603 | 220PF/50V COG ±5%(C1608C0G1H221JT)/TDK | C65 | |
| CI00224 | SMD ceramic capacitor 0603 | 470PF/50V COG ±5%(C1608C0G1H471JT)/TDK | C102 | |
| CI00330 | SMD ceramic capacitor-RS 0805 | 10uF/16V±10%(GRM21BB31C106K)(MURATA) | C4,C5 | |
| CI00349 | SMD ceramic capacitor 0805 | 4.7uF/25V X5R ±10% | C47,C48,C97 | |
| CI00404 | SMD ceramic capacitor-RS-ACT 0603 | 0.47uF/16V (GRM188B31C474KA87D)(Murata) | C67,C68,C79 | |
| CO00168 | SMD inductance-RS-ACT | 1000 Ω ±25%(BLM188K102SN1D) | L1,L2,L3,L4,R135,R136 | |
| SF00038 | transistor | RK7002(ROHM) | TR1 | |
| SF00053 | transistor | MMBT3906(SOT23)/(PHI) | TR2 | |
| SG00033 | SMD integrated circuit | LM358DT(SO8)/(ST) | U18 | |
| SG00122 | SMD integrated circuit-RS-ACT | NJM4580M-TE3(DMP8)(JRC) | U1,U2,U3,U4,U5,U6,U7,U8,U10,U11,U12,U15,U16,U9,U13,U19 | |
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| SG00194 | SMD integrated circuit | NJM13600M-TE1(DMP16)/(JRC) | U14 | |
| SG00306 | SMD integrated circuit | LM393DR(TI)(MEXICO) | U17,U20 | |
| AE00553 | SenJu solder paste | M705-GRN360-K2-V 0.5KG/bottle | | |
| SE00177 | SMD rectifier diode-RS | 0.5A LL4148(SOD-80)(VISHAY) | D2,D3,D4 | |
| SE00155 | SMD Schottky barrier diode-RS-ACT | BAT 64-04(SOT-23)(INFINEON) | D1 | |
| SE00243 | SMD zener diode-RS | 1/2W 12V MMSZ5242A(SOD123)/PANJIT | ZD1,ZD2,ZD3,ZD4,ZD5,ZD6,ZD7,ZD8 | |
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| RD01167 | SMD precise resistor 1/10W | 127K Ω ±1% 0603 | R56 | |
| HB04398 | PCB | TS2 SUB PRE(1*2)_VER160525 | | |
| CF00155 | metal-film capacitor MSC | 0.22uF/63V 5% CASE02 | C39 | |
| CF00191 | metal-film capacitor MSC | 0.33uF/63V 5% CASE02 | C58 | |
| CF00183 | metal-film capacitor MSC | 0.1uF/100V 5% CASE01 | C14,C15,C16,C17,C18,C19,C20,C21,C129,C130 | |
| CB00038 | electrolytic capacitor | 47uF/16V ϕ 5*7mm | R58 | |
| HC00258 | connector(male) | 7P 2.0mm 180° | CN3 | |
| HK18332 | PC board | P-DM 300W+300W_DIP | | |
| RA00031 | metal-oxide-film resistor 2W | 10 Ω P type | R41,R42 | |
| RA00051 | metal-oxide-film resistor 2W | 5.6 Ω | R65,R66 | |
| NI00268 | sleeve | ϕ 6*20mm PGNS1008ZA/J1_P_C | R40 | |
| NI00266 | sleeve | ϕ 6*1000mm | | |
| MG00162 | screw | M3*8 | | AMP*9 |
| MG00566 | screw | M3*10*0.5PH_V1.0 | | IC*2+shrapnel*9 |
| HC00088 | connector(male) | 2P 3.9mm 180°(#3921) | J3 | |
| HC00174 | connector(male) | 4P 3.96mm 180° | J5 | |
| HC00258 | connector(male) | 7P 2.0mm 180° | J4 | insert near L16 |
| HA01933 | jump | 2.5mm | BR1 | |
| HC00324 | connect terminal | 6.5m/m (PC250) | J1,J2 | |
| CB00151 | electrolytic capacitor | 220uF/63V ϕ 10*16mm | C98,C99 | |
| CN00069 | inductance-EMI SUPPRESSOR-RS-ACT | TB36-13-850485 | L1,L2,L5,L12 | |
| CG00023 | X1/Y1 capacitor | 0.0022uF/250VAC Y5U | C6,C7,C8,C10,C11 | |
| MK00103 | spring piece | 0.5*22.67*6.5*42.5_V1.0 | | Lock MOS TUBE |
| CB00295 | electrolytic capacitor | 820uF/180V ϕ 25*35 | C13,C14 | |
| NI04253 | sleeve-RS | ϕ 28*50M T-2 | | MK00103 |
| SD00317 | integrated circuit | NJM7912FA(TO220F)(JRC) | U2 | |
| ME00226 | screw-RS | M3*0.5PH | | IC*2+shrapnel*9 |
| SA00316 | bridge rectifier-RS | 8A GBU-8K/(PANJIT) | D12 | |
| NC01179 | insulator spacer-RS | 0.13*40mm*55mm(HI-FLOW-625) | | stick on Q1, Q5 |
| CB00335 | electrolytic capacitor-RS | 1000uF/16V ϕ 8*20mm | C89,C90 | |
| RA01063 | metal-oxide-film resistor 3W | 0.1 Ω ±2% P type | R40 | |

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|------|---|------|---------|-------------------------------|---|---|------------------------|
| 1 | 1 | 0023 | RH00033 | thermistor-RS-CT | 5Ω B57235S-0509M000(EPCOS) | R6 | |
| 1 | 1 | 0024 | SD00380 | integrated circuit-RS | NJM7812FA(TO220F)(JRC) | U1 | |
| 1 | 1 | 0025 | AC00603 | lead free soldering bar | S100 | | |
| 1 | 1 | 0026 | SB00284 | transistor-RS | IRFB4020PBF(TO220AB)(IR) | Q6,Q7,Q8,Q9 | |
| 1 | 1 | 0027 | NC04098 | insulator spacer-RS | 0.13t*27.5*40mm(HI-FLOW-625) | | stick on Q6, Q7/Q8, Q9 |
| 1 | 1 | 0028 | ND01210 | cushion-RS | 8t*45*10mm(E-4382) | | stick on C13/C14 |
| 1 | 1 | 0029 | CB00436 | electrolytic capacitor-RS | 1000uF/63V LSR φ 16*25mm | C28,C31,C32,C64 | |
| 1 | 1 | 0030 | CF00277 | metal-film capacitor-RS | 0.22uF/100V C242A224K2SC000(Fara) | C52,C53 | |
| 1 | 1 | 0031 | CB00438 | electrolytic capacitor-RS | 470uF/25V LSR φ 8*20mm | C1,C2 | |
| 1 | 1 | 0032 | CF00284 | metal-film capacitor-RS | 0.1uF/630V C822J104J60C000(Fara) | C26 | |
| 1 | 1 | 0033 | RH00037 | thermistor-RS-ACT | 330Ω PTFLO4BG222Q2N34B0(MURATA) | PR200 | |
| 1 | 1 | 0034 | CF00279 | metal-film capacitor-RS | 1.0uF/250V C322E105J60C000(Fara) | C50,C51 | |
| 1 | 1 | 0035 | SB00369 | Transistor-RS | FDP18N50(TO220)/FAIRCHILD | Q1,Q5 | |
| 1 | 1 | 0036 | CN00359 | inductance | 5.0mH φ 0.7*30T | L3,L4 | |
| 1 | 1 | 0037 | CG00126 | X2 capacitor-RS | 0.33uF/275V ±10%(C42P2334K6SC000)(FARA) | C9,C12 | |
| 1 | 1 | 0038 | TC00585 | Transistor | PT-DM 350W+175W(ER35)_230V | T1 | |
| 1 | 1 | 0039 | NI07555 | insulator | TT12 0.5t*95*93_V1.0 | | |
| 1 | 1 | 0001 | NI04630 | film-RS-CT | 450*605*0.5mm 0.184kg_V1.0 | | |
| 1 | 1 | 0040 | CG00130 | X2 capacitor | 0.47uF/305V 20%(C42Q2474M6HC000)(FARA) | C5 | |
| 1 | 1 | 0041 | HA01919 | jump | 5mm | PR1,R110 | |
| 1 | 1 | 0001 | HA02249 | wire | φ 0.6 鍍錫 | | |
| 1 | 1 | 0042 | MI06323 | heat-shassis | TS212 2t*40*100*206_V1.2 | | |
| 1 | 1 | 0001 | ME00221 | iron pillar | M3*8*0.5PH_V1.1 | | |
| 1 | 1 | 0002 | MI00055 | AL plate-RS | 2*2000*1000 10.88kg | | |
| 1 | 1 | 0043 | CN00372 | Inductance | 22uH T94-2 | L8,L9 | |
| 1 | 1 | 0044 | HK18335 | PC board | P-DM 300W+300W_AI | | |
| 1 | 1 | 0001 | CB00112 | electrolytic capacitor | 10uF/35V 105°C φ 4*7mm 2.5mm | C95 | |
| 1 | 1 | 0002 | CF00183 | metal-film capacitor MSC | 0.1uF/100V 5% CASE01 | C79,C80 | |
| 1 | 1 | 0003 | CB00188 | electrolytic capacitor | 10uF/63V φ 5*11mm 2.5mm | C37 | |
| 1 | 1 | 0004 | CB00034 | electrolytic capacitor | 33uF/16V φ 5*11mm 2.5mm | C83,C84 | |
| 1 | 1 | 0005 | CC00074 | mylar capacitor-RS-ACT | 0.01uF/100V 3% | C27 | |
| 1 | 1 | 0006 | CA00131 | ceramic capacitor-RS | 0.01uF/1000V Z5U | C15,C16,C25 | |
| 1 | 1 | 0007 | CB00409 | electrolytic capacitor-RS | 22uF/16V 105°C φ 5*11mm | C45,C46 | |
| 1 | 1 | 0008 | CB00469 | electrolytic capacitor-RS | 100uF/16V LSR 105°C φ 5*11mm | C34,C35,C38,C3,C4 | |
| 1 | 1 | 0009 | HK18333 | PC board | P-DM 300W+300W_SMD | | |
| 0001 | 1 | 0001 | SF00083 | transistor | MMBT5551LT1G(SOT23)(ON) | Q4 | |
| 0002 | 1 | 0001 | RD00298 | SMD precise resistor 1/10W | 47.0Ω ±1% 0603 | R23 | |
| 0003 | 1 | 0001 | SE00012 | SMD rectifier diode-RS | BAV103(PHI) | D15,D16,D22,D23 | |
| 0004 | 1 | 0001 | SG00122 | SMD integrated circuit-RS-ACT | NJM4580M-TE3(DMP8)(JRC) | U5 | |
| 0005 | 1 | 0001 | SE00054 | SMD L.E.D | yellow 19-21UYC/SS30-A2/TR8 | DS1,DS2 | |
| 0006 | 1 | 0001 | RD00327 | SMD precise resistor 1/10W | 8.20K Ω ±1% 0603 | R75,R76 | |
| 0007 | 1 | 0001 | RD00355 | SMD fixed resistor 1/10W | 4.7Ω ±5% 0603 | R79,R80 | |
| 0008 | 1 | 0001 | RD00214 | SMD precise resistor 1/10W | 10.0K Ω ±1% 0603 | R10,R24,R25,R59,R60,R100,R30 | |
| 0009 | 1 | 0001 | RD00059 | SMD fixed resistor 1/10W | 0.0Ω ±5% 0603 | R109 | |
| 0010 | 1 | 0001 | RD00209 | SMD precise resistor 1/10W | 4.99K Ω ±1% 0603 | R73,R74 | |
| 0011 | 1 | 0001 | RD00224 | SMD precise resistor 1/10W | 100K Ω ±1% 0603 | R9,R12,R13,R14,R26,R27 | |
| 0012 | 1 | 0001 | RD00460 | SMD precise resistor 1/10W | 560Ω ±1% 0603 | R64 | |
| 0013 | 1 | 0001 | RD00466 | SMD precise resistor 1/4W | 2.0K Ω ±1% 1206 | R35,R36,R102,R103 | |
| 0014 | 1 | 0001 | RD00255 | SMD precise resistor 1/4W | 100K Ω ±1% 1206 | R7,R8 | |
| 0015 | 1 | 0001 | RD00506 | SMD precise resistor 1/10W | 3.30K Ω ±1% 0603 | R77,R78,C72 | |
| 0016 | 1 | 0001 | RD00512 | SMD precise resistor 1/10W | 180K Ω ±1% 0603 | R92 | |
| 0017 | 1 | 0001 | RD00219 | SMD precise resistor 1/10W | 20.0K Ω ±1% 0603 | R71,R72 | |
| 0018 | 1 | 0001 | RD00399 | SMD precise resistor 1/4W | 10.0K Ω ±1% 1206 | R57,R58 | |
| 0019 | 1 | 0001 | RD00282 | SMD precise resistor 1/10W | 1.00K Ω ±1% 0603 | R21,R39,R63,R91 | |
| 0020 | 1 | 0001 | RD00272 | SMD precise resistor 1/10W | 10.0Ω ±1% 0603 | R45,R49,R50,R61,R62,R67,R68,R81,R82,R83,R84 | |
| 0021 | 1 | 0001 | RD00274 | SMD precise resistor 1/10W | 100Ω ±1% 0603 | R69,R70 | |
| 0022 | 1 | 0001 | RD00414 | SMD precise resistor 1/10W | 3.90K Ω ±1% 0603 | R28,R22 | |
| 0023 | 1 | 0001 | RD00385 | SMD precise resistor 1/10W | 3.01K Ω ±1% 0603 | R47,R48 | |
| 0024 | 1 | 0001 | RD00415 | SMD precise resistor 1/10W | 4.70K Ω ±1% 0603 | R85,R86 | |
| 0025 | 1 | 0001 | RD00400 | SMD fixed resistor 1/4W | 220Ω ±5% 1206 | R1,R17 | |
| 0026 | 1 | 0001 | RD00525 | SMD precise resistor 1/10W | 33.0K Ω ±1% 0603 | R55,R56 | |
| 0027 | 1 | 0001 | RD00303 | SMD precise resistor 1/10W | 57.6K Ω ±1% 0603 | R33,R34 | |
| 0028 | 1 | 0001 | RD00200 | SMD precise resistor 1/10W | 150Ω ±1% 0603 | R46 | |
| 0029 | 1 | 0001 | CI00096 | SMD ceramic capacitor 0603 | 560PF/50V NPO ±5% | C20 | |
| 0030 | 1 | 0001 | CI00145 | SMD ceramic capacitor 0805 | 0.0015uF/50V X7R ±10% | C60,C61,C62,C63,C67,C68 | |
| 0031 | 1 | 0001 | CI00154 | SMD ceramic capacitor 1206 | 0.1uF/100V X7R ±10% | C33,C69 | |
| 0032 | 1 | 0001 | CI00185 | SMD ceramic capacitor 0603 | 0.1uF/50V X7R±10%(C1608X7R1H104KT)/TDK | C29,C30,C56,C57,C81,C82,C91,C92,C93,C94,C19 | |
| 0033 | 1 | 0001 | CI00179 | SMD ceramic capacitor 0603 | 0.22uF/25V X7R±10%(C1608X7R1E224KT)/TDK | C44 | |
| 0034 | 1 | 0001 | CI00195 | SMD ceramic capacitor 1206 | 4.7uF/25V Y5V (GRM31CB11E475ZA01D) | C65,C66,C70,C71,C85,C86,C87,C88,C36,C24 | |
| 0035 | 1 | 0001 | CI00206 | SMD ceramic capacitor 0603 | 0.047uF/50V ±10%(C1608X7R1H473KT)/TDK | C18,C49 | |
| 0036 | 1 | 0001 | CI00201 | SMD ceramic capacitor 0603 | 0.01uF/50V ±10%(C1608X7R1H103KT)/TDK | C58,C59 | |
| 0037 | 1 | 0001 | CI00051 | SMD ceramic capacitor 0603 | 22PF/50V COG±5%(C1608COG1H220JT)/TDK | C43 | |
| 0038 | 1 | 0001 | CI00220 | SMD ceramic capacitor 0603 | 220PF/50V COG ±5%(C1608COG1H221JT)/TDK | C39,C42 | |
| 0039 | 1 | 0001 | SF00082 | transistor-RS-ACT | MMBT5401LT1G(SOT23)(ON) | Q3 | |
| 0040 | 1 | 0001 | RD00541 | SMD precise resistance 1/10W | 0Ω ±1% 0603 | | 350W+175W |
| 0041 | 1 | 0001 | RD00596 | SMD precise resistor-RS 1/4W | 10.0Ω ±1% 1206 | R37,R38,R96,R99 | |
| 0042 | 1 | 0001 | CI00269 | SMD ceramic capacitor-RS 1206 | 1.0uF/25V X7R ±10% | C23,C41 | |
| 0043 | 1 | 0001 | SE00089 | SMD zener diode-RS | 1/2W 5.1V(MMSZ5231B)(SOD-123)(PANJIT) | D5,D19 | |
| 0044 | 1 | 0001 | RD00636 | SMD precise resistor-RS 1/4W | 47.0K Ω ±1% 1206 | R18,R52 | |
| 0045 | 1 | 0001 | SE00098 | SMD zener diode-RS-C | 1W 15V DL4744A MELF(SI) | D14 | |

| | | | | |
|---------|--------------------------------------|---|---|-------------------------------------|
| SG00495 | SMD integrated circuit-RS | IR2156SPBF(SO14)/(IR) | U3 | |
| C100279 | SMD ceramic capacitor-RS 1206 | 0.0022uF/200Vx7R±10% | R94 | |
| C100306 | SMD ceramic capacitor-RS | 1.0uF/25V X7R ±10% | C21,C22 | |
| AE00553 | SenJu solder paste | M705-GRN360-K2-V 0.5KG/bottle | | |
| RD00697 | SMD precise resistor-RS | 390.0Ω ±1% 0603 | R51 | |
| SE00133 | SMD zener diode-RS | 225mW 12V BZX84C12LT1G(SOT23) | D18 | |
| SE00134 | SMD rectifier diode-RS-ACT | 1A 600V MURS160T3G (SMB)/(ON) | D13 | |
| SG00667 | SMD integrated circuit-RS | IRS2092S(SOIC16N)/(IR) | U7,U8 | |
| C100328 | SMD ceramic capacitor-RS 1206 | 150PF/630V COG ±5%(C3216C0G2J151J)/TDK | C47,C48 | |
| SE00149 | SMD double-direct triy diode-RS | 1A/30V RB160M-30(ROHM) | D3,D4 | |
| RD00818 | SMD fixed resistor 2W | 2.2KΩ ±5% 2512 | R43,R44 | |
| RD00800 | SMD precise resistor 1/8W | 10.0Ω ±1% 0805 | R112,R113,R114,R115 | |
| SG00729 | SMD integrated circuit-RS-ACT | MC78M12CDTRKG(DPAK-3)/(ON) | U4 | |
| SE00156 | SMD diode-RS-ACT | 1A/200V ES1D(SMA)/(FAIRCHILD) | D1,D2,D20,D21,D28 | |
| C100356 | SMD ceramic capacitor 1206 | 0.1uF/250V X7R ±10%(GRM31CR72E104KW03L) | C73,C74,C75,C76,C77,C78,R104,R105,R106,R107 | |
| SE00161 | SMD diode-RS | 2A/200V ER2D 35nS(DO214AA)/(PANJIT) | D29,D30,D31,D32,D33,D34,D35,D36 | |
| CO00168 | SMD inductance-RS-ACT | 1000Ω ±25%(BLM18RK102SN1D) | L6,L7,L10,L11,L14,L15,L16,L17,L13 | |
| C100366 | SMD ceramic capacitor 0805 | 220PF/250V COG ±5% | C100,C101,C102,C103 | |
| C100387 | SMD ceramic capacitor-RS | 0.0022uF/250V X7R ±10% | C54,C55 | |
| SE00177 | SMD rectifier diode-RS | 0.5A LL4148(SOD-80)/(VISHAY) | D10,D11,D24,D25,D26,D27 | |
| SE00189 | SMD diode-RS-ACT | 8A/200V STTH802B-TR (DPAK)/(ST) | BD1,BD2,BD3,BD4 | |
| RD00945 | SMD resistance 1/4W | 1.0Ω ±1% 1206 | R87,R88 | |
| RD00957 | SMD precise resistor 1/10W | 4.3KΩ ±1% 0603 | R31,R32 | |
| RD00293 | SMD precise resistor 1/10W | 17.4KΩ ±1% 0603 | R29 | |
| RD01001 | SMD precise resistance 1/10W | 24KΩ ±1% 0603 | R53,R54 | |
| HB04061 | PCB | DM 400W+200W_VER150720 | | |
| SB00379 | Photodiode | LTV-817S-TA1-C(LITEON)/ | U6 | |
| RD00123 | SMD fixed resistor 1/10W | 470KΩ ±5% 0603 | R2,R3,R4,R5 | |
| MC01371 | top cover | TS212 1.5*19.5*95.6*163_V1.0 | | |
| MJ00069 | iron board | 1.5*2135*1220 30.67kg | | |
| MG00269 | screw-RS | M3*6 | | fix the top cover |
| NI00218 | cable tie | ALT-102SB | | |
| ND01444 | EV foam | 0.5*650*3mm_V1.0 | | pasted on the sealed box |
| NI02527 | knob-RS | φ 14*13mm_V1.3 | | |
| MA11190 | panel | TS218S ALTO CHINA_V1.1 | | |
| MA11187 | panel | TS 212 SUB 2t*235*268 | | |
| AE00055 | solvent | solvent | | |
| AE00201 | . | 5041 | | |
| MA11186 | panel | TS 212 SUB 2t*235*268_V1.1 | | |
| ME00001 | screw pillar-RS | M4*10*0.7PH_V1.0 | | |
| ME00319 | iron pillar-RS-CT | 6.35*M3*26.5_V1.0 | | |
| ME00038 | iron pillar | 6.35*M3*8.4_V1.3 | | |
| MJ01580 | single light board-RS | 2.0*1850*1250mm 36kg | | |
| NI07837 | fixed bracket | TS 212 SUB 81*187.5*24.5_V1.0 | | |
| HA06363 | header wiring | 7P-7P 200mm UL1007 26AWG | | |
| NC04781 | Insulator | φ 7.5_ES503_DB | | stick to AC Jack |
| HA00861 | power cord Europe 3P | LT-312+LT-501 | | |
| NI02590 | cable tie | YJ-203V0 UL94V-0 | | fix the speaker wire*1 |
| NF04684 | user manual | TS2 SUB ALTO_V1.0 | | |
| NH00231 | paper | 889*554mm | | |
| NI00218 | cable tie | ALT-102SB | | LED wire*1 |
| ND01485 | sponge | 1t*15*13.7 black_V1.0 | | pasted on the LED support*1 |
| NB08876 | carton | TS218S ALTO_V1.0 | | |
| NE27161 | lable | TS218S_V1.0 | | stick to the right corner of grille |
| NI07857 | 3M VHB | 1t*31.3*26.4 (3M 4952)_V1.0 | | stick to the back of logo*2 |
| NI07836 | mark | TS 212 SUB 30.35*11.03*90.22_V1.0 | | |
| MD02089 | iron net | TS218SUB 1.2t*86.4*494.6*629_V1.0 | | |
| HA06368 | wire | 4P 280mm UL1007 18AWG | | |
| HA06369 | wire | 4P 280mm UL1007 18AWG | | |
| CN00283 | high frequency magnetism encircle-RS | φ 16*16 (742700752)/WURTH ELEKTRONIK | | |
| NE26801 | label | NUMARK SERIES_V1.0 | | pasted to the PE bags |
| NI02598 | membrane | 125mm | | |
| NI00068 | Scotch tape | 0.16*1M | | |