

SoundTouch[®] 30 Series III

Wi-Fi Music System



CONTENTS

Safety Information	3
Specifications	4
Part List Notes	5
Electrostatic Discharge Sensitive (ESDS) Device Handling	5
Warranty	5
Product Description	6
Packaging Part List	7
Figure 1. Packaging Exploded View	7
Speaker Assembly Part List	8
Figure 2. Speaker Assembly Exploded View	9
Electrical Part Lists	10-18
Disassembly Procedures	19-23
Top Cap, End Cap, Grille and Rear Cover Installation	24-25
Audio Test Procedures	26
Tap Command Set Up	27-28
WiFi PCB Replacement Settings	29
WiFi Test Procedure	30
Functional Test Procedures	31
Serial Number and Country Code Programming	32
TAP Commands	33-34
Back Door Key Presses	35
Hi-Pot Test	36
Revision History	37

SAFETY INFORMATION

1. Parts that have special safety characteristics are identified by the  symbol on schematics or by special notes on the parts list. Use only replacement parts that have critical characteristics recommended by the manufacturer.
2. **Safety Testing** – See Hi Pot Test on page 36 for details.

CAUTION: The Soundtouch® 30 Wi-Fi Music System contains no user-serviceable parts. To prevent warranty infractions, refer servicing to warranty service stations or factory service.

WARNING: Danger of explosion if remote battery is incorrectly replaced. Replace with only Duracell, Eveready, Energizer, Maxell or Toshiba CR2032 or DL2032 3-volt lithium battery.

PROPRIETARY INFORMATION

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF BOSE CORPORATION WHICH IS BEING FURNISHED ONLY FOR THE PURPOSE OF SERVICING THE IDENTIFIED BOSE PRODUCT BY AN AUTHORIZED BOSE SERVICE CENTER OR OWNER OF THE BOSE PRODUCT, AND SHALL NOT BE REPRODUCED OR USED FOR ANY OTHER PURPOSE.

SPECIFICATIONS

Electrical

Input Power Rating:

U.S.A/Canada/Japan 100-120VAC 50/60Hz, 150W

International: 220-240VAC 50/60Hz, 150W

Acoustic

Drivers:

Size: 2 - 50 mm Twiddler® speakers

Nominal Impedance: 4 Ohms

Port Tuning: 230 Hz

Woofer:

Size: 116mm

Nominal Impedance: 1 Ohm

Port Tuning: 47 Hz

Physical Description

Dimensions: 9.7"H x 17.1"W x 5.5"D (24.7 cm x 43.5 cm x 18.1 cm)

Weight: 18.5 lb (8.4 kg)

Enclosure: Ultrasonically welded PC/ABS plastic

ELECTROSTATIC DISCHARGE SENSITIVE (ESDS) DEVICE HANDLING

This unit contains ESDS devices. We recommend the following precautions when repairing, replacing or transporting ESDS devices:

- Perform work at an electrically grounded work station.
- Wear wrist straps that connect to the station or heel straps that connect to conductive floor mats.
- Avoid touching the leads or contacts of ESDS devices or PC boards even if properly grounded. Handle boards by the edges only.
- Transport or store ESDS devices in ESD protective bags, bins, or totes. Do not insert unprotected devices into materials such as plastic, polystyrene foam, clear plastic bags, bubble wrap or plastic trays.

WARRANTY

The SoundTouch® 30 III Digital Music Systems are covered by a one year limited warranty in the US/ Canada and the rest of the world with the exception of Europe. The warranty is two years in Europe.

PART LIST NOTES

1. The individual parts located on the PCBs are listed in the Electrical Part List.
2. This part is referenced for informational purposes only. It is not stocked as a repair part. Refer to the next higher assembly for a replacement part.
3.  This part is critical for safety purposes. Failure to use a substitute replacement with the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards.
4. The Variant, country code, region code and serial number must be set after replacing the WI-FI module. Refer to the procedures on page 32.
5. The OLED display is ESD sensitive. To reduce the chance of latent failures, take proper ESD precautions when handling.
6. Units built after 1/5/2016 used a new connector from HIROSE which is not compatible with earlier production units. Use the part with the connector type that matches the connector type used in the unit you are repairing.

PRODUCT OVERVIEW

PRODUCT DESCRIPTION

The SoundTouch® 30 III WiFi Music System is an elegant, stationary, wireless music system that contains wireless source capability as well as six press-and-play presets. Wi-Fi lets the SoundTouch system stream internet content directly from the cloud, connect to Bluetooth® devices, and play computer music. Wi-Fi makes it easy to use because it is always ready, enabling six press-and-play presets that give one button, instant access to advanced digital music. The SoundTouch 30 has the same premium performance of SoundDock 10 (SD10) in an enclosure that is slightly taller, but without the dock area, to accommodate the antennas for Wi-Fi.

SoundTouch 30 III WiFi Music System includes:

- + The same premium acoustic performance of SoundDock 10
- + The following source connections: Wi-Fi, and a 3.5mm Aux-In
- + A new, elegant industrial design that differentiates it from the SoundDock family
- + Physical buttons on the product (six presets, plus volume and power at a minimum)
- + A remote control with six presets, volume and transport controls as well as source selection

REMOTE CONTROL

An infrared remote control is included. It uses a CR2032 battery.



SOFTWARE UPGRADES

A thumb drive with a software file can be used to update the SoundTouch 30. the software file is available on the Technical Services website. Software updates are also available on Bose.com once the product is connected via SoundTouch software.

FACTORY DEFAULT

A factory default is required after the repair is complete. Press and hold “volume -” and “preset 1” at the same time for 10 seconds, then release to restore the unit to factory default settings. This will clear all customer router, password and Bose account information. A slip-sheet shall be added to every outgoing repair describing how to connect the product to the router and reconnect to the customers Bose account. The slip sheet will be available to download as a PDF on the Technical Services website.

PACKAGING PART LIST

Bose® SoundLink® 30 III Wi-Fi Music System

Item Number	Description	Part Number	Note
1	LETTER, COMMITMENT	343108-0010	
2	PACKING, TRAY, PULP, BOT, 25.8X21.5X6IN, ST30	355081-0010	
3	GLOBAL WARRANTY CARD, 1 YR	324486-0010	
	AU/NZ WARR SLIP SHEET 8.5 X 5.5, AP only	355731-0010	
4	CABLE, SIGNAL, USB, MICRO/USB-A, MALE, 36IN	330816-0010	
5	LINE CORD, 120V, NON-POL, DET, BLK, 1500	279101-1310	3, ⚠
	LINE CORD, 220V, EUR, DET, BLK	280135-1310	
	LINE CORD, 100V, JPN, DET, BLK	280136-1310	
	LINE CORD, 230V, UKS, DET, BLK	280138-1310	
	LINE CORD, 230V, KOREA, BLK	311668-1310	
	LINE CORD, 240V, AUS, DET, BLK	284243-1310	
6	PACKING, TRAY, PULP, TOP, 22.3X21.5X4.3, ST30	355080-0010	
7	CARTON,RSC,ST30,BLK,WW	369847-0030	
	CARTON,RSC,ST30,WHT,WW	369847-0050	

Item Number	Description	Part Number	Note
8	REMOTE,IR,STCH20-30 III,BLK	355239-0040	3, ⚠
	REMOTE,IR,STCH20-30 III,WHT	355239-0030	
9	BAG, FOAM, PE, 23X17X.08IN, 2.5IN LIP	355086-0010	
10	PAD, PACKING, DC, 200B, 13.87X8.25IN, ST30	361847-0010	
-	PACKING, INSERT, SCORED SHEET, 17.25X9.75IN (protects the grille)	627044-0010	
-	BAG,POLY,14.38x9.87x2 mil	103351	
-	CONTACT SHEET, SOUNDTOUCH, US	373202-0010	
-	CONTACT SHEET, SOUNDTOUCH, EU	372836-0010	
-	CONTACT SHEET, SOUNDTOUCH, AP	372837-0010	
-	QSG, ST30 SIII, AST+EUR1	747466-0010	
	QSG, ST30 SIII, ENG, TCH	747472-0010	
	QSG, ST30 SIII, AST+EUR1	747466-0010	
	QSG, ST30 SIII, EUR2	747468-0010	
	QSG, ST30 SIII, EUR3	747469-0010	
	QSG, ST30 SIII, APAC2 (JP)	747471-0010	
	QSG, ST30 SIII, APAC1	747470-0010	
	QSG, ST30 SIII, APAC2	747471-0010	
-	SHEET, SAFETY, ST30,20, SIII WIRELESS, MS	369732-0010	
-	LABEL, CARTON, SOUNDTOUCH 30	729308-0020	

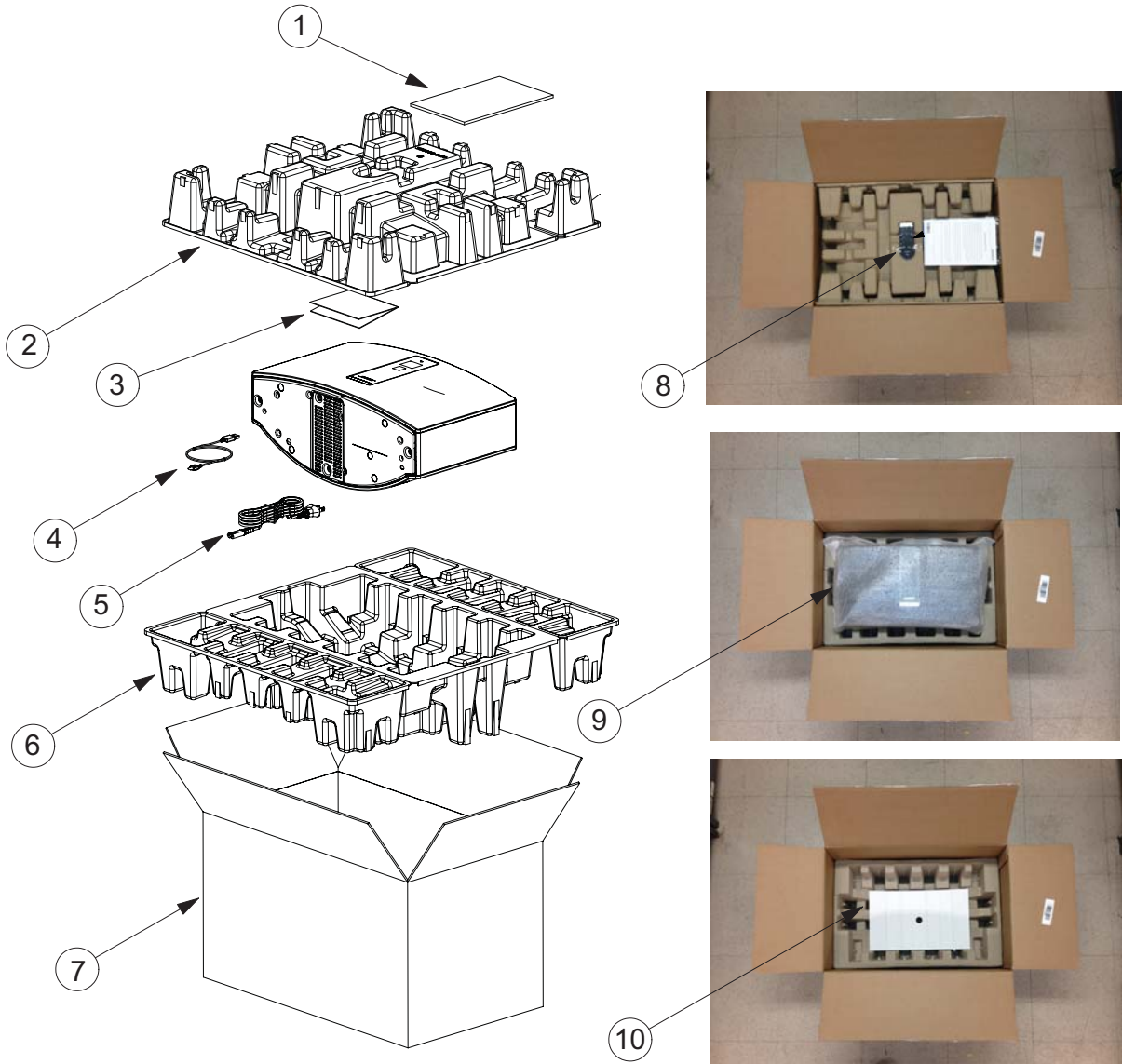


Figure 1. Packing Exploded View

SPEAKER ASSEMBLY PART LIST

Bose® SoundTouch® 30 WiFi Music System

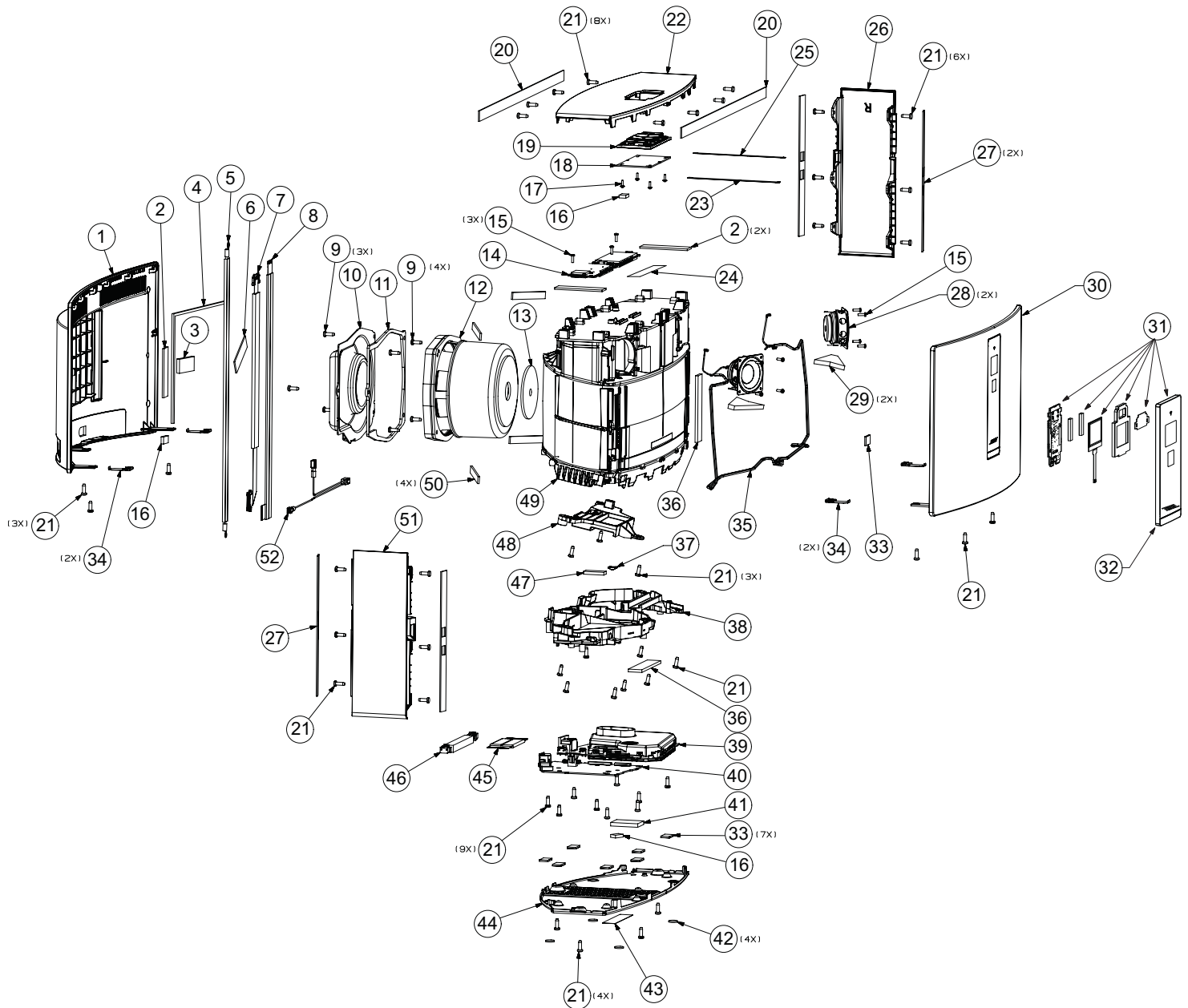
Item Number	Description	Part Number	Note
1	COVER, REAR, SOUNDLINK 30, GRY	355068-0130	3, ⚠
	COVER, REAR, SOUNDLINK 30, BLK	355068-0110	
2	TAPE, FOAM, PORON, 70X20X3.05mm	369746-0010	
3	TAPE, FOAM, 35X20X4.78mm	627255-0010	
4	GASKET, FOAM, PORT	311943-0010	
5	HARNESS, GROUND STRAP, W/FOAM	374892-0020	
6	PAD, RUBBER	374380-0010	
7	CABLE ASSY, FFC, STRAIGHT, 31POS	360505-0010	6
	CABLE ASSY, FFC, FOLDED, 31POS NEW HIROSE CONNECTOR	749202-0010	
8	CABLE, FFC, MOJO, 0.5mm, 1 FOLD, 42COND, 470mm	355057-0010	
9	SCREW, TAP, 8-11X.625, PAN, XRC/SQ	289389-010	
10	COVER, WOOFER, E-COAT	310388-002	
11	Gasket, Wave Guide	313891-004	
12	TRANSDUCER ASSEMBLY, 116mm	324318-001S	3, ⚠
13	Gasket, Center Plug	316806-002	
14	*SLAB ASSY, SOUNDTOUCH II WI-FI BOARD (see page 29)	*720048-024S	4, 6
	*SLAB ASSY, SOUNDTOUCH II WI-FI BOARD NEW HIROSE CONNECTOR (see page 29)	*720048-034S	
15	SCREW, TAPP, 4-16X.38, PAN, XREC	288372-006	
16	TAPE, FOAM, PORON, 15X10X4.78mm	369747-0010	
17	SCREW, SELF TAPPING, M2.5X7mm, WASHER, TORX	357328-0070	
18	PCB ASSY, SOUNDTOUCH 20/30, BTTN	359563-001S	
19	KEYPAD ASSY, PULSE GRAY	354213-0030	
	KEYPAD ASSY, PULSE BLK	354213-0040	
20	TAPE, FOAM, PORON, 1.25X423X10mm	360493-0060	
21	SCREW, TAPP, 8-11x.5, PAN, XREC/SQ	289388-008	
22	TOP CAP, IMD, NO HARDCOAT, WHT	355065-0040	3, ⚠
	TOP CAP, IMD, NO HARDCOAT, BLK	355065-0030	
23	CABLE, FFC, MOJO, AD, 0.5mm, 12COND, 135mm	355056-0020	
24	TAPE, POLYIMIDE, 2.5ML 0.001 Roll	137926	
25	CABLE, FFC, MOJO, 0.5mm, 10COND, 90mm	355055-0010	
26	ENDCAP, RIGHT, IMD, INK, NO HARDCOAT, WHT	355064-0040	3, ⚠
	ENDCAP, RIGHT, IMD, INK, NO HARDCOAT, BLK	355064-0030	

Item Number	Description	Part Number	Note
27	TAPE, FOAM, PORON, SLIDE	357318-0020	
28	TWIDDLER, 50mm	359302-0010	3, ⚠
29	FOAM, ACOUSTIC	313881-001	
30	GRILLE ASSY, GRY	357322-0040	3, ⚠
	GRILLE ASSY, BLK	357322-0010	
31	DISPLAY (includes lens and display board)	625094-001S	5
32	LENS, SOUNDTOUCH 30	357185-0010	
33	FOAM, GRILLE, ARRAY	272036-001	
34	CLIP, GRILLE	359456-0010	
35	HARNESS, TWIDDLER	318606-0020	
36	TAPE, FOAM, CENTER	360493-0010	
37	GASKET, SHIELDING, BLACK	347824-0010	
38	BRACKET, BOTTOM	354742-0010	3, ⚠
39	PCB, SOUNDTOUCH 30 , PWR SPLY, 120V, US	354778-001S	3, ⚠
	PCB, SOUNDTOUCH 30 , PWR SPLY, 240V, EU	354778-002S	
40	PCB ASSY, SOUNDTOUCH 30 , I/O,	354979-001S	3, 6 ⚠
	PCB ASSY, SOUNDTOUCH 30 , I/O, NEW HIROSE CONNECTOR	354979-011S	
41	GASKET, EMI, FOAM, 40X30X5mm	323770-0020	3, ⚠
42	FOOT, RUBBER, 12.5 DIA	627991-0010	3, ⚠
43	LABEL, VOLTAGE WARNING	359403-0010	
44	BASEPLATE, SOUNDLINK WIFI, A-COAT	355066-0010	3, ⚠
45	CABLE, FFC, DSP, SHLD, 30COND, 99.5mm	311560-0050	
46	HARNESS, AC POWER, 300V, 2COND, 140mm	330634-0030	
47	PAD, THERMAL	311554-0010	
48	HEATSINK, MOJO, PWR SUPPLY	357258-0010	3, ⚠
49	WELDED ASSY, LC-WG-TB-TC	627487-001S	3, ⚠
50	TAPE, FOAM, 70X10X2.36mm	627256-0010	
51	ENDCAP, LEFT, IMD, INK, NO HARDCOAT, WHT	355062-0040	3, ⚠
	ENDCAP, LEFT, IMD, INK, NO HARDCOAT, BLK	355062-0010	
52	HARNESS, WOOFER,	355062-0030	

*The replacement Wi-Fi PCB needs to have various settings performed and end user software loaded. See page 29 for details

See Page 9 for diagram

Note: The replacement Wi-Fi PCB needs to have various settings performed and end user software loaded.
See page 33 for details



**Figure 2. Speaker Assembly
Exploded View**

ELECTRICAL PART LIST

SoundTouch™ Common Module PCB Assembly

Resistors

Reference Designator	Description	Part Number	Note
R202	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R203	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R204	RES, 0402, 63MW, 1%, 1.50K	268361-1501	
R205	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R207	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R208	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R209	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R210	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R211	RES, 0402, 63MW, 1%, 10.0K	268361-1002	
R212	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R213	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R214	RES, 0402, 63MW, 1%, 49.9 OHM	268361-49R9	
R215	RES, 0402, 63MW, 1%, 49.9 OHM	268361-49R9	
R216	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R218	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R219	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R220	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R222	RES, 0402, 63MW, 1%, 49.9 OHM	268361-49R9	
R223	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R224	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R225	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R226	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R301	RES, 0402, 63MW, 1%, 10.0K	268361-1002	
R302	RES, 0402, 0.063W, 1%, 4.53kOHMS	268361-4531	
R303	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R304	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R306	RES, 0402, 63MW, 1%, 10.0K	268361-1002	
R307	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R310	RES, 0402, 63MW, 1%, 56.2K	268361-5622	
R311	RES, 0402, 63MW, 1%, 56.2K	268361-5622	
R312	RES, 0402, 63MW, 1%, 56.2K	268361-5622	
R313	RES, 0402, 63MW, 1%, 56.2K	268361-5622	
R314	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R315	RES, 0402, 63MW, 1%, 10.0K	268361-1002	
R316	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R318	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R319	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R320	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R321	RES, 0402, 63MW, 1%, 10.0K	268361-1002	
R322	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R323	RES, 0402, 63MW, 1%, 90.9K	268361-9092	
R404	RES, 0402, 63MW, 1%, 10.0K	268361-1002	
R405	RES, 0402, 63MW, 1%, 10.0K	268361-1002	
R406	RES, 0402, 0.063W, 1%, 4.7OHMS	268361-4R70	
R407	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R408	RES, 0402, 63MW, 1%, 301 OHM	268361-3010	
R409	RES, 0402, 63MW, 1%, 301 OHM	268361-3010	
R410	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R411	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R412	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R413	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R414	RES, 0402, 63MW, 1%, 1.50K	268361-1501	
R501	RES, 0402, 63MW, 1%, 1.0M	268361-1004	
R502	RES, 0402, 63MW, 1%, 1.0M	268361-1004	
R503	RES, 0402, 63MW, 1%, 1.0M	268361-1004	
R504	RES, 0402, 63MW, 1%, 3.32K OHM	268361-3321	
R505	RES, 0402, 63MW, 1%, 3.32K OHM	268361-3321	
R506	RES, 0402, 63MW, 1%, 3.32K OHM	268361-3321	
R507	RES, 0402, 63MW, 1%, 3.32K OHM	268361-3321	
R508	RES, 0402, 0.063W, 1%, 4.7OHMS	268361-4R70	
R509	RES, 0402, 63MW, 1%, 100K	268361-1003	
R510	RES, 0402, 63MW, 1%, 100K	268361-1003	
R511	RES, 0402, 63MW, 1%, 100K	268361-1003	
R512	RES, 0402, 63MW, 1%, 100K	268361-1003	
R513	RES, 0402, 0.063W, 1%, 4.7OHMS	268361-4R70	
R514	RES, 0402, 63MW, 1%, 49.9 OHM	268361-49R9	
R515	RES, 0402, 63MW, 1%, 1.50K	268361-1501	
R601	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R602	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R603	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R604	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R605	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R606	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R607	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R608	RES, 0402, 63MW, 1%, 1.50K	268361-1501	
R609	RES, 0402, 63MW, 1%, 1.50K	268361-1501	

Resistors

Reference Designator	Description	Part Number	Note
R610	RES, 0402, 63MW, 1%, 1.50K	268361-1501	
R611	RES, 0402, 0.063W, 1%, 4.53kOHMS	268361-4531	
R612	RES, 0402, 0.063W, 1%, 4.53kOHMS	268361-4531	
R613	RES, 0402, 0.063W, 1%, 4.53kOHMS	268361-4531	
R614	RES, 0402, 0.063W, 1%, 4.53kOHMS	268361-4531	
R615	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R617	RES, 0402, 63MW, 1%, 12.1K	268361-1212	
R618	RES, 0805, .125W, 1%, 52.3	133625-52R3	
R619	RES, 0805, .125W, 1%, 52.3	133625-52R3	
R620	RES, 0402, 63MW, 1%, 10.0K	268361-1002	
R621	RES, 0805, .125W, 1%, 52.3	133625-52R3	
R622	RES, 0805, .125W, 1%, 52.3	133625-52R3	
R623	RES, 0805, .125W, 1%, 274	133625-2740	
R624	RES, 0805, .125W, 1%, 274	133625-2740	
R901	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R902	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R903	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R904	RES, 0402, 63MW, 1%, 10.0K	268361-1002	
R905	RES, 0402, 63MW, 1%, 10.0K	268361-1002	
R906	RES, 0402, 63MW, 1%, 1.50K	268361-1501	
R907	RES, 0402, 63MW, 1%, 44.2K	268361-4422	
R908	RES, 0402, 0.063W, 1%, 4.53kOHMS	268361-4531	
R909	RES, 0402, 63MW, 1%, 56.2K	268361-5622	
R910	RES, 0402, 63MW, 1%, 10.0K	268361-1002	
R911	RES, 0402, 63MW, 1%, 10.0K	268361-1002	
R912	RES, 0402, 63MW, 1%, 12.1K	268361-1212	
R913	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R914	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R915	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R1001	RES, 0402, 63MW, 1%, 1.50K	268361-1501	
R1002	RES, 0402, 63MW, 1%, 1.50K	268361-1501	
R1003	RES, 1206, 1/4W, 5%, 10 OHM	124895-1005	
R1005	RES, 1206, 1/4W, 5%, 4.7 OHM	124895-4R75	
R1006	RES, 0402, 63MW, 1%, 1.50K	268361-1501	
R1007	RES, 0402, 63MW, 1%, 1.50K	268361-1501	
R1009	RES, 0402, 63MW, 1%, 44.2K	268361-4422	
R1201	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R1202	RES, 0402, 63MW, 1%, 100K	268361-1003	
R1203	RES, 0402, 63MW, 1%, 100 OHM	268361-1000	
R1204	RES, 0402, 63MW, 1%, 499 OHM	268361-4990	
R1205	RES, 0402, 63MW, 1%, 1.50K	268361-1501	
R1602	RES, 0402, 63MW, 1%, 100K	268361-1003	
R1603	RES, 0402, 0.063W, 1%, 7.87kOHMS	268361-7871	
R1701	RES, 0402, 63MW, 1%, 1.50K	268361-1501	
R1702	RES, 0402, 63MW, 1%, 221K	268361-2213	
R1703	RES, 0402, 63MW, 1%, 44.2K	268361-4422	

ELECTRICAL PART LIST

SoundTouch™ Common Module PCB Assembly

Capacitors

Reference Designator	Description	Part Number	Note
C1001	CAP, X7R, 0402, 50V, 10%, 1000pF, COMM	718866-102K1H	
C1002	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C1003	CAP, X7R, 0402, 50V, 10%, 1000pF, COMM	718866-102K1H	
C1004	CAP, X5R, 0805, 25V, 10%, 10uF	273592-106E	
C1005	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C1006	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C1007	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C1201	CAP, X7R, 0402, 50V, 10%, 1000pF, COMM	718866-102K1H	
C1202	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C1204	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C1205	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C1601	CAP, X5R, 0805, 4.7uF, 16V, 10%	273592-475C	
C1605	CAP, X5R, 0603, 25V, 10%, 4.7uF, COMM	718835-475K1E	
C1606	CAP, X5R, 0603, 25V, 10%, 4.7uF, COMM	718835-475K1E	
C1701	CAP, X5R, 0805, 25V, 10%, 10uF	273592-106E	
C1702	CAP, X5R, 0805, 25V, 10%, 10uF	273592-106E	
C1703	CAP, X7R, 0402, 50V, 10%, 1000pF, COMM	718866-102K1H	
C1704	CAP, C0G, 0402, 50V, 33PF	268364-330	
C1705	CAP, X7R, 0402, 50V, 10%, 1000pF, COMM	718866-102K1H	
C1706	CAP, X5R, 0603, 25V, 20%, 10uF, COMM	718835-106M1E	
C1801	CAP, X5R, 0402, 10V, 10%, 1uF, COMM	716994-105K1A	
C1802	CAP, X7R, 0402, 50V, 10%, 1000pF, COMM	718866-102K1H	
C1803	CAP, X7R, 0402, 50V, 10%, 1000pF, COMM	718866-102K1H	
C1804	CAP, X5R, 0402, 10V, 10%, 1uF, COMM	716994-105K1A	
C1901	CAP, X5R, 0402, 10V, 10%, 1uF, COMM	716994-105K1A	
C1902	CAP, X7R, 0402, 50V, 10%, 1000pF, COMM	718866-102K1H	
C1903	CAP, X7R, 0402, 50V, 10%, 1000pF, COMM	718866-102K1H	
C1904	CAP, X5R, 0402, 10V, 10%, 1uF, COMM	716994-105K1A	
C201	CAP, C0G, 0402, 5%, 220pF, 50V	268364-221	
C202	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C203	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C204	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C205	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C206	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C207	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C208	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C209	CAP, C0G, 0402, 5%, 220pF, 50V	268364-221	
C210	CAP, C0G, 0402, 5%, 220pF, 50V	268364-221	
C301	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C302	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C306	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C307	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C308	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C309	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C310	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C311	CAP, X7R, 0402, 50V, 10%, 1000pF, COMM	718866-102K1H	
C404	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C405	CAP, X7R, 0402, 16V, 10%, 10000pF, COMM	718866-103K1C	
C406	CAP, X7R, 0402, 16V, 10%, 10000pF, COMM	718866-103K1C	
C407	CAP, X5R, 0603, 6.3V, 20%, 10uF, COMM	718835-106M0J	
C408	CAP, X5R, 0805, 25V, 10%, 10uF	273592-106E	
C409	CAP, X7R, 0402, 16V, 10%, 150pF	293702-151	
C410	CAP, X5R, 0603, 6.3V, 20%, 10uF, COMM	718835-106M0J	
C411	CAP, X7R, 0402, 16V, 10%, 150pF	293702-151	
C412	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C413	CAP, X7R, 0402, 16V, 10%, 10000pF, COMM	718866-103K1C	

Capacitors

Reference Designator	Description	Part Number	Note
C414	CAP, X7R, 0603, 16V, 10%, 1uF, COMM	718875-105K1C	
C415	CAP, X7R, 0402, 16V, 10%, 1000pF, COMM	718866-102K1C	
C416	CAP, X7R, 0402, 16V, 5%, 15nF	296732-153	
C417	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C418	CAP, X7R, 0402, 16V, 10%, 1000pF, COMM	718866-102K1C	
C419	CAP, X7R, 0402, 16V, 10%, 1000pF, COMM	718866-102K1C	
C420	CAP, X7R, 0402, 16V, 10%, 1000pF, COMM	718866-102K1C	
C421	CAP, X7R, 0402, 16V, 5%, 15nF	296732-153	
C422	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C501	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C502	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C503	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C504	CAP, X5R, 0603, 20%, 6.3V, 3.3uF	313766-335J	
C505	CAP, X5R, 0603, 20%, 6.3V, 3.3uF	313766-335J	
C506	CAP, X5R, 0603, 20%, 6.3V, 3.3uF	313766-335J	
C507	CAP, X5R, 0603, 20%, 6.3V, 3.3uF	313766-335J	
C508	CAP, X7R, 0402, 50V, 5%, 470pF	268366-471	
C509	CAP, X7R, 0402, 50V, 5%, 470pF	268366-471	
C510	CAP, X5R, 0805, 25V, 10%, 10uF	273592-106E	
C511	CAP, X7R, 0402, 16V, 10%, 150pF	293702-151	
C512	CAP, X5R, 0603, 6.3V, 20%, 10uF, COMM	718835-106M0J	
C513	CAP, X7R, 0402, 16V, 10%, 150pF	293702-151	
C514	CAP, C0G, 0402, 50V, 5%, 22PF	268364-220	
C515	CAP, X7R, 0402, 16V, 10%, 10000pF, COMM	718866-103K1C	
C516	CAP, X7R, 0402, 16V, 10%, 150pF	293702-151	
C517	CAP, X5R, 0603, 6.3V, 20%, 10uF, COMM	718835-106M0J	
C518	CAP, X7R, 0402, 16V, 10%, 150pF	293702-151	
C519	CAP, X7R, 0402, 16V, 10%, 10000pF, COMM	718866-103K1C	
C520	CAP, X5R, 0603, 6.3V, 20%, 10uF, COMM	718835-106M0J	
C601	CAP, X7R, 0402, 50V, 10%, 1000pF, COMM	718866-102K1H	
C602	CAP, C0G, 0402, 50V, 5%, 11pF	268364-110	
C603	CAP, X7R, 0402, 50V, 5%, 470pF	268366-471	
C604	CAP, X7R, 0402, 16V, 10%, 10000pF, COMM	718866-103K1C	
C605	CAP, C0G, 0402, 50V, 5%, 11pF	268364-110	
C606	CAP, X7R, 0402, 50V, 10%, 1000pF, COMM	718866-102K1H	
C607	CAP, X5R, 0603, 4.7uF, 10V, 20%	313766-475A	
C608	CAP, X5R, 0603, 6.3V, 20%, 10uF, COMM	718835-106M0J	
C609	CAP, X5R, 0402, 10V, 10%, 1uF, COMM	716994-105K1A	
C610	CAP, X7R, 0402, 16V, 10%, 10000pF, COMM	718866-103K1C	
C611	CAP, X7R, 0402, 50V, 10%, 1000pF, COMM	718866-102K1H	
C612	CAP, X7R, 0402, 50V, 10%, 1000pF, COMM	718866-102K1H	
C613	CAP, X7R, 0402, 16V, 10%, 1000pF, COMM	718866-102K1C	
C614	CAP, X7R, 0402, 16V, 10%, 1000pF, COMM	718866-102K1C	
C615	CAP, X7R, 0402, 16V, 10%, 10000pF, COMM	718866-103K1C	
C616	CAP, X7R, 1206, 2000V, 20%, 1000pF	359294-102M	
C801	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C902	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C903	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C904	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C905	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C906	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C907	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C908	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C909	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C910	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	

ELECTRICAL PART LIST

SoundTouch™ Common Module PCB Assembly

Capacitors (continued)

Reference Designator	Description	Part Number	Note
C911	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C912	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C913	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	
C914	CAP, C0G, 0402, 5%, 100pF, 50V	268364-101	

Inductors

Reference Designator	Description	Part Number	Note
FB1001	BEAD, FERRITE, 0402, 120 OHM, 0.3A	324216-121B	
FB1002	FERRITE BEAD, 1206, 120OHM	326348-121	
FB401	BEAD, FERRITE, 0402, 0.9A, 600OHM	716195-601	
FB402	FERRITE BEAD, 0805, 1.5A, 330OHMS	739338-331	
FB403	BEAD, FERRITE, 0402, 0.9A, 600OHM	716195-601	
FB501	BEAD, FERRITE, 0402, 120 OHM, 0.3A	324216-121B	
FB502	BEAD, FERRITE, 0402, 120 OHM, 0.3A	324216-121B	
FB503	BEAD, FERRITE, 0402, 120 OHM, 0.3A	324216-121B	
FB504	BEAD, FERRITE, 0402, 120 OHM, 0.3A	324216-121B	
FB505	BEAD, FERRITE, 0402, 120 OHM, 0.3A	324216-121B	
FB506	BEAD, FERRITE, 0402, 120 OHM, 0.3A	324216-121B	
FB507	BEAD, FERRITE, 0402, 120 OHM, 0.3A	324216-121B	
FB601	FERRITE BEAD, 0805, 1.5A, 330OHMS	739338-331	
FB602	BEAD, FERRITE, 0402, 0.9A, 600OHM	716195-601	
FB901	FERRITE BEAD, 0603, 120OHMS	351171-121	
L1001	INDUCTOR, POWER, 2520, 125C, 20%, 1uH	348739-1R0M	
L1601	Inductor, 0.86A, 22uH, +/-20%, SMT	290997-220T	
L1701	INDUCTOR, POWER, 2520, 125C, 20%, 0.47uH	348739-R47M	
L301	INDUCTOR, 0504, 90 OHMS, 150mA, C- MODE	324381-090D	

Diodes

Reference Designator	Description	Part Number	Note
D1201	DIODE, SWITCHING, 100V, BAV99, SOT363	319113-001	
D1601	DIODE, SCHTKY, SC70, 30V, SINGLE	268381-001	
D302	DIODE, SWITCHING, 100V, BAV99, SOT363	319113-001	
D601	DIODE, SWITCHING, 100V, BAV99, SOT363	319113-001	
D602	DIODE, TVS, ARRAY, 6AMPS, DT1042-04TS-7	739075-0010	

Transistors

Reference Designator	Description	Part Number	Note
Q901	XSISTOR, NFET, SMALL SIG, , SOT-23, FDV301N	329013-0010	
Q902	XSISTOR, NFET, SMALL SIG, , SOT-23, FDV301N	329013-0010	
Q904	XSISTOR, NFET, SMALL SIG, , SOT-23, FDV301N	329013-0010	

Integrated Circuits

Reference Designator	Description	Part Number	Note
U301	IC, LOGIC, BUFFER, SNGL, 5V, 74LVC1G07, SC70	626946-0010	
U401	IC, DAC, 192kHz, 24Bit, 2ch, AK4384	299344-001	
U402	IC, CODEC, AUDIO, W/DSP, 32b, 192kHz, 40WQFN	353341-0010	
U501	IC, Stereo ADC, 24-Bit, 192kHz	307160-001	
U601	IC, ETHERNET, PHYSICAL, LAN, TxRx, 24-QFN	353306-0010	
U901	IC, LIN REG, ADJ, SHUNT, TL431, 1%, SOT23-3	330361-1030	
U1201	IC, Inverter, Dual, 50mA, 5V	280293-001	
U1601	IC, VOLT REG, SW, BOOST, 0.4A, ADJ, SOT-23	355416-0010	
U1701	IC, VREG, SW, 2A, ADJ, WSON	638548-0010	
U1801	IC, VREG, LIN, POS, LDO, 0.2A, 1.8V, 4DFN	716194-0010	
U1901	IC, VREG, LIN, POS, LDO, 0.2A, 3.3V, 4DFN	716194-0020	

Miscellaneous

Reference Designator	Description	Part Number	Note
M1301	SLAB ASSY, SOUNDTOUCH MODULE	NA	
W603	JUMPER, 0402, 0 OHM	280043	
W704	JUMPER, 0402, 0 OHM	280043	
W705	JUMPER, 0402, 0 OHM	280043	
X601	CRYSTAL, FUND, 15PPM, 8pF, 3225, 25MHz	291429-034	
XFMR601	TRANSFORMER, CHOKE, 10/100BASE-T, SMT	356073-0010	
SHLD 7164 TOP	COVER, SM2, MODULE	717920-0010	

ELECTRICAL PART LIST

Power PCB Assembly

Resistors

Reference Designator	Description	Part Number	Note
R200	1K, 0603, .1W, 1%	191465-1001	
R201	1K, 0603, .1W, 1%	191465-1001	
R202	46.4K, 0603, .1W, 1%	191465-4642	
R203	2.2K, 0603, .1W, 5%	199403-222	
R207	10 OHM, 0805, .125W, 1%	133625-10R0	
R208	10 OHM, 0805, .125W, 1%	133625-10R0	
R210	220K, 0603, .1W, 5%	199403-224	
R211	33 OHMS, 0603, .1W, 5%	199403-330	
R212	10 OHM, 0805, .125W, 1%	133625-10R0	
R213	49.9K, 0603, .1W, 1%	191465-4992	
R214	0 OHM, JUMPER, 0402	280043	
R300	100 OHM, 0603, .1W, 1%	191465-1000	
R301	1K, 0603, .1W, 1%	191465-1001	
R302	10K, 0603, .1W, 1%	191465-1002	
R303	100 OHM, 0603, .1W, 1%	191465-1000	
R304	100K, 0603, .1W, 1%	191465-1003	
R305	6.65K, 0603, .1W, 1%	191465-6651	
R306	221K, 0603, .1W, 1%	191465-2213	
R307	221K, 0603, .1W, 1%	191465-2213	
R308	221K, 0603, .1W, 1%	191465-2213	
R309	10 OHM, 0805, .125W, 1%	133625-10R0	
R310	10 OHM, 0805, .125W, 1%	133625-10R0	
R311	10 OHM, 0805, .125W, 1%	133625-10R0	
R312	10 OHM, 0805, .125W, 1%	133625-10R0	
R313	6.65K, 0603, .1W, 1%	191465-6651	
R314	221K, 0603, .1W, 1%	191465-2213	
R315	221K, 0603, .1W, 1%	191465-2213	
R316	221K, 0603, .1W, 1%	191465-2213	
R317	33 OHMS, 0603, .1W, 5%	199403-330	
R318	33 OHMS, 0603, .1W, 5%	199403-330	
R319	3.01K, 0603, .1W, 1%	191465-3011	
R320	3.01K, 0603, .1W, 1%	191465-3011	
R321	3.01K, 0603, .1W, 1%	191465-3011	
R322	3.01K, 0603, .1W, 1%	191465-3011	
R327	47K, 0805, 1/10W, 5%	133626-4735	
R328	5.23K, 0805, .125W, 1%	133625-5231	
R401	25 OHM, THERMISTOR, 2A, 20J	324066-2000J	
R403	750K, 1206, 0.25W, 5%	359979-754J	
R407	750K, 1206, 0.25W, 5%	359979-754J	
R416	100 OHM, ARRAY, SMT, 4 POS, 5%	186433-1014	
R417	100 OHM, ARRAY, SMT, 4 POS, 5%	186433-1014	
R500	510 OHM, 2512, 1W, 5%	181895-5100	
R501	220K, 0603, .1W, 5%	199403-224	
R502	220K, 0603, .1W, 5%	199403-224	
R503	100 OHM, 0603, .1W, 1%	191465-1000	
R504	220 OHM, 2512, 1W, 5%	181895-2200	
R505	21.5K, 0603, .1W, 1%	191465-2152	
R506	10K, 0603, .1W, 1%	191465-1002	
R507	10K, 0603, .1W, 1%	191465-1002	
R508	68.1K, 0603, .1W, 1%	191465-6812	
R509	18.2K, 0603, .1W, 1%	191465-1822	
R510	301 OHM, 0805, .125W, 1%	133625-3010	
R511	301 OHM, 0805, .125W, 1%	133625-3010	
R512	10 OHM, 2512, 1W, 5%	181895-10R0	
R513	1K, 0603, .1W, 1%	191465-1001	
R514	200 OHM, 0603, .1W, 1%	191465-2000	
R515	2512, 1W, 1%, 0.066OHM	260699-066F	
R516	2512, 1W, 1%, 0.066OHM	260699-066F	
R517	1.0 OHM, 0603, .1W, 1%	191465-01R0	
R518	49.9K, 0603, .1W, 1%	191465-4992	
R520	22.1 OHM, 1206, 1/4W, 1%	124894-22R1	
R521	10.2K, 0603, .1W, 1%	191465-1022	
R522	1.18K, 0603, 100MW, 1%	191465-1181	
R523	220 OHM, 2512, 1W, 5%	181895-2200	
R527	10 OHM, 0805, .125W, 1%	133625-10R0	
R528	10 OHM, 0805, .125W, 1%	133625-10R0	
R534	10 OHM, 0805, .125W, 1%	133625-10R0	
R535	220K, 0603, .1W, 5%	199403-224	
R540	100K, 0603, .1W, 1%	191465-1003	
R541	100K, 0603, .1W, 1%	191465-1003	
R542	2.2K, 0603, .1W, 5%	199403-222	
R553	1K, 0603, .1W, 1%	191465-1001	
R554	10 OHM, 0805, .125W, 1%	133625-10R0	
R555	10 OHM, 0805, .125W, 1%	133625-10R0	
R556	49.9K, 0603, .1W, 1%	191465-4992	

Resistors (continued)

Reference Designator	Description	Part Number	Note
R563	49.9 OHM, 0402, 63MW, 1%	268361-49R9	
R601	2.2 OHM, 1210, 330mW, 200V, 10%	321468-2R2K	
R602	1M, 0603, .1W, 1%	191465-1004	
R603	1M, 0603, .1W, 1%	191465-1004	
R604	100 OHM, 1206, 1/4W, 5%	124895-1015	
R605	1.33K, 0603, 100MW, 1%	191465-1331	
R606	2.21K, 0603, .1W, 1%	191465-2211	
R607	20K, 0603, .1W, 1%	191465-2002	
R608	178K, 603, .1W, 1%	191465-1783	
R609	100K, 0603, .1W, 1%	191465-1003	
R610	3.92K, 0603, .1W, 1%	191465-3921	
R611	100K, 0603, .1W, 1%	191465-1003	
R612	10K, 0603, .1W, 1%	191465-1002	
R613	100K, 0603, .1W, 1%	191465-1003	
R614	100 OHM, 0603, .1W, 1%	191465-1000	
R615	24.9K, 0603, .1W, 1%	191465-2492	
R616	10M, 1206, .25W, 1%	360047-1005F	
R617	270K, 1206, 0.25W, 5%	359979-274J	
R618	7.32K, 0603, .1W, 1%	191465-7321	
R619	270K, 1206, 0.25W, 5%	359979-274J	
R620	7.32K, 0603, .1W, 1%	191465-7321	
R621	78.7K, 0603, .1W, 1%	191465-7872	
R622	10M, 1206, .25W, 1%	360047-1005F	
VR402	VARISTOR, MET OX, RADIAL, 320V, 80J	273545-005	3 
	COVER, COMPONENT	362882-0010	
VR601	IC, VREG, ADJ., 1.2-32V, SOIC	310726-001	
ZR601	ZEN, SMD, 47V	181994-47R	

Capacitors

Reference Designator	Description	Part Number	Note
C201	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C202	1uF, X7R, 0603, 16V, 10%	257154-105K16	
C203	.47uF, X7RM, 0805, 16V, 5%	196995-474	
C204	0.1uF, X7R, 0603, 50V, 10%	191470-104	
C205	2200pF, X7R, 0603, 50V, 10%	191470-222	
C207	47uF, EL, SMD, 105C, 25V, 20%	306169-470EF	
C209	0.1uF, X7R, 0603, 50V, 10%	191470-104	
C210	0.1uF, X7R, 0603, 50V, 10%	191470-104	
C213	0.1uF, X7R, 0805, 50V, 10%	286499-104	
C214	0.1uF, X7R, 0805, 50V, 10%	286499-104	
C216	0.1uF, X7R, 0603, 50V, 10%	191470-104	
C217	.015uF, X7R, 0603, 50V, 10%	191470-153	
C218	.015uF, X7R, 0603, 50V, 10%	191470-153	
C219	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C220	.015uF, X7R, 0603, 50V, 10%	191470-153	
C221	.015uF, X7R, 0603, 50V, 10%	191470-153	
C224	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C225	220pF, COG, 0603, 50V, 5%	188454-221	
C226	220pF, COG, 0603, 50V, 5%	188454-221	
C232	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C233	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C234	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C235	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C236	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C237	0.1uF, X7R, 0805, 50V, 10%	286499-104	
C238	0.1uF, X7R, 0805, 50V, 10%	286499-104	
C239	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C240	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C241	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C242	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C243	.015uF, X7R, 0603, 50V, 10%	191470-153	
C244	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C246	22pF, COG, 0402, 50V, 5%	268364-220	
C247	22pF, COG, 0402, 50V, 5%	268364-220	
C248	22pF, COG, 0402, 50V, 5%	268364-220	
C249	22pF, COG, 0402, 50V, 5%	268364-220	
C250	22pF, COG, 0402, 50V, 5%	268364-220	
C256	22pF, COG, 0402, 50V, 5%	268364-220	
C300	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C301	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C302	1.0uF, X7R, 1206, 50V, 10%	286500-105	

ELECTRICAL PART LIST

Power PCB Assembly

Capacitors Cont.

Reference Designator	Description	Part Number	Note
C303	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C304	100pF, C0G, 0603, 50V, 5%	188454-101	
C305	220pF, C0G, 0603, 50V, 5%	188454-221	
C306	220pF, C0G, 0603, 50V, 5%	188454-221	
C307	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C308	.01uF, X7R, 0603, 50V, 10%	191470-103	
C309	1uF, EL, SMD, 105, 50V, 20%	306245-1R0FA	
C310	.22uF, X7R, 0805, 25V, 10%	181264-224	
C311	.22uF, X7R, 0805, 25V, 10%	181264-224	
C312	.22uF, X7R, 0805, 25V, 10%	181264-224	
C313	.22uF, X7R, 0805, 25V, 10%	181264-224	
C314	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C315	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C316	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C317	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C318	22uF, X5R, 0805, 6.3V, 20%	273592-226JM	
C319	470pF, X7R, 0603, 200V, 10%	317820-471K	
C320	470pF, X7R, 0603, 200V, 10%	317820-471K	
C321	470pF, X7R, 0603, 200V, 10%	317820-471K	
C322	470pF, X7R, 0603, 200V, 10%	317820-471K	
C323	22uF, X5R, 0805, 6.3V, 20%	273592-226JM	
C328	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C329	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C330	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C331	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C332	0.1uF, X7R, 0805, 50V, 10%	286499-104	
C333	0.1uF, X7R, 0805, 50V, 10%	286499-104	
C334	0.1uF, X7R, 0805, 50V, 10%	286499-104	
C335	0.1uF, X7R, 0805, 50V, 10%	286499-104	
C336	100pF, C0G, 0603, 50V, 5%	188454-101	
C337	100pF, C0G, 0603, 50V, 5%	188454-101	
C338	68pF, COG, 0402, 50V, 5%	268364-680	
C339	68pF, COG, 0402, 50V, 5%	268364-680	
C400	68pF, X1/Y1, 10mm LS, 250VAC, 10%	354061-680KB	3 ⚠
C401	680pF, CER, Y1, 10MM LS, 250V, 10%	323670-0060	
C402	68pF, X1/Y1, 10mm LS, 250VAC, 10%	354061-680KB	3 ⚠
C403	.015uF, X7R, 0603, 50V, 10%	191470-153	
C404	CAP, TRIMMED	323773-0030	
C405	0.15uF, X7R, 1210, 500V, 10%	260697-102	
C406	680pF, CER, Y1, 10MM LS, 250V, 10%	323670-0060	3 ⚠
C407	680pF, CER, Y1, 10MM LS, 250V, 10%	323670-0060	3 ⚠
C408	0.15uF, X7R, 1210, 500V, 10%	260697-102	
C409	470uF, EL, 105C, 250V, 20%	310510-471EAE	3 ⚠
C410	470uF, EL, 105C, 250V, 20%	310510-471EAE	3 ⚠
C412	0.1uF, X7R, 0805, 50V, 10%	286499-104	
C413	100pF, C0G, 0603, 50V, 5%	188454-101	
C414	100pF, C0G, 0603, 50V, 5%	188454-101	
C416	.015uF, X7R, 0603, 50V, 10%	191470-153	
C418	100pF, C0G, 0603, 50V, 5%	188454-101	
C420	100pF, C0G, 0603, 50V, 5%	188454-101	
C422	0.15uF, X7R, 1210, 500V, 10%	260697-102	
C423	0.15uF, X7R, 1210, 500V, 10%	260697-102	
C500	47uF, EL, SMD, 105, 35V, 20%	306245-470EE	
C501	0.15uF, X7R, 1210, 500V, 10%	359772-154K	
C502	0.1uF, X7R, 0805, 50V, 10%	286499-104	
C503	27pF, COG, 0402, 50V, 5%	268364-270	
C504	220pF, C0G, 0603, 50V, 5%	188454-221	
C505	1.0uF, X5R, 0603, 16V, 20%	300292-105	
C507	.33uF, X7R, SMD, 0603, 16V, 5%	257154-334J16	
C508	1200pF, C0G, 0603, 50V, 5%	188454-122	
C509	100pF, C0G, 0603, 50V, 5%	188454-101	
C510	0.1uF, X7R, 0603, 50V, 10%	191470-104	
C511	2700pF, X7R, 0603, 50V, 10%	191470-272	
C512	CAP, TRIMMED	323773-0040	
C513	CAP, TRIMMED	323773-0040	
C514	1.0uF, X5R, 0603, 16V, 20%	300292-105	
C515	CAP, TRIMMED	323773-0010	

Capacitors Cont.

Reference Designator	Description	Part Number	Note
C516	CAP, TRIMMED	323773-0040	
C517	4700PF, X7R, 0603, 50V, 10%	191470-472	
C519	470pF, X7R, 0603, 200V, 10%	317820-471K	
C520	100pF, C0G, 0603, 50V, 5%	188454-101	
C521	3300uF, EL, 105C, 35V, 20%	310927-332MVBMP	
C522	0.15uF, X7R, 1210, 500V, 10%	359772-154K	
C523	150pF, C0G, 0805, 200V, 5%	260668-151J	
C524	150pF, C0G, 0805, 200V, 5%	260668-151J	
C525	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C526	.047uF, X7R, 0805, 50V, 10%	286499-473	
C527	1.0uF, X5R, 0603, 16V, 20%	300292-105	
C528	150pF, C0G, 0805, 200V, 5%	260668-151J	
C529	100pF, C0G, 0603, 50V, 5%	188454-101	
C537	0.1uF, X7R, 0603, 50V, 10%	191470-104	
C538	20pF, COG, 0603, 50V, 5%	188454-200	
C539	390pF, C0G, 0603, 50V, 5%	188454-391	
C545	470pF, X7R, 0603, 200V, 10%	317820-471K	
C546	220pF, C0G, 0603, 50V, 5%	188454-221	
C550	4.7uF, X5R, 0805, 16V, 10%	273592-475C	
C552	56pF, COG, 0402, 50V, 5%	268364-560	
C566	27pF, C0G, 0603, 50V, 5%	188454-270	
C567	27pF, C0G, 0603, 50V, 5%	188454-270	
C601	.1uF, X7R, 1206, 100V, 10%	279056-104	
C602	47uF, EL, SMD, 105C, 50V, 20%	317164-4701HF	
C603	47uF, EL, SMD, 105C, 50V, 20%	317164-4701HF	
C604	1.0uF, X7R, 1206, 50V, 10%	286500-105	
C605	100pF, C0G, 0603, 50V, 5%	188454-101	
C606	100pF, C0G, 0603, 50V, 5%	188454-101	

Inductors

Reference Designator	Description	Part Number	Note
L209	PLANAR, 4-LAYER, 4T, ERF28-450	319196-450	
L209A	450nH/N², CORE, FERRITE, ERF28	314443-450	
L300	PLANAR, 4-LAYER, 8T, ERF17-160	318999-160	
L300A	160nH/N², CORE, FERRITE, ERF17	314442-160	
L301	PLANAR, 4-LAYER, 8T, ERF17-160	318999-160	
L301A	160nH/N², CORE, FERRITE, ERF17	314442-160	
L400	10mH, COM MODE CHOKE	310640-002	3 ⚠
L401	480 OHMS, BEAD, FERRITE, DIFF-MODE, 100MHz	625162-0010	3 ⚠
L402	480 OHMS, BEAD, FERRITE, DIFF-MODE, 100MHz	625162-0010	3 ⚠
L501	22uH, FIXED, 20%	307181-223M	
L502	28.75uH, TOROID, 10%	310734-001	

Diodes

Reference Designator	Description	Part Number	Note
D502	SOT-23, BAV 99	147239	
D503	REC, FAST SWTG, 4A, 400V	310628-002	
D504	SWITCHING, 75V, 200mA	148582	
D505	SWITCHING, 75V, 200mA	148582	
D509	RECT, FAST, 600V, 1A	317066-600	
D601	PWR SCHOTTKY, 1A, 150V, SMA	321276-001	
D602	SCHOTTKY, 28V, 2A	300287-001	

ELECTRICAL PART LIST

Power PCB Assembly

Transistors

Reference Designator	Description	Part Number	Note
Q300	BRT, NPN, 4.7K/47K, SOT-23	346223-0010	
Q500	MFET, N-CH, 600V	310519-001	
Q501	MFET, N-CH, 600V	310519-001	
Q509	P, 47K, BIAS, SOT23	258025	
Q511	BPLR, N, 40V, 200mA, SOT23	146819	
Q601	BPLR, P, 40V, 200mA, SOT23	148596	
Q602	BPLR, N, 40V, 200mA, SOT23	146819	
Q603	BPLR, N, 40V, 200mA, SOT23	146819	
Q604	BPLR, PNP, 0.15A, 500V, SOT-23	369841-0010	
Q605	BPLR, PNP, 0.15A, 500V, SOT-23	369841-0010	
Q606	BPLR, N, 40V, 200mA, SOT23	146819	

Integrated Circuits

Reference Designator	Description	Part Number	Note
U200	IC, NOR GATE, QUAD, 2-INPUT, 5.5V, SOIC	324043-0010	
U201	IC, PWRAMP, TDF8599BTHN1C, HSOP, P-UP	320885-001	3 
U300	IC, PWR-AMP, CLASS D, 20W	298092-001	
U402	IC, CAP DISCHARGE, 825V, CAP002DG, 8SO	357463-0010	
U501	IC, AMP, OPTICALLY ISOL., 1%	310589-001	
U503	IC, VREG, 5.0V, FIXED, LDO, SOIC	313374-050	
U504	IC, HALF-BRIDGE GATE DRIVER	317085-001	
U505	IC, PWM CONTROLLER, 50% DUTY CY	317119-002	
U506	IC, SCHMITT TRIGGER, 18V, SSOP-5	317128-001	
U601	IC, OPTOISOLATOR, CNY17F-1X007	254120-002	3 

Miscellaneous

Reference Designator	Description	Part Number	Note
SHLD1	FENCE, EMI, PS, ASSY	342156-0010	
T501	TRANSFORMER, PULSE, 1:0.667	310977-001	3 
T502	XFORMER, OCL, 240uH, W/QUIET TAP, 2PIN-UPL	310658-003	3 
F400	FUSE, TIME LAG, RADIAL, 3.15A, 250V	310538-3150A	3 
FB401	FERRITE, BEAD, 0805, 0.5A, 25%, 1kOHM	373876-102	3 
FB402	FERRITE, BEAD, 0805, 0.5A, 25%, 1kOHM	373876-102	3 
FB501	220 OHM, BEAD, FERRITE, 0603, 2A	322644-221A	
HS1	HEAT SINK, TO-252 (D-PAK)	310759-001	
J200	CONN, HEADER, RTANG, 2 POS, MALE	134290-02	
J201	CONN, W/BOSS, 2.5MM, 4-P, TOP-ENT	283142-010104	
J400	AC CONN, SINGLE PIECE LEADS	301125-001	3 
J401	CONN, FFC, 1mm, S ENTRY, 30POS	255130-030	
J402	CONN, SIDE ENTRY, W/PCB STAB	258436	3 
JP401	JUMPER, 2A, 1206	319408-001	
-	SHIELD, BOTTOM, PS	311564-0010	
-	SHIELD, TOP, PS	311561-0010	
-	INSULATOR, LOWER, PS	311794-0010	3 
-	INSULATOR, UPPER, PS	373397-0010	3 

ELECTRICAL PART LIST

I/O PCB Assembly

Resistors

Reference Designator	Description	Part Number	Note
R201	2.7 OHM, 1206, 1/4W, 5%	124895-2R75	
R202	2.7 OHM, 1206, 1/4W, 5%	124895-2R75	
R205	10K, 0603, .1W, 1%	191465-1002	
R207	100K, 0402, 63MW, 1%	268361-1003	
R208	100K, 0402, 63MW, 1%	268361-1003	
R209	332K, 0603, .1W, 1%	191465-3323	
R210	56.2K, 0603, .1W, 1%	191465-5622	
R211	100K, 0402, 63MW, 1%	268361-1003	
R213	42.2K, 0603, .1W, 1%	191465-4222	
R216	237K, 0603, 0.1W, 1%	191465-2373	
R219	22.6K, 0603, 1/10W, 1%	191465-2262	
R224	200K, 0603, .1W, 1%	191465-2003	
R225	8.06K, 0603, .1W, 1%	191465-8061	
R301	120 OHM, 0603, .1W, 5%	199403-121	
R302	100K, 0603, .1W, 1%	191465-1003	
R303	100 OHM, 0603, .1W, 1%	191465-1000	
R304	22.6K, 0603, 1/10W, 1%	191465-2262	
R305	22.6K, 0603, 1/10W, 1%	191465-2262	
R307	5.49k, 0402, 63MW, 1%	268361-5491	
R308	1.69K, 0402, .063W, 1%	268361-1691	
R309	3.32K, 0402, 63MW, 1%	268361-3321	
R310	10K, 0603, .1W, 1%	191465-1002	
R313	10K, 0603, .1W, 1%	191465-1002	
R314	3.9K, 0603, .1W, 1%	191465-3901	
R315	3.9K, 0603, .1W, 1%	191465-3901	
R316	100K, 0603, .1W, 1%	191465-1003	
R317	332K, 0603, .1W, 1%	191465-3323	
R322	75 OHM, 0402, 63MW, 1%	268361-75R0	
R325	75 OHM, 0402, 63MW, 1%	268361-75R0	
R326	10.0K, 0402, 63MW, 1%	268361-1002	
R401	2K, 0603, .1W, 1%	191465-2001	
R402	2K, 0603, .1W, 1%	191465-2001	
R404	1.5K, ARRAY, SMT, 4 POS, 5%	186433-1524	
R407	10K, 0603, .1W, 1%	191465-1002	
R408	15K, 0402, 63MW, 1%	268361-1502	
R409	120 OHM, 0603, .1W, 5%	199403-121	
R410	6.65K, 0603, .1W, 1%	191465-6651	
R411	100 OHM, 0603, .1W, 5%	199403-101	
R412	332K, 0603, .1W, 1%	191465-3323	
R413	10K, 0603, .1W, 1%	191465-1002	
R416	120 OHM, 0603, .1W, 5%	199403-121	
R501	100 OHM, 0402, 63MW, 1%	268361-1000	
R504	100K, 0603, .1W, 5%	199403-104	
R505	100 OHM, 0402, 63MW, 1%	268361-1000	
R506	100K, 0603, .1W, 5%	199403-104	
R507	100K, 0603, .1W, 5%	199403-104	
R508	100 OHM, 0402, 63MW, 1%	268361-1000	
R509	100K, 0603, .1W, 5%	199403-104	
R600	53.6K, 1206, 1/4W, 1%	124894-5362	
R601	11.5K, 1206, 1/4W, 1%	124894-1152	
R602	1.5 OHM, 1210, 0.5W, 1%	318356-1501	
R603	15.0K, 1206, 1/4W, 1%	124894-1502	
R604	15 OHM, 1206, .25W, 1%	268362-15R0	
R605	15.0K, 1206, 1/4W, 1%	124894-1502	
R606	100K, 2512, 1W, 5%	181895-1003	
R607	1.5 OHM, 1210, 0.5W, 1%	318356-1501	
R608	220HMS, AXIAL, 2W, 5%	361290-0220	
R609	1.15K, 1206, 1/4W, 1%	124894-1151	
R610	510 OHM, 2010, 1/2W, 5%	187608-5115	
R611	510 OHM, 2010, 1/2W, 5%	187608-5115	
VR202	IC, VREG, SW, BUCK, 581kHz, 1.5A, 42V, 10MSOP	328718-0020	
VR301	TVS, ESD, 0603, 24VDC	352782-0010	
VR302	TVS, ESD, 0603, 24VDC	352782-0010	
VR303	TVS, ESD, 0603, 24VDC	352782-0010	
VR304	TVS, ESD, 0603, 24VDC	352782-0010	
VR310	TVS, ESD, 0603, 24VDC	352782-0010	
VR311	TVS, ESD, 0603, 24VDC	352782-0010	
VR312	TVS, ESD, 0603, 24VDC	352782-0010	
VR313	TVS, ESD, 0603, 24VDC	352782-0010	
VR315	TVS, ESD, 0603, 24VDC	352782-0010	
VR316	TVS, ESD, 0603, 24VDC	352782-0010	
VR318	TVS, ESD, 0603, 24VDC	352782-0010	
VR501	IC, VREG, POS, 0.1A, 3.3V, SOT23-5	313363-001	

Capacitors Cont.

Reference Designator	Description	Part Number	Note
C201	10uF, X5R, 0805, 25V, 10%	273592-106E	
C202	1000pF, 0603, X7R, 50V	191470-102	
C203	1uF, 0805, X7R, 10%, 25V	181264-105	
C204	4.7uF, X7R, 1210, FLEX TERM, 50V, 10%	315052-475E	
C206	.01uF, 0805, X7R, 50V, 10%	286499-103	
C207	100uF, EL, SMD, 105, 16V, 20%	306169-101CF	
C209	1000pF, 0603, X7R, 50V	304991-102	
C212	.01uF, 0603, X7R, 50V	191470-103	
C313	100pF, COG, 0603, 50V, 5%	188454-101	
C401	1000pF, COG, 0603, 50V, 5%	188454-102	
C402	1000pF, COG, 0603, 50V, 5%	188454-102	
C403	1000pF, COG, 0603, 50V, 5%	188454-102	
C404	1000pF, COG, 0603, 50V, 5%	188454-102	
C405	1000pF, COG, 0603, 50V, 5%	188454-102	
C406	1000pF, COG, 0603, 50V, 5%	188454-102	
C407	1uF, 1206, X7R, LD, 25V, 10%	306105-105	
C408	1uF, 1206, X7R, LD, 25V, 10%	306105-105	
C409	1uF, 1206, X7R, LD, 25V, 10%	306105-105	
C410	1uF, 1206, X7R, LD, 25V, 10%	306105-105	
C411	1uF, 1206, X7R, LD, 25V, 10%	306105-105	
C412	1uF, 1206, X7R, LD, 25V, 10%	306105-105	
C413	1uF, 1206, X7R, LD, 25V, 10%	306105-105	
C414	1uF, 1206, X7R, LD, 25V, 10%	306105-105	
C415	12pF, COG, 0603, 50V, 5%	188454-120	
C418	12pF, COG, 0603, 50V, 5%	188454-120	
C501	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C502	1000pF, COG, 0402, 50V, 5%	268364-102	
C503	1000pF, COG, 0402, 50V, 5%	268364-102	
C504	1000pF, COG, 0402, 50V, 5%	268364-102	
C505	1000pF, COG, 0402, 50V, 5%	268364-102	
C506	1000pF, COG, 0402, 50V, 5%	268364-102	
C507	1000pF, COG, 0402, 50V, 5%	268364-102	
C600	.0047uF, 0805, X7R, 50V, 10%	286499-472	
C601	10uF, EL, SMD, 105C, 35V, 20%	306245-100EB	
C602	680nF, 1206, X7R, 25V	262063-6845	
C603	330uF, EL, SMD, 105C, 25V, 20%	306169-331EH	
C604	.001uF, 0805, X7R, 50V, 10%	286499-102	
C605	10uF, X5R, 0805, 25V, 10%	273592-106E	
C606	1500pF, X7R, 1206, 500V, 10%	260697-152	
C608	470uF, EL, SMD, 105C, 25V, 20%	306169-471EJ	
C610	470uF, EL, SMD, 105C, 25V, 20%	306169-471EJ	
C616	TRIMMED	323773-0040	
C617	680pF, CER, Y1, FRMD, 10mm LS, 250V, 10%	323670-0060	3 

Inductors

Reference Designator	Description	Part Number	Note
FB300	120 OHM, FERRITE BEAD, CHIP, 0603	259925-121	
FB301	120 OHM, FERRITE BEAD, CHIP, 0603	259925-121	
FB302	120 OHM, FERRITE BEAD, CHIP, 0603	259925-121	
FB300	120 OHM, FERRITE BEAD, CHIP, 0603	259925-121	
L202	22uH, PWR, SMT, 4.71A	348801-220M	
L301	15nH, 0402, 1.1A, 2%	328669-15NXGLW	
L302	15nH, 0402, 1.1A, 2%	328669-15NXGLW	
L303	15nH, 0402, 1.1A, 2%	328669-15NXGLW	
L304	15nH, 0402, 1.1A, 2%	328669-15NXGLW	
L305	90 OHM, 0504, 150mA, C- MODE	324381-090D	
L306	90 OHM, 0504, 150mA, C- MODE	324381-090D	

ELECTRICAL PART LIST

I/O PCB Assembly

Diodes

Reference Designator	Description	Part Number	Note
D202	SCHOTTKY, 40V, 3A, SMB	193847-001	
D600	SWITCHING, SOD123, 1N4148W	257662	
D601	DIODE, RECT, FAST, 600V, 1A	317066-600	
D602	SCHOTTKY, 60V, 3A	307429-60	

Transistors

Reference Designator	Description	Part Number	Note
Q201	MOSFET, P-CH, 30V	298094-001	
Q202	BPLR, P, 40V, 200mA, SOT23	148596	
Q203	MFET, N-CH, SOT-23, 0.3A, 60V	356154-0010	
Q301	MFET, N-CH, SOT-23, 0.3A, 60V	356154-0010	
Q302	MFET, N-CH, SOT-23, 0.3A, 60V	356154-0010	
Q303	MFET, N-CH, SOT-23, 0.3A, 60V	356154-0010	
Q304	PNP, 80V, SOT-23	295966-001	
Q305	PNP, 80V, SOT-23	295966-001	

Integrated Circuits

Reference Designator	Description	Part Number	Note
U201	IC, O/V PROTECT, 5.85V, NCP367, 8DFN	355357-0010	
U301	CONN, RJ45, 2.54mm, S ENT, SHLD, TAB-UP, 8POS	361231-0010	
U401	IC, 2 INPUT NOR GATE X4, 74HC02	260645	
U503	IC, LOGIC, DOWN CNTR, 8 STAGE, 5V, SO16N	355234-0020	
U504	IC, LOGIC, FLIP FLOP, DUAL, 6V, 74HC74, 14SO	359440-0010	
U505	IC, LOGIC, DOWN CNTR, 8 STAGE, 5V, SO16N	355234-0020	
U507	IC, 2 INPUT NOR GATE X4, 74HC02	260645	
U602	IC, VREG, SW, AC-DC, 800V, ALTAIR05T, SO16N	354468-0010	

Miscellaneous

Reference Designator	Description	Part Number	Note
FB300	120 OHM, FERRITE BEAD, CHIP, 0603	259925-121	
FB301	120 OHM, FERRITE BEAD, CHIP, 0603	259925-121	
FB302	120 OHM, FERRITE BEAD, CHIP, 0603	259925-121	
FB300	120 OHM, FERRITE BEAD, CHIP, 0603	259925-121	
J301	CONN, USB, MICRO-B, 5POS, FEMALE	330458-0010	
J302	CONN, USB, TYPE A, SMT	306363-001	
J303	CONN, PHONE, 3.5MM, FEMALE, 7POS, BLK	330462-0010	
J305	CONN, FFC, 0.5mm, S ENTRY, 31POS, W/SHIELD	310623-031	
J400	CONN, FFC, 0.5mm, S ENTRY, 40POS	310573-040	
J401	CONN, FFC, 1mm, S ENTRY, 30POS, BLK	255130-030	
J600	CONN, HEADER, LOCKING, TOP ENTRY	193369-002	

ELECTRICAL PART LIST

Button PCB Assembly

Diodes

Reference Designator	Description	Part Number	Note
VR300	DIODE, TVS, ESD, 0603, 24VDC	352782-0010	
VR301	DIODE, TVS, ESD, 0603, 24VDC	352782-0010	
VR302	DIODE, TVS, ESD, 0603, 24VDC	352782-0010	
VR303	DIODE, TVS, ESD, 0603, 24VDC	352782-0010	
VR304	DIODE, TVS, ESD, 0603, 24VDC	352782-0010	
VR305	DIODE, TVS, ESD, 0603, 24VDC	352782-0010	
VR306	DIODE, TVS, ESD, 0603, 24VDC	352782-0010	

Miscellaneous

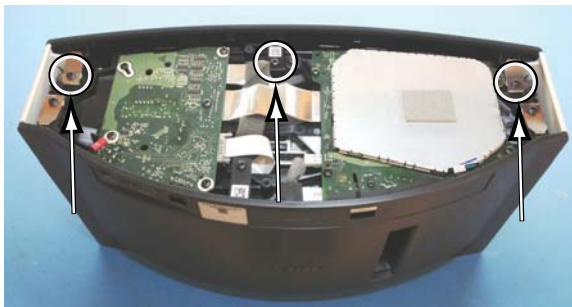
Reference Designator	Description	Part Number	Note
J300	CONN, FFC, 0.5mm, S ENTRY, 10POS, IVRY	349234-0010	

DISASSEMBLY PROCEDURE

1. Grill removal



1.1 Remove the four Phillips-head screws from the bottom baseplate.



1.2 Remove the three screws holding the Grille in place.



1.3 Push down on the grille from the top to release the tabs. Then pull outward from the bottom.

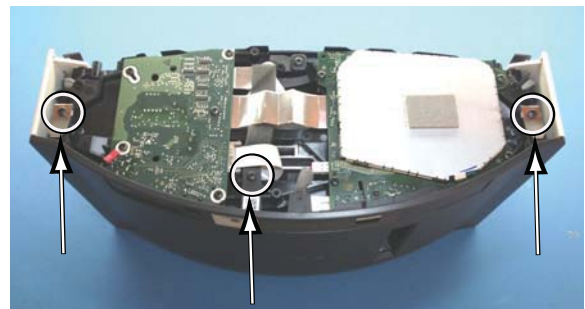


1.3 Disconnect the flex cable from the display board and remove the grille.

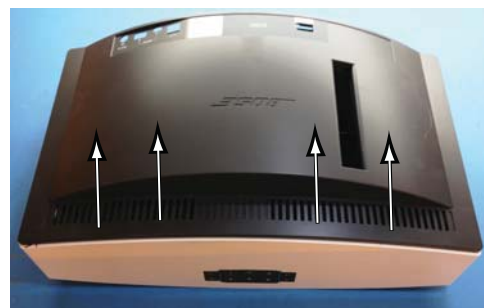
! Important Note: Take ESD precautions when connecting or disconnecting the OLED display. Refer to page 5 for ESD precautions.

Important Note: The display assembly must be replaced with the display assembly listed in the main part list. There are different OLEDs that need to match the display PCB. The display assembly listed in the main part list uses a matched OLED and display PCB.

2. Rear Cover Removal

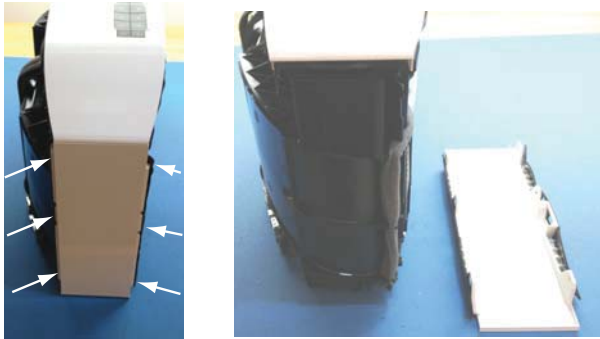


2.1 Remove the three screws holding the rear cover in place.



DISASSEMBLY PROCEDURE CONTINUED

3. Left and Right End Cap Removal



3.1 Remove the six screws securing the left End Cap. Repeat this step for the Right End Cap.

4. Top Cap Removal



4.1 Remove the foam tape covering the top cap screws.

4.2 Remove the four screws from the front side of the assembly.

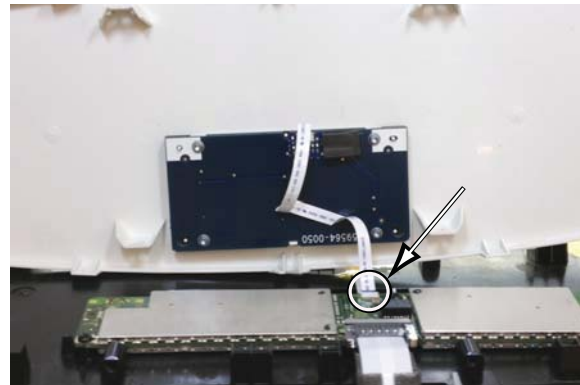


4.3 Remove the foam tape covering the screws holding the top cap to rear side of the assembly.

4.4 Remove the four screws from the rear side of the assembly.

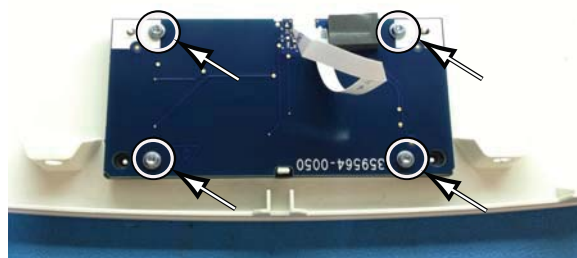


4.5 Grab the front middle section of top cover and pull upward to release the cover.



4.6 Remove the cable from the button board, then remove the top cap.

5. Button Board Removal

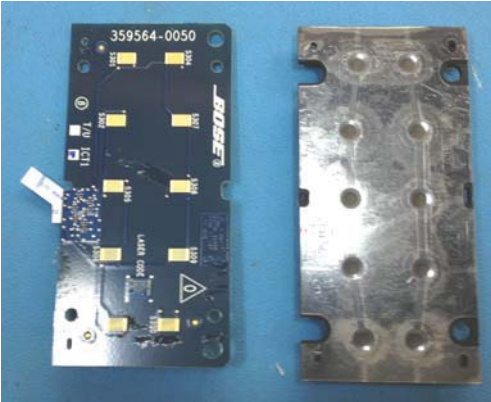


5.1 Remove the four Phillips-head screws from the button board.

Button Board Removal
continued on next page.

DISASSEMBLY PROCEDURE CONTINUED

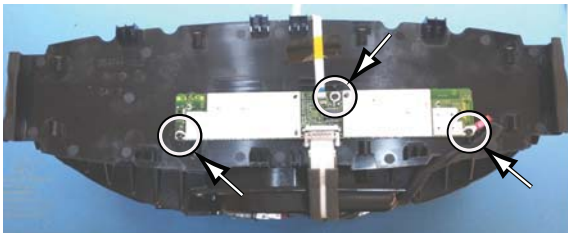
Button Board Removal Continued



6.1 The key pad and the button board are attached by PSA (Pressure Sensitive Adhesive). When replacing the button board, pull the key pad way from the board and replace both parts.

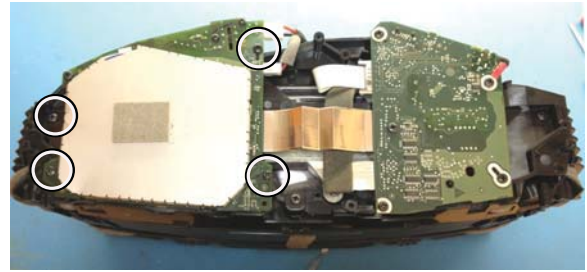
Key pad part number - 354213-0020
Button board part number - 359563-0010

7. SoundTouch™ Common Module Removal



7.1 Disconnect the Common Module connector and remove the three screws securing the board.

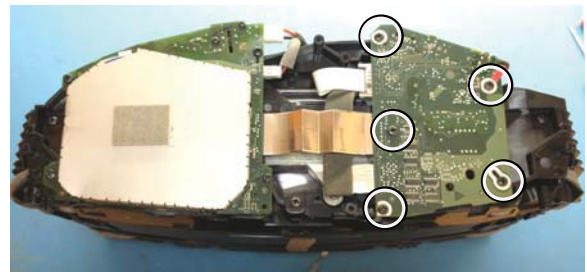
8. Power Supply PCB Removal



8.1 Remove the four screws holding the power supply board to the assembly.

8.1 Disconnect connectors J200, J201, J401 and J402 to completely remove the board.

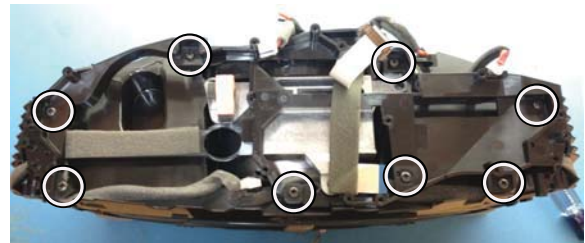
9. I/O PCB Removal



9.1 Remove the five screws holding the I/O board to the assembly.

9.2 Disconnect connectors J305, J400, J401 and J600 to completely remove the board.

10. Woofer Removal

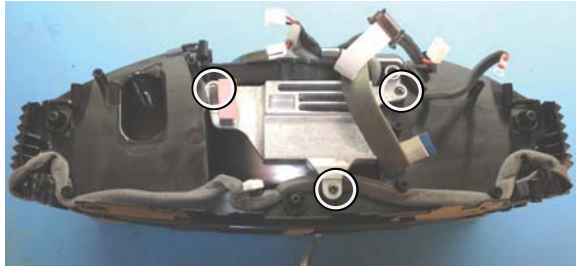


10.1 Remove the 8 screws holding the bottom bracket to the acoustic enclosure.

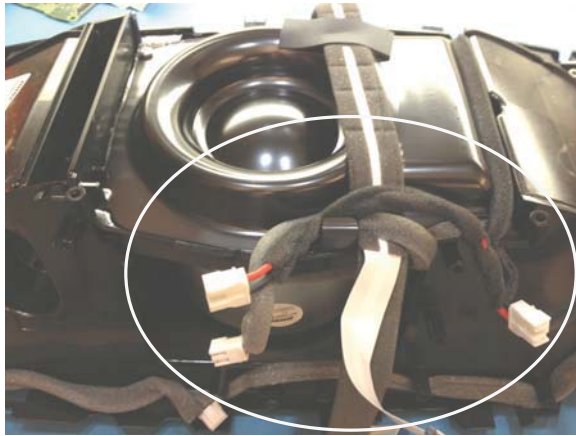
Woofer removal
continued on next page.

DISASSEMBLY PROCEDURE CONTINUED

Woofer Removal Continued



10.2 Remove the three screws from the heatsink.



10.3 Before removing the woofer cover, take note of the cable locations shown above for reassembly.



10.4 Remove the three screws holding the woofer cover in place.



10.5 Remove the four screws securing the woofer to the acoustic assembly to remove the driver.

TOP CAP, END CAP, GRILLE AND REAR COVER INSTALLATION

Aligning the Top Cap, End Cap, Grille and Rear Cover

Alignment of the outer cosmetic parts on the SoundTouch® 30 is critical during reassembly. Follow the instructions below to ensure the top cap, end cap, grille and rear cover are aligned correctly based on the measurements on pages 27 and 28 of this service manual.

1. Top Cap installation

1.1 Push down on the top cap and install the 4 middle screws.

1.2 Install the 4 outside screws and push down on the end of the top cap assembly as the screws are being installed.
Apply pressure downward when installing the front and rear outside screws



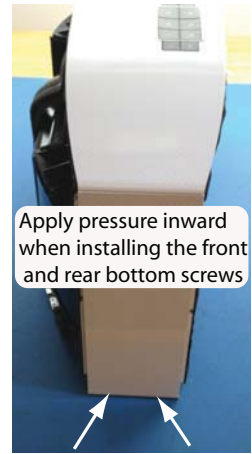
2. End Cap Installation

2.1 Install the two screws at the top of the end cap, squeezing the top cap and the endcap together as the screws are installed.



2.2 Install the two middle screws to the end cap making sure the top cap does not hang over the end cap.

2.3 Install the two bottom screws while applying pressure inward at the bottom of the end cap.



2. Grille Installation

2.4 Install the three screws to secure the grille to the assembly. Squeeze the grille and the end cap together as the screws are installed.

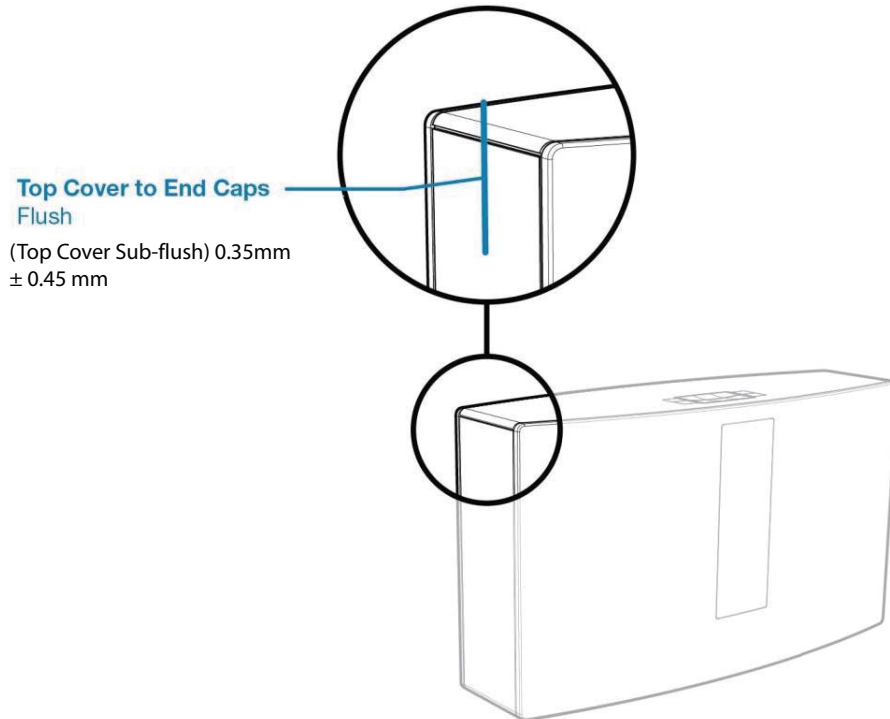


2. Rear Cover Installation

2.5 Install the three screws to secure the rear cover to the assembly. Squeeze the rear cover and the end cap together as the screws are installed.

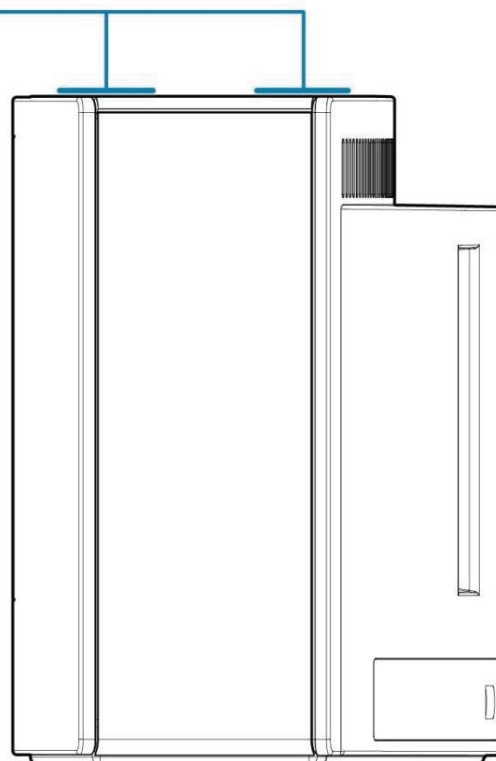


TOP CAP, END CAP, GRILLE AND REAR COVER INSTALLATION

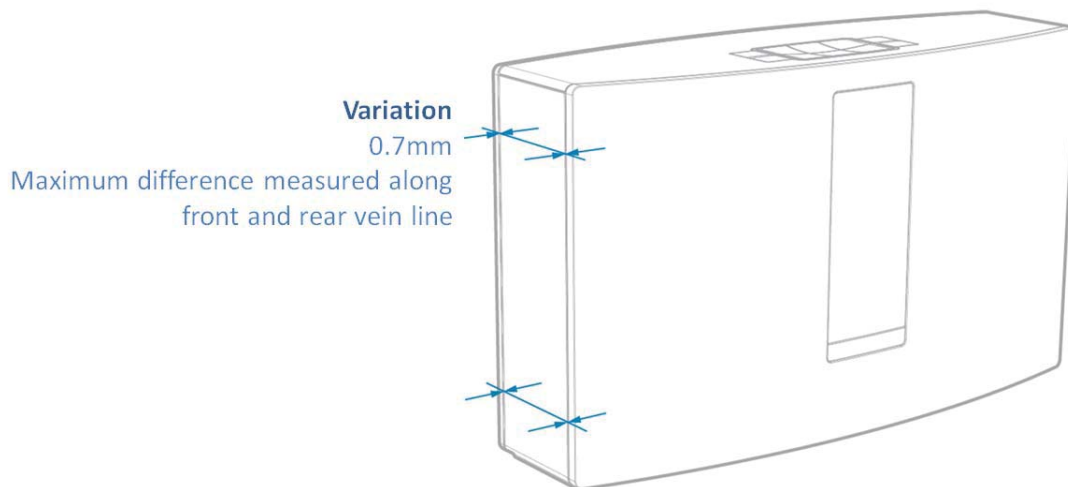
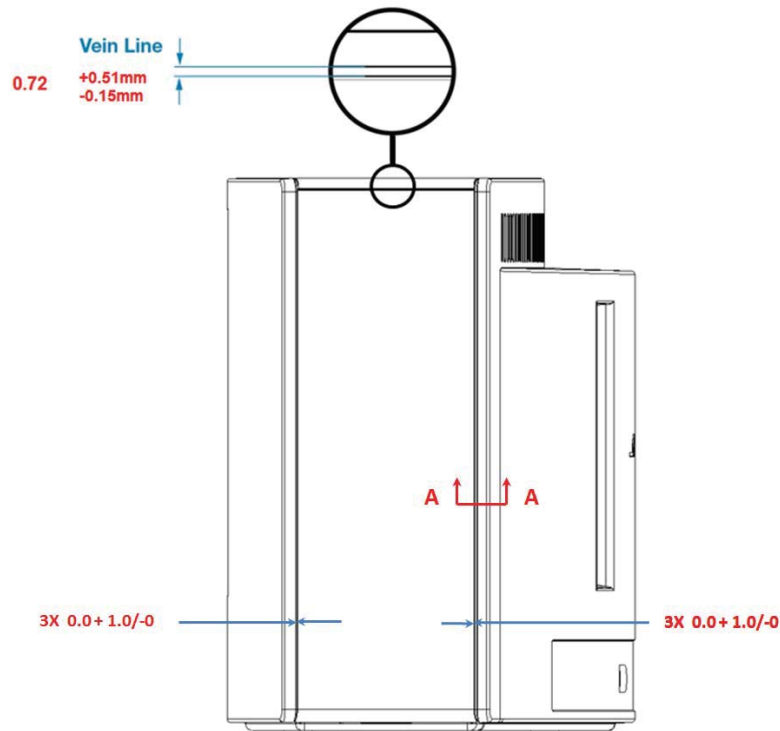
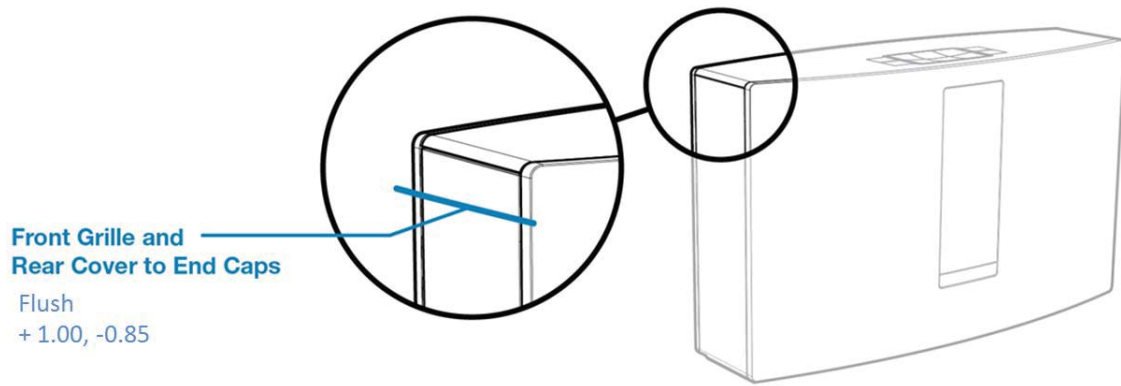


**Grille and Back Cover
to Top Cap**
Nominal: Flush Flush
+ 0.85 mm
- 0.80 mm

NOTE: Flushness at top is
priority. Tolerance runs
out at bottom.



TOP CAP, END CAP, GRILLE AND REAR COVER INSTALLATION



AUDIO TEST PROCEDURES

SoundTouch® 30 WiFi Music System Functional Tests

Equipment Required

Audio Signal Generator

Notes:

1. Begin the test with no power applied.
2. Confirm the Audio Signal Generator output is set to zero volts before connecting.

1. Twiddler™ Air Leak Test

1.1 Connect the audio signal generator to the mini jack AUX input on the back of Sound-Dock 10.

1.2 Set the signal generator output to:

- A. Voltage = 0V
- B. Frequency = 250Hz +/- 10%

1.3 Apply power to the SoundTouch 30 and select AUX. Set volume to 60% by using the volume control.

1.4 Set the Signal generator output to:
A. Input Voltage = 1.0Vrms +/- 10%
B. Frequency = 250Hz +/- 5Hz

1.5 Listen for air leaks around all the cabinet seams, joints, and wire harness through-holes.

PASS if no audible air leaks can be heard at a distance of less than 1ft (0.3M) from any exterior surface of the enclosure.

FAIL if any air leaks can be heard at a distance less than 1ft (0.3M) from any exterior surface of the enclosure.

2. Woofer Air Leak Test

2.1 Set the signal generator output to:

- A. Input Voltage = 0.570 Vrms +/- 10%
- B. Frequency = 44Hz +/- 5Hz

2.2 Listen for air leaks around all the cabinet seams, joints, and wire harness through-holes.

PASS if no audible air leaks can be heard at a distance of less than 1ft (0.3M) from any exterior surface of the enclosure.

FAIL if any air leaks can be heard at a distance less than 1ft (0.3M) from any exterior surface of the enclosure.

3. Left / Right Driver Test

3.1 Apply an input signal to the SoundTouch left channel only. Set generator as in step 1.3 and 1.4, except set the frequency to 800Hz and confirm that only the left driver plays.

3.2 Reduce generator output to zero volts

3.3 Repeat step 3.1 for the right channel.

3.4 Reduce input signal to zero volts and reconnect the right channel.

4. Frequency Sweep Test

4.1 Set audio signal generator to:
A. Voltage = 0.06 Vrms $\pm$ 10%
B. Sweep range = 35Hz - 3KHz $\pm$ 10%

4.2 Execute the sweep for a minimum of 3 seconds up and 3 seconds down.

4.3 Listen for any extraneous noises such as buzzes, rattles, ticks, and distortion.

PASS if no noise can be heard at a distance of less than 1ft (0.3M).

FAIL if any noise can be heard at a distance less than 1ft (0.3M).

4.4 Reduce the input signal to zero volts.

TAP COMMAND SET UP

SoundTouch® 30 WiFi Music System TAP command set up

Equipment Required

Hardware

Computer w/serial port
RS232 to TTL converter
Lifestyle® ETAP Cable, P/N 264565
Soundlink® ETAP adapter P/N 347062-0005

Software

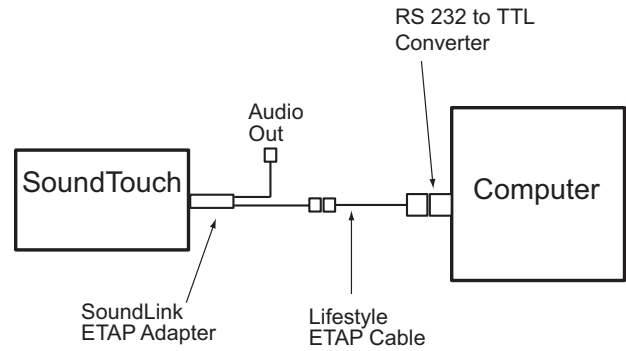
TeraTerm terminal emulator
(Download at <http://sourceforge.jp/projects/ttssh2/>)

Notes: TAP commands can be sent to the SoundTouch 30 system by connecting a PC to the AUX IN connector.

An ETAP cable, ETAP Cable adapter and RS232 to TTL Converter are required for this communication. Both ETAP cables are available from Bose® (see part numbers above). The RS232 to TTL Converter is made by B+B electronics, model number 232LPTTL. It can be purchased online at <http://www.bb-elec.com>.

TAP commands are needed for the following procedures:

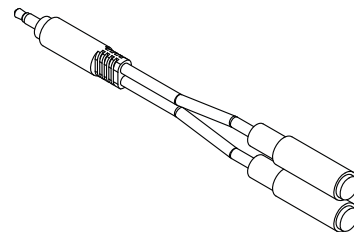
- A. WiFi Link Test
- B. Serial Number Programing
- C. Setting WiFi Country Code
- D. Setting the Variant
- E. Loading an End User Software Image to a new Wi-Fi PCB.



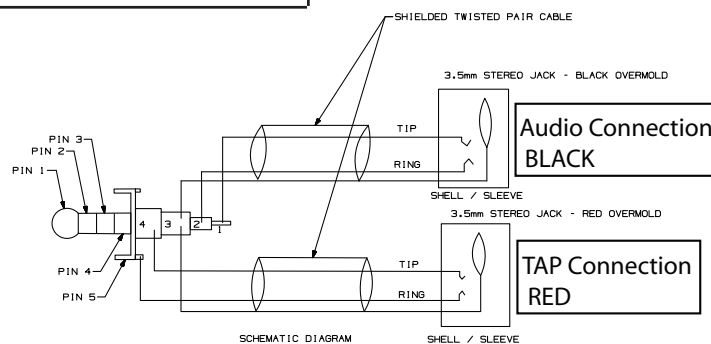
ETAP Block Diagram



**B+B Electronics model 232LPTTL
RS232 to TTL converter**



Drawing of Soundlink ETAP Cable Adapter



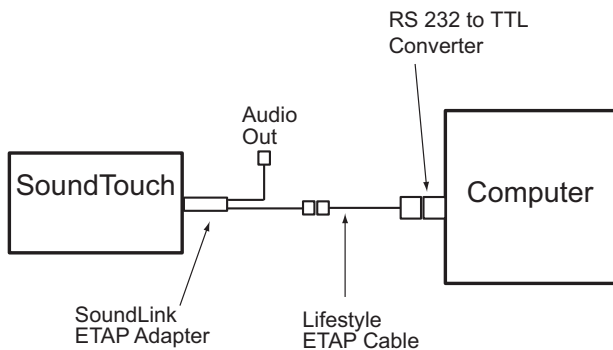
Schematic Drawing of Soundlink ETAP Cable

TAP COMMAND SET UP CONTINUED

1. Tera Term Terminal USB set up

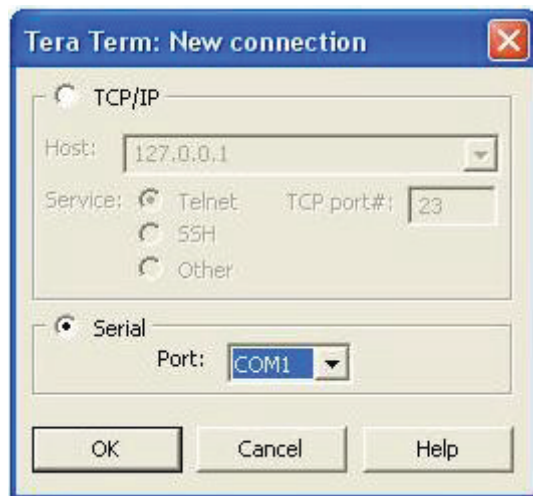
Tera Term is a terminal emulator and can be downloaded at <http://sourceforge.jp/projects/ttssh2/>. It is the interface used to send commands to the SoundTouch™ 30 product.

1.1 Connect the SoundTouch as shown in the diagram below.

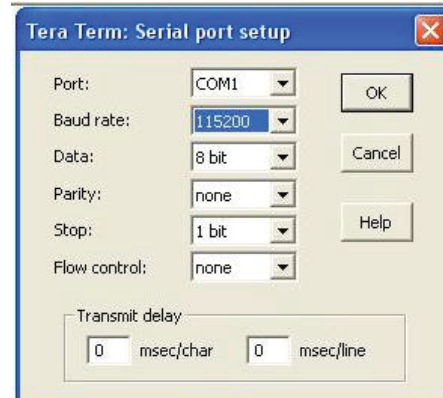
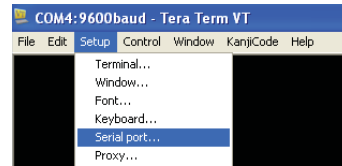


2. Teraterm set up

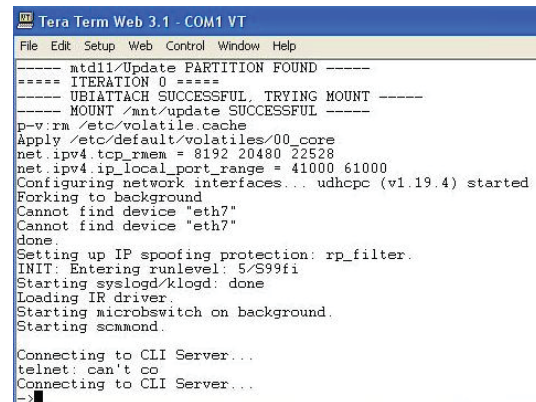
2.1 Launch a Tera Term terminal window and select serial communication and as shown below.



2.2 Select setup, then serial port to set the baud rate to 115,200 data to 8 bit, parity to none, stop to 1 bit and flow control to none.



2.3 Connect power to the SoundTouch 30. The product will boot, and the Tera Term window will display the boot information.



WI-FI PCB REPLACEMENT SETTINGS

Important! The replacement Wi-Fi PCB needs to have various settings performed and end user software loaded. Below are the steps that need to be performed when a replacement Wi-Fi PCB is used.

Refer to TAP command setup on page 38-39

Note: A Tera-Term macro that includes the TAP commands below is available for download on the product's repair information page. Place the macro file in the same folder as your Tera-Term program. Open Tera-Term, select Control, Macro, WIFI_module_settings.ttl. Once the macro runs, follow the prompts.

1. Set Country Code

The country code determines the allowable Wi-Fi frequencies for where the product is sold.

1.1 Type

/opt/Bose/mfgdatatool -w countrycode XX

Where XX equals: **(UPPERCASE)**

- CN - Australia, Hong Kong, China, UAE, India
- GB - Germany, Austria, Switzerland, Italy, France, Belgium, Netherlands, Denmark, Sweden, Norway, Finland, UK, Hungary, Poland
- US - USA, Canada, Latin America
- TW - Taiwan
- JP - Japan

2. Set Region Code

The region code determines the allowable power levels for where the product is sold.

2.1 Type

/opt/Bose/mfgdatatool -w regioncode XX
(UPPERCASE)

- GB - Australia, Hong Kong, China, UAE, India, Germany, Austria, Switzerland, Italy, France, Belgium, Netherlands, Denmark, Sweden, Norway, Finland, UK, Hungary, Poland
- US - USA, Canada, Latin America, Taiwan
- JP - Japan

3. Set Variant

3.1 Type (lowercase)

/opt/Bose/mfgdatatool -w variant spotty

(spotty = SoundTouch 20)

3. Set Serial Number

3.1 Type

/opt/Bose/mfgdatatool -w sn 1 serial number

Where serial number equals the 17 digit serial number located on the product's label.

4. Set Variant Mode

4.1 Type (lowercase)

/opt/Bose/mfgdatatool -w variantmode normal

5. Verify settings

5.1 Type

/opt/Bose/mfgdatatool -p

The system settings will be displayed.

6. Load End User Software Image

6.1 Download the latest software from the site below and load it onto a USB thumb drive.

http://worldwide.bose.com/downloads/en/web/soundtouch_updates_usb/page.html

6.2 Insert the thumb drive into the units Setup B USB port.

6.3 Reboot the unit. While the unit is booting, press and hold the shift key while repeatedly pressing "U" until you see the Uboot prompt. U-Boot#

6.4 Type "sweup uboot".

6.5 When the update is complete, remove and reapply power. The unit's display will show the picture of the owners guide. This indicates it now has the end user software image.

Note: Units with the manufacturing software image will have a screw driver and wrench on the display and the words Test Mode.

WI-FI TEST PROCEDURE

1. Wi-Fi Functional Test Set Up

This test uses TAP commands to connect the product to a Wi-Fi network and stream audio from a Bose® URL. Refer to pages 31 and 32, TAP Command Setup. The Bose® SoundTouch® application can be used in place of this test. Note: Do not download the audio file from the test URL.

Note: A Tera-Term macro that includes the TAP commands below is available for download on the product's repair information page. Place the macro file in the same folder as your Tera-Term program. Open Tera-Term, select Control, Macro, wifi_test.ttl. Once the macro runs, follow the prompts.

2. Connecting to a Wi-Fi Router

2.1 Turn on asynchronous response
->async_responses on

2.2 Add router name and password
->network wifi profiles add ROUTERNAME
wpa_or_wpa2 PASSWORD

2.3 Wait for the Wi-Fi indicator on the product's display to turn solid white. This may take up to a minute. If the indicator does not turn white, enter the TAP command again.

3. Testing the Wi-Fi Module.

3.1 View Current system configuration
"getpdo CurrentSystemConfiguration" will print
out the current values

3.2 Enter location of demo URL
"sys configuration DemoAudioURL http://
worldwide.bose.com/downloads/assets/audio/
take5.mp3"

3.3 Enable Demo
"sys configuration DemoNetworkEnabled
true"

3.4 Enter Demo mode
"demo enter"

3.5 Exit Demo Mode
"demo exit" or "sys reboot"

4. Factory Default Unit

4.1 Enter the TAP command
sys factorydefault

4.2 Provide the customer instructions for re-connecting their system to their Wi-Fi network. Download instructional sheet on the repair information page.

FUNCTIONAL TEST PROCEDURES

SoundTouch® 30 WiFi Music System Miscellaneous Tests

1. IR Remote Test

1.1 Confirm power is applied.

1.2 Press each button on the remote control confirming the display reacts to each button press.

2. Keypad Button Test

2.1 Confirm power is applied to the SoundTouch 30.

2.2 Press each button the SoundTouch 30 keypad confirming the display reacts to each button press.

3. USB Port Functional Test

3.1 Connect the SoundTouch 30 to a computer as shown in the TAP command set up documented on pages 23 and 24.

3.2 Type the command "local_services on" and <enter>. Then press CTRL-C on the keyboard. Then send the command "e" and <enter>. A command line mojo login: should be displayed on the computer.

3.3 Type the command root and <enter>. This will cause the command line to change to root@mojo:root#.

3.4 Connect a USB thumb drive into the USB port located on the back of the product.

3.5 Type the command "lsusb".

3.6 Verify the USB memory stick lights up and the name of the USB memory stick is visible.

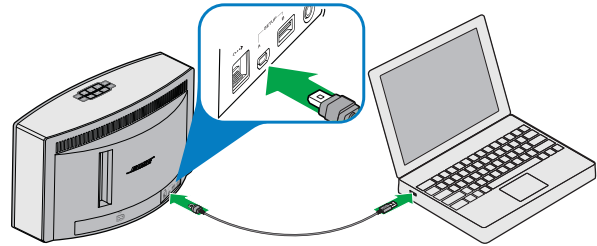
3.7 Send the command "rm /mnt/nv/local_services" and <enter>.

3.8 Send the command "sync" and <enter>.

3.9 Send the command "exit" and <enter>. This will return to the TAP interface (CLI) and a TAP command line "->" should be shown.

4. Micro USB Port Functional Test

4.1 Using a micro USB to standard USB cable, insert a micro USB end of the cable into the SoundTouch connector labeled SETUP A (micro USB). Plug the other end of the cable into a USB port on the computer. Ensure that cable is properly seated.



4.2 Open your device manager and look under Network Adapters. You should see the SoundTouch 20 as an adapter.

Directions: On your computer, click on Start and navigate to Run. In the window that opens, enter "mmc devmgmt.msc". The device manager will open. In the device manager, expand the network adapters, you should see the SoundTouch 30 as an adapter.

5. Ethernet Connector Functional Test

5.1 Insert an Ethernet cable into the Ethernet connector on the SoundTouch system. Connect the other end of the cable to the router.

5.2 The LED lights on the Ethernet connector from the SoundTouch should light up yellow and green after a few seconds indicating that this connector is functioning.

SERIAL NUMBER AND COUNTRY CODE PROGRAMING

Perform both of these procedures any time the Wi-Fi Module is replaced.

Download two macros from the SoundTouch® product's repair information page located on <http://serviceops.bose.com>. Place these macros in the Tera Term program folder.

```
set_variant_sm2.ttl
set_country_code_sm2.ttl
set_region_code_sm2.ttl
set_serial_number_sm2.ttl
```

1. Set the Variant

1.1 Connect the SoundTouch 20 to a computer as shown in the TAP command set up procedure on pages 44 and 45.

1.2 Within Tera Term, select Control then Macro and Select the file -
"set_variant_sm2.ttl"

1.3 Follow the prompts. Select the appropriate product.

- rhino = SoundTouch 10
- spotty = SoundTouch 20
- mojo = SoundTouch 30
- lisa = SoundTouch adapter

2. Setting the Country Code

2.1 Connect the SoundTouch 20 to a computer as shown in the TAP command set up procedure on pages 44 and 45.

2.2 Within Tera Term, select Control then Macro and Select the file -

2.4 Follow the prompts. Select the appropriate country code to ensure the proper wi-fi channel is set

- AU – Australia
- EU – Germany, Austria, Switzerland, Italy, France, Belgium, Netherlands, Denmark, Sweden, Norway, Finland, UK, Hungary, Poland
- US – Canada and USA
- TW – Taiwan
- MX – Mexico
- JP – Japan
- AP – Hong Kong, UAE, India, China

3. Setting the Region Code

3.1 Connect the SoundTouch 20 to a computer as shown in the TAP command set up procedure on pages 44 and 45.

3.2 Within Tera Term, select Control then Macro and Select the file -
"set_region_code_sm2.ttl"

3.3 Follow the prompts. Select the appropriate country code to ensure the proper wi-fi power output is set.

4. Setting the Serial Number

4.1 Connect the SoundTouch 20 to a computer as shown in the TAP command set up procedure on pages 44 and 45.

4.2 Within Tera Term, select Control then Macro and Select the file -
"set_serial_number_sm2.ttl"

4.3 Follow the prompts.

Note: The serial number can be read by pressing the Volume - button and the number 5 at the same time for 5 seconds for system information. Use the Volume - and + button to toggle through system information.

TAP COMMANDS

1. Connect to Router

1.1 Turn on asynchronous response

->async_responses on

1.2 Add router name and password

->network wifi profiles add ROUTERNAME
wpa_or_wpa2 PASSWORD

2. Play Song from Demo URL

2.1 View Current system configuration
“getpdo CurrentSystemConfiguration” will
print out the current values

2.2 Enter location of demo URL
“sys configuration DemoAudioURL http://
worldwide.bose.com/downloads/assets/audio/
take5.mp3”

2.3 Enable Demo
“sys configuration DemoNetworkEnabled true”

2.4 Enter Demo mode
“demo enter”

2.5 Exit Demo Mode
“demo exit” or “sys reboot”

3. Enter Manufacturing mode

3.1 Type “local_services on”

3.2 Press “Ctrl C”

3.3 Type “e”

3.4 At the login prompt, Type “root”

3.5 At the “root@codename:~#” Type
/opt/Bose/mfgdatatool -w variantmode mfg

3.6 Type “reboot”

The system will reboot in manufacturing
mode. The status bar will be partial.

4. Set Country Code

4.1 Enter Manufacturing Mode - procedure 3.

4.2 Type
/opt/Bose/mfgdatatool -w countrycode XX

Where XX equals:

- AU – Australia
- EU – Germany, Austria, Switzerland, Italy, France, Belgium, Netherlands, Denmark, Sweden, Norway, Finland, UK, Hungary, Poland
- US – Canada and USA
- TW – Taiwan
- MX – Mexico
- JP – Japan
- AP – Hong Kong, UAE, India, China

5. Set Variant.

5.1 Enter Manufacturing Mode - procedure 3.

5.2 Type
/opt/Bose/mfgdatatool -w variant XX

Where XX equals:

rhino = SoundTouch 10
spotty = SoundTouch 20
mojo = SoundTouch 30
lisa = SoundTouch adapter

TAP COMMANDS CONTINUED

6. Set Serial Number

6.1 Enter Manufacturing Mode (Procedure 3)

6.2 Type

`/opt/Bose/mfgdatatool -w sn 1 serial number`

Where serial number equals the 17 digit serial number located on the product's label.

7. Software Version

7.1 "sys ver"

The unit will reply with something similar to the following, significant digits are bold:

BoseApp version: **9.0.20**.21985.1290890
epdbuild.Release2_2015.hepdswbld05.2015-06-16T11:50:25

8. Display Test (OLED)

8.1 Enter TAP command 'local_services on'

8.2 Press Control C and then type 'e' and then enter.

8.3 At the mojo login, enter TAP command 'root'.

8.4 Enter TAP command 'cd /opt/Bose'

8.5 At the root@Taigan:Bose prompt, enter the following TAP commands to display different sections of the display.

`cat oled_pattern_left_bar.raw > /dev/fb`

`cat oled_pattern_center_bar.raw > /dev/fb`

`cat oled_pattern_right_bar.raw > /dev/fb`

`cat oled_pattern_cols.raw > /dev/fb`

`cat oled_pattern_rows.raw > /dev/fb`

`cat oled_pattern_outline.raw > /dev/fb`

8.6 To return unit to normal mode, Enter TAP command 'rm /mnt/nv/local_services'
Enter TAP command 'sys reboot'

9. Factory Default

9.1 Enter TAP command 'sys factorydefault'

BACK DOOR KEY PRESSES

1. System Information

1.1 Press and hold the Volume minus and Preset 5 buttons to bring up System Information. Use the Volume minus and plus button to toggle through the items.

1. MAC address information

1.1 Wi-Fi MAC address 1

1.2 Wi-Fi MAC address 2

1.3 Ethernet MAC address

2. Network Information

2.1 Connected?

2.2 Connection Type

2.3 IP Address

2.4 SSID

2.5 RSSI (Received Signal Strength), rates
Wi-Fi signal received strength

2.6 Channel

3. System Information

3.1 Component ID

3.2 System Serial number

4. SoundTouch Information

4.1 Serial Number

4.2 Software Version

5. SoundTouh Controller Information

5.1 Connected?

5.2 Serial Number

2. Factory Default

2. Press and hold the Volume (-) minus and Preset 1. The system will return to factory default settings and reboot.

3. Software Update

3.1 Press and hold the Volume (-) minus and Preset 4 to initiate a software update.

3.1.1 The unit will download software from the update over Wi-Fi.

3.1.2 While applying power and holding the Volume minus and Preset 4 button, the unit will load software from a thumbdrive inserted in its USB port.

4. Alternate Setup (connect unit to Wi-Fi network)

4.1 Press and hold the Volume (-) minus and Preset 2 to initiate alternate setup mode.

4.2 Connect a smartphone to the unit's Bose® Soundtouch Wi-Fi network.

4.3 The units Wi-Fi setup page IP address will be shown on the unit's display. Enter the IP address into smart phone browser and follow the directions on the page.

5. Disable/Enable Networking

5.1 Press and hold the Volume (-) minus and Preset 3 to enable or disable networking.

HI-POT TEST

SoundTouch® 30 WiFi Music System HI-POT test

1. Hi-Pot Test

THIS IS A MANDATORY TEST

CAUTION - All units that are disassembled as part of a repair **MUST** be Hi-Pot tested before being returned to the customer.

This test applies a high voltage to the AC line cord and measures the current leakage to the chassis and/or other metal parts on the outside of the unit to check for potential shock hazards.

If the unit fails Hi-Pot test, it must be returned to the technician for troubleshooting and repair of the problem, after which it must be Hi-Pot tested again to ensure that it now passes the test.

Hi-Pot Tester Settings:

Type of product: 120 VAC 2-wire Class II
Test Voltage: 1500 VAC
Trip Current Limits: 2mA min, 6mA max
Ramp: 1 sec
Dwell: 2 sec

Type of product: 220 VAC 2-wire Class II
Test Voltage: 2500 VAC
Trip Current Limits: 2mA min, 6mA max
Ramp: 1 sec
Dwell: 2 sec

2. Hi-Pot Test Procedure

2.1 Connect the positive side (hot) of the Hi-Pot tester to both terminals of the AC mains input.

2.2 Connect the return of the Hi-Pot tester to all connections on the 3.5mm audio jack, ground shell on either USB connector and all points on the Ethernet connector.

2.3 Connect the continuity check terminal of the Hi-Pot tester to the shell of the USB. (all grounds are connected to the same point internal to the product, so only a single connection point is required).

This test must be performed only after the system has been completely assembled. Failure of this test indicates a faulty transformer, defective or incorrectly dressed primary wiring, improperly attached leads, surface contamination of either the power supply board or the I/O connector board, or incorrectly adjusted trip point on tester.

SERVICE MANUAL REVISION HISTORY

Date	Revision Level	Description of Change	Change Driven By	Pages Affected
09/2015	00	Document released at revision 00	Service Manual release	All
1/2016	01	Added WiFi PCB, I/O PCB and FFC part numbers for the new Hirose connector	New cable design	5, 8

SPECIFICATIONS AND FEATURES SUBJECT TO CHANGE WITHOUT NOTICE



Bose Corporation
The Mountain
Framingham Massachusetts USA 01701

P/N: 738102-SM Rev. 01 9/2015 (H)
<http://serviceops.bose.com>