# IC-S

## **GENERAL DESCRIPTION**

The IC-S is a single-channel speaker station designed for use with an external microphone. There are four versions of the IC-S; all identified by the same model name, but distinguished from one another by certain features. For purposes of documentation, the four versions will be designated according to features as follows:

- 1. IC-SF: Wall-mounted station without light signal (no indicator light on front panel).
- 2. IC-S: An IC-SF mounted in a carrying case with rear panel audio connectors.
- 3. IC-SF/LS: Wall-mounted station with light signal (has indicator light on front panel).
- IC-S/LS: An IC-SF/LS mounted in a carrying case with rear panel audio connectors.

## SPECIFICATIONS

#### **Frequency Response:**

Transmit: 150-7,000 Hz +1, -3 dB. Receive: 180-6,000 Hz +1, -3 dB for phones. 200-5,000 Hz usable for speaker.

#### Equivalent Input Noise:

Mic Input: 2 microvolts (-116 dBV) 150-7,000 Hz.

#### Input Level:

Mic: 5 millivolts nominal, 12 millivolts maximum. Line: 1 volt (0 dBM) nominal, 4 volts (12 dBM) maximum.

#### Input Impedance:

Mic: Greater than 5,000 ohms. (Designed for use with 50-600 ohm microphones). Line: Greater than 10,000 ohms. Transformer coupled.

#### **Output Impedance:**

Phones: 60 ohms (Designed for use with 150-600 ohm phones.)

#### **Output Power:**

Phones: 75 milliwatts into 150 ohms. Speaker: 2 watts into 8 ohms. Line: 10 milliwatts (+10 dBM).

#### **Speaker Acoustic Output:**

100 dB SPL at 1 meter on axis at full power.

#### **Total Harmonic Distortion:**

Mic to line: 1% at 10 milliwatts. Line to phones: 1% at 75 milliwatts.

#### **Common Mode Rejection:**

Line: 40 dB at 60 Hz.

#### Voltage Gain:

Mic to line: 200 (46 dB). Line to phones: 24 (28 dB) adjustable to zero.

#### **Speaker Attenuation:**

With mic only connected: 0 dB. With headset connected (mic + phones): 6 dB. With -10 switch: 10 dB (non-LS units only). With headset and -10 switch: 16 dB (non-LS units only).

#### **Power Requirements:**

Voltage: 24 Vdc nominal. Will operate on 12-30 Vdc. Current: No signal - 25 milliamps. Average talk - 60 milliamps. Signalling (LS units only) - 60 milliamps.

#### **Dimensions (connectors not included):**

IC-S, IC-S/LS: 10.25 inches (260.35 mm) wide x 7.7 inches (195.6 mm) high x 3.75 inches (95.25 mm) deep. IC-SF, IC-SF/LS: 9 inches (228.6 mm) wide x 7 inches (177.8 mm) high x 2.75 inches (69.85 mm) deep behind front panel. If unit is installed using screw-clamp terminals, wire wrap pin may be cut off; depth reduces to 2.38 inches (60.45 mm).

#### Connectors:

IC-S, IC-S/LS: Mic/headset - one XLR-4M. Line - one XLR-3M and one XLR-3F wired in parallel.

IC-SF, IC-SF/LS: Mic/headset - one XLR-4M. Line - three combination screw-clamp, wirewrap terminals (screw-clamps will accept No. 22 - No. 14 AWG stranded or solid wire). External power -three combination screwclamp, wire-wrap terminals (use optional).

## INSTALLATION

#### IC-S and IC-S/LS

These stations may be connected to the intercom line using prefabricated cables with XLR-3 end connectors, or cables may be made to lengths as required and terminated with XLR-3 cable connectors.

#### IC-SF and IC-SF/LS

When powering from the intercom line:

- 1. Refer to the label on the rear cover.
- 2. Connect the two intercom line wires to the LINE terminals.
- 3. Connect the dc return wire to the SHLD terminal.
- 4. Connect a jumper between the +24 and PH terminals (disregard this step with factory-fresh units jumper should already be in place).

When powering from a separate dc supply:

- 1. Refer to the label on the rear cover.
- 2. Connect the two intercom line wires to the LINE terminals.

- 3. Remove the jumper between the +24 and PH terminals.
- 4. Connect the "+" lead of the supply to the +24 terminal.
- 5. Connect the "-" lead of the supply to the COM terminal.

When all connections are completed, mount unit in electrical box using the four screws supplied.

## **OPERATION**

**Speaker/Headphone VOLUME Control:** Adjusts listen level only. Does not affect mic level.

**SPEAKER Switch (IC-S, IC-SF):** This is a threeposition switch. In the ON position, the speaker has normal volume output. In the -10 dB position, speaker output is reduced. In the OFF position, there is no speaker output. The - 10 dB and OFF positions do not affect the headphone or microphone levels.

SPEAKER ON/OFF and CALL Switch (IC-S/LS,

**IC-SF/LS):** This is a three-position switch. The ON and OFF positions turn the speaker on and off but do not affect the headphone output or microphone level when using a headset. The CALL position is used for light signalling. In the CALL position, with the switch held continuously, an inaudible signal is sent to all other stations on the line. On those stations with light signalling the Call Indicator lights will illuminate. When another station responds verbally, release the switch and it will automatically return to the ON position for two-way voice communication.

**Mic/Headset Connector:** Accepts a push-to-talk microphone or a headset with dynamic microphone and headphones.

**Call Indicator Light (IC-S/LS, IC-SF/LS):** Provides a visual indication when the station is being called.



**IC-S Reference Guide** 



**IC-S Mechanical Exploded View** 

## IC-S Mechanical Parts List

All parts used on all versions unless otherwise specified \*

1     Cover, End (IC-S, IC-S/LS)     92913-000       2     Screw, 6-32 × ½ (IC-S, IC-S/LS)     54993-097       3     Nut, Hex, No. 6     52188-008       4     Washer, Lock, No. 6     50014-001       5     Speaker, 5-Inch, 8-Ohm     57823-000       6     Chassis     92006-000       7     Washer, Lock     50014-004       8     Nut, Hex     50033-001       9     Panel, Front     92204-000       10     Screw, 6-32 x1 (IC-S, IC-S/LS)     51845-098       11     Microphone Hanger     63356-001       12     Washer, Lock     50014-103       13     Screw, 4-40 x ½     51845-128       14     Knob     53432-116       15     Screw, 4-40 x ½     51845-014       16     Connector, XLR-4M (J2)     50994-004       17     Switch, Toggle, SPDT (IC-S, IC-S/LS)     57483-003       18     Potentiometer, 100K, ½W, ±20% (R22)     57145-002       19     Connector, XLR-4M (J2)     5798-000       20     PCB Assembly, Audio     92002-001 <	ITEM NO.	DESCRIPTION	PART NO.
1     Cover, Ind (IC-S, IC-S/LS)     92913-000       2     Screw, 6-32 x (IC-S, IC-S/LS)     54993-097       3     Nut, Hex, No. 6     5014-001       4     Washer, Lock, No. 6     5014-001       5     Speaker, 5-Inch, 8-Ohm     57823-000       6     Chassis     9206-000       7     Washer, Lock     50014-004       8     Nut, Hex     50033-001       9     Panel, Front     92094-000       10     Screw, 6-32 x 1 (IC-S, IC-S/LS)     51845-088       11     Microphone Hanger     63356-001       12     Washer, Lock     50014-103       13     Screw, 6-32 x 1 (IC-S/LS, IC-S/LS)     57483-000       14     Knob     53432-116       15     Screw, 4-40 x ½     51845-128       14     Knob     53432-116       15     Screw, 10(C-S/LS, IC-S/LS)     57483-000       16     Connector, XLR-4M (I2)     50994-004       17     Switch, Toggle, PDT (IC-S/LS, IC-S/LS)     5748-000       18     Potentiometer, 100K, ½W, ±20% (R22)     57145-002			
2     Screw, θ-32 × ½ (IC-S, IC-S/LS)     54993-097       3     Nut, Hex, No. 6     52188-008       4     Washer, Lock, No. 6     50014-001       5     Speaker, 5-Inch, 8-Ohm     57823-000       6     Chassis     92906-000       7     Washer, Lock     50014-004       8     Nut, Hex     50033-001       9     Panel, Front     92804-000       10     Screw, 6-32 x 1 (IC-S, IC-S/LS)     51845-098       11     Microphone Hanger     63356-001       12     Washer, Lock     50014-103       13     Screw, 4-32 x ½     51847-112       14     Knob     53432-116       15     Screw, 4-40 x ½     51847-112       16     Connector, XLR-4M (J2)     50994-004       17     Switch, Toggle, SPDT (IC-S/LS, IC-SF/LS)     57481-003       18     Potentiometer, 100K, ½W, ±20% (R22)     57145-002       19     Connector, 14-Position (1)     52264-014       17     Spacer     5798-000       20     PCB Assembly, Audio     92908-000		Cover, End (IC-S, IC-S/LS)	92913-000
3 Nut, Hex, No. 6 52188-008   4 Washer, Lock, No. 6 50014-001   5 Speaker, 5-Inch, 8-Ohm 57823-000   6 Chassis 92906-000   7 Washer, Lock 50014-004   8 Nut, Hex 50033-001   9 Panel, Front 92906-000   10 Screw, 6-32 x 1 (IC-S, IC-S/LS) 51845-098   11 Microphone Hanger 63356-001   12 Washer, Lock 50014-103   13 Screw, 6-32 x ¼ 51845-128   14 Knob 54342-116   15 Screw, 4-40 x ¼ 51847-112   16 Connector, XLR-4M (J2) 50994-004   17 Switch, Toggle, DPDT (IC-S, IC-SFLS) 57483-000   18 Potentiometer, 100K, ¼W, ±20% (R2) 57145-002   19 Connector, 14-Position (J1) 52264-014   11 Terminal (For item 19) 54460-001   20 PCE Assembly, Audio 92908-000   23 Washer, Lock 50014-002   24 Screw, 4-40 x ½ 51845-041   25 Foot, Self-Adhesive (IC-S, IC-S/LS) 56471-000   26 Housing (IC-S, IC-S/LS) 56471-000   27 Connector, XLR-3M (Id-		Screw, 6-32 x ¾ (IC-S, IC-S/LS)	54993-097
4 Washer, Lock, No. 6 50014-001   5 Speaker, 5-Inch, 8-Ohm 57822-000   6 Chassis 92906-000   7 Washer, Lock 50014-004   8 Nut, Hex 50033-001   9 Panel, Front 92904-000   10 Screw, 6-32 x 1 (IC-S, IC-S/LS) 51845-098   11 Microphone Hanger 63356-001   12 Washer, Lock 50014-103   13 Screw, 8-32 x ½ 51845-128   14 Knob 53432-116   15 Screw, 4-40 x ½ 51847-112   16 Connector, XLR-4M (J2) 50994-004   17 Switch, Toggle, DPDT (IC-S, IC-SF) 57483-000   18 Potentiometer, 100K, ½W, ±20% (R22) 57145-002   19 Connector, 14-Position (J1) 52264-014   11 Terminal (For item 19) 54460-001   22 Cover, Rear 92908-000   23 Washer, Lock 5014-002   24 Screw, 4-40 x ½ 51847-100   25 Foot, Self-Adhesive (IC-S, IC-S/LS) 56471-000   24 Screw, 4-40 x ½ 51847-011   25 Foot, Self-Adhesive (IC-S, IC-S/LS) 56471-000   26 Housing (IC-S, IC-S	3	Nut, Hex, No. 6	52188-008
5     Speaker, 5-Inch, 4-Ohm     57823-000       6     Chassis     92906-000       7     Washer, Lock     50014-004       8     Nut, Hex     50033-001       9     Panel, Front     92904-000       10     Screw, 6-32 x 1 (IC-S, IC-S/LS)     51845-098       11     Microphone Hanger     63356-001       12     Washer, Lock     5014-103       13     Screw, 8-32 x ¼     51845-128       14     Knob     53432-116       15     Screw, 4-40 x ¼     51847-112       16     Connector, XLR-4M (J2)     50994-004       17     Switch, Toggle, DPDT (IC-S, IC-SF/LS)     57483-000       18     Potentiometer, 100K, ¼M, ±20% (R22)     57145-002       19     Connector, 14-Position (J1)     52264-014       Terminal (For item 19)     54460-001       20     PCB Assembly, Audio     92902-001       21     Spacer     57788-000       22     Cover, Rear     92908-000       23     Washer, Lock     50014-002       24     Sc		Washer, Lock, No. 6	50014-001
6     Crissis     92906-000       7     Washer, Lock     50014-004       8     Nut, Hex     50033-001       9     Panel, Front     92904-000       10     Screw, 6-32 x 1 (IC-S, IC-S/LS)     51845-098       11     Microphone Hanger     63356-001       12     Washer, Lock     50014-103       13     Screw, 8-32 x ¼     51845-128       14     Knob     53432-116       15     Screw, 4-40 x ¼     51845-128       14     Knob     53432-116       15     Screw, 4-40 x ¼     51845-128       14     Knob     53432-116       15     Screw, 4-40 x ¼     51847-112       16     Connector, XLR-4M (J2)     5794-000       17     Switch, Toggle, SPDT (IC-S/LS, IC-SF/LS)     5748-000       18     Potentiometer, 100K, ¼W, ±20% (R22)     57145-002       19     Connector, IA-Position (J1)     52284-014       14     Terminal (For item 19)     54460-001       20     PCB Assembly, Audio     92902-001       21	5	Speaker, 5-Inch, 8-Onm	57823-000
7 Washer, Lock 50014-004   8 Nut, Hex 5003-001   9 Panel, Front 51845-098   10 Screw, 6-32 x 1 (IC-S, IC-S/LS) 51845-098   11 Microphone Hanger 63356-001   12 Washer, Lock 50014-103   13 Screw, 8-32 x ¼ 51845-128   14 Knob 53432-116   15 Screw, 4-40 x ¾ 51847-112   16 Connector, XLR-4M (J2) 50994-004   17 Switch, Toggle, DPDT (IC-S, IC-SF) 57483-000   18 Potentiometer, 100K, ৠ, ±20% (R22) 57145-002   19 Connector, 14-Position (J1) 52264-014   11 Terminal (For item 19) 54460-001   22 Cover, Rear 92908-000   23 Washer, Lock 50014-002   24 Screw, 4-40 x ½ 51845-041   25 Foot, Self-Adhesive (IC-S, IC-S/LS) 56471-000   24 Screw, 4-40 x ½ 51845-011   25 Foot, Self-Adhesive (IC-S, IC-S/LS) 50994-000   26 Housing (IC-S, IC-S/LS) 50994-000   27 Connector, XLR-3M (J4 - IC-S, IC-S/LS) 50994-000   28 Screw, (J4 - IC-S, IC-S/LS) 51847-011	6	Chassis Weaker Leek	92906-000
a     Nut, Hex     50033-001       9     Panel, Front     9204-000       10     Screw, 6-32 x 1 (IC-S, IC-S/LS)     51845-098       11     Microphone Hanger     63356-001       12     Washer, Lock     50014-103       13     Screw, 8-32 x ¼     51845-128       14     Knob     53432-116       15     Screw, 4-40 x ¼     51847-112       16     Connector, XLR-4M (J2)     50994-004       17     Switch, Toggle, SPDT (IC-S, IC-SF)     57483-000       18     Potentiometer, 100K, ¼W, ±20% (R22)     57145-002       19     Connector, 14-Position (J1)     5224-014       Terminal (For item 19)     54460-001     92902-001       20     PCB Assembly, Audio     92908-000       22     Cover, Rear     92908-000       23     Washer, Lock     5014-002       24     Screw, 4-40 x ½     51845-041       25     Foot, Self-Adhesive (IC-S, IC-S/LS)     5094-000       24     Screw, G-2, IC-S/LS)     92933-000       27     Connector, XLR-3F (IC-S, IC-S/LS)			50014-004
3     Frank, From     92904-000       10     Screw, 6-32 x 1 (IC-S, IC-S/LS)     51845-098       11     Microphone Hanger     63366-001       12     Washer, Lock     50014-103       13     Screw, 6-32 x ¼     51845-128       14     Knob     53432-116       15     Screw, 4-40 x ½     51847-112       16     Connector, XLR-4M (J2)     50994-004       17     Switch, Toggle, DPDT (IC-S, IC-SF)     57483-000       18     Potentiometer, 100K, ½W, ±20% (R22)     57145-002       19     Connector, 14-Position (J1)     52264-014       Terminal (For item 19)     54460-001       20     PCB Assembly, Audio     92902-001       21     Spacer     57798-000       22     Cover, Rear     92938-000       23     Washer, Lock     50014-002       24     Screw, 4-40 x ½     51845-041       25     Foot, Self-Adhesive (IC-S, IC-S/LS)     5098-000       24     Screw, 4-40 x ½     51847-011       25     Foot, Self-Adhesive (IC-S, IC-S/LS)     5098-000	8	Denal Front	50033-001
10     Strate     Strate     Strate       11     Microphone Hanger     63356-001       12     Washer, Lock     50014-103       13     Screw, 8-32 x ¼     51845-128       14     Knob     53432-116       15     Screw, 4-40 x ¼     51847-112       16     Connector, XLR-4M (J2)     5094-004       17     Switch, Toggle, DPDT (IC-S, IC-SF)     57483-000       Switch, Toggle, SPDT (IC-S/LS, IC-SF/LS)     57481-003       18     Potentiometer, 100K, ¼W, ±20% (R22)     57145-002       19     Connector, 14-Position (J1)     52264-014       Terminal (For item 19)     54460-001       20     PCB Assembly, Audio     92902-001       21     Spacer     57798-000       22     Cover, Rear     9208-000       23     Washer, Lock     50014-002       24     Screw, (J3 - IC-S, IC-S/LS)     56471-000       26     Housing (IC-S, IC-S/LS)     50994-000       27     Connector, XLR-3M (J4 - IC-S, IC-S/LS)     50995-000       27     Connector, XLR-3M (J4 - IC-S, IC-S/LS)	9 10	$\begin{array}{c} \text{Fallel, FIOIL} \\ \text{Sorow, 6.22 x 1 //C S IC S // S} \end{array}$	92904-000
11     Microproferentingen     63336-001       12     Washer, Look     50014-103       13     Screw, 8-32 x ¼     51845-128       14     Knob     53432-116       15     Screw, 4-40 x ¼     51847-112       16     Connector, XLR-4M (J2)     50994-004       17     Switch, Toggle, DPDT (IC-S, IC-SF)     57483-000       Switch, Toggle, SPDT (IC-S/LS, IC-SF/LS)     57481-003       18     Potentiometer, 100K, ¼W, ±20% (R22)     57145-002       19     Connector, 14-Position (J1)     52264-014       Terminal (For item 19)     54460-001       20     PCB Assembly, Audio     92908-000       21     Spacer     57798-000       22     Cover, Rear     9208-001       24     Screw, 440 x½     51845-041       25     Foot, Self-Adhesive (IC-S, IC-S/LS)     50994-000       24     Screw, (J3 - IC-S, IC-S/LS)     50994-000       27     Connector, XLR-36 (IC-S, IC-S/LS)     50994-000       28     Screw, (J3 - IC-S, IC-S/LS)     50994-000       29     Connector, XLR-36 (IC-S, IC-SF/L	10	Microphone Hanger	51845-098
12 Washer, LOCK 50014-103   13 Screw, 8-32 x ¼ 51845-128   14 Knob 53432-116   15 Screw, 4-40 x ½ 50994-004   17 Switch, Toggle, DPDT (IC-S, IC-SF/LS) 57483-000   18 Potentiometer, 100K, ¼W, ±20% (R22) 57145-002   19 Connector, 14-Position (J1) 52264-014   11 Terminal (For item 19) 54460-001   20 PCB Assembly, Audio 92902-001   21 Spacer 57798-000   22 Cover, Rear 92908-000   23 Washer, Lock 5014-002   24 Screw, 4-40 x ½ 51845-041   25 Foot, Self-Adhesive (IC-S, IC-S/LS) 5094-000   24 Screw, (J3 - IC-S, IC-S/LS) 50994-000   25 Foot, Self-Adhesive (IC-S, IC-S/LS) 50994-000   26 Housing (IC-S, IC-S/LS) 50995-000   28 Screw, (J3 - IC-S, IC-S/LS) 50995-000   30 Bezel (IC-S, IC-S/LS, IC-SF/LS) 52184-006   31 Nut, Hex, No. 4 (IC-S/LS, IC-SF/LS) 52188-006   32 Angle Bracket 9215-000   33 Screw, (4-0 x ¼ (IC-S/LS, IC-SF/LS) 53627-002   34 LED (IC-S/LS, IC-SF/LS)	10	Washer Lock	50014 100
13     Sciew, 632 X %     51643-128       14     Knob     53432-116       15     Screw, 4-40 x %     51847-112       16     Connector, XLR-4M (J2)     50994-004       17     Switch, Toggle, DPDT (IC-S, IC-SF)     57483-000       switch, Toggle, SPDT (IC-S/LS, IC-SF/LS)     57481-003       18     Potentiometer, 100K, ½W, ±20% (R22)     57145-002       19     Connector, 14-Position (J1)     52264-014       Terminal (For item 19)     54460-001       20     PCB Assembly, Audio     92902-001       21     Spacer     57798-000       22     Cover, Rear     92908-000       23     Washer, Lock     50014-002       24     Screw, 4-40 x ½     51845-041       25     Foot, Self-Adhesive (IC-S, IC-S/LS)     504971-000       26     Housing (IC-S, IC-S/LS)     50994-000       27     Connector, XLR-3F (IC-S, IC-S/LS)     50994-000       28     Screw, (J3 - IC-S, IC-S/LS)     50998-000       30     Bezel (IC-S, IC-S/LS, IC-SF/LS)     51847-011       29     Connector, XLR-3F (IC	12	$P_{\rm arg} = 20 \times 1/$	50014-103
14     Intolo     03432-110       15     Screw, 4-40 x ½     51847-112       16     Connector, XLR-4M (J2)     50994-004       17     Switch, Toggle, DPDT (IC-S, IC-SF)     57483-000       18     Potentiometer, 100K, ½W, ±20% (R22)     57145-002       19     Connector, 14-Position (J1)     52264-014       1     Terminal (For item 19)     54460-001       20     PCB Assembly, Audio     92902-001       21     Spacer     57798-000       22     Cover, Rear     92908-000       23     Washer, Lock     50014-002       24     Screw, 4-40 x ½     51845-041       25     Foot, Self-Adhesive (IC-S, IC-S/LS)     56471-000       26     Housing (IC-S, IC-S/LS)     50994-000       27     Connector, XLR-3M (J4 - IC-S, IC-S/LS)     50994-000       28     Screw, (J3 - IC-S, IC-S/LS)     50995-000       29     Councetor, XLR-3K (JC-S/LS)     50995-000       30     Bezel (IC-S, IC-S/LS)     50995-000       31     Nut, Hex, No. 4 (IC-S/LS, IC-SF/LS)     52188-006 <t< td=""><td>1/</td><td>Knoh</td><td>52422 116</td></t<>	1/	Knoh	52422 116
15     51647-112       16     Connector, XLR-4M (J2)     5094-004       17     Switch, Toggle, DPDT (IC-S, IC-SF)     57483-000       Switch, Toggle, SPDT (IC-S/LS, IC-SF/LS)     57148-002       18     Potentiometer, 100K, ¼W, ±20% (R22)     57148-002       19     Connector, 14-Position (J1)     52264-014       Terminal (For item 19)     54460-001       20     PCB Assembly, Audio     92902-001       21     Spacer     57788-000       22     Cover, Rear     92908-000       23     Washer, Lock     50014-002       24     Screw, 440 x ½     51845-041       25     Foot, Self-Adhesive (IC-S, IC-S/LS)     56471-000       26     Housing (IC-S, IC-S/LS)     50994-000       27     Connector, XLR-3F (IC-S, IC-S/LS)     50995-000       28     Screw, (J3 - IC-S, IC-S/LS)     50995-000       30     Bezel (IC-S, IC-S/LS, IC-SF/LS)     5218-006       31     Nut, Hex, No. 4 (IC-S/LS, IC-SF/LS)     5218-000       31     Nut, Hex, No. 4 (IC-S/LS, IC-SF/LS)     52683-000       32     Angle B	15	Scrow 4-40 x 34	51947 110
10     Connector, XLR-9M (62)     50994-004       17     Switch, Toggle, DPDT (IC-S, IC-SF)     57483-000       18     Potentiometer, 100K, ¼W, ±20% (R22)     57145-002       19     Connector, 14-Position (J1)     52264-014       17     Spacer     57798-000       20     PCB Assembly, Audio     92902-001       21     Spacer     57798-000       22     Cover, Rear     92908-000       23     Washer, Lock     50014-002       24     Screw, 4-40 x ½     51845-041       25     Foot, Self-Adhesive (IC-S, IC-S/LS)     50994-000       26     Housing (IC-S, IC-S/LS)     92933-000       27     Connector, XLR-3M (J4 - IC-S, IC-S/LS)     50994-000       28     Screw, (J3 - IC-S, IC-S/LS)     50994-000       28     Screw, (J3 - IC-S, IC-S/LS)     50994-000       30     Bezel (IC-S, IC-S/LS)     50994-000       31     Nut, Hex, No. 4 (IC-S/LS, IC-SF/LS)     51847-011       29     Connector, XLR-3F (IC-S, IC-S/LS)     5095000       31     Nut, Hex, No. 4 (IC-S/LS, IC-SF/LS)     5218-000	16	$Connector XI P_{-}M(12)$	51647-112
11   Switch, Toggle, SPDT (IC-S/LS, IC-SF/LS)   57485-000     18   Potentiometer, 100K, ¼W, ±20% (R22)   57145-002     19   Connector, 14-Position (J1)   52264-014     19   Connector, 14-Position (J1)   52264-014     19   Connector, 14-Position (J1)   52264-014     19   Connector, 14-Position (J1)   54460-001     20   PCB Assembly, Audio   92902-001     21   Spacer   57798-000     22   Cover, Rear   92908-000     23   Washer, Lock   50014-002     24   Screw, 4-40 x ½   51845-041     25   Foot, Self-Adhesive (IC-S, IC-S/LS)   5093-000     26   Housing (IC-S, IC-S/LS)   5093-000     28   Screw, (J3 - IC-S, IC-S/LS)   50994-000     28   Screw, (J3 - IC-S, IC-S/LS)   50995-000     30   Bezel (IC-S, IC-SF/LS)   5218-006     31   Nut, Hex, No. 4 (IC-S/LS, IC-SF/LS)   5218-000     32   Angle Bracket   95215-000     33   Screw, 4-40 x ¼ (IC-S/LS, IC-SF/LS)   53627-002     36   Clip, LED Mtg. (IC-S/LS, IC-SF/LS)   53627-	10	Switch Toggle DPDT (IC-S IC-SE)	57482.000
Beneficient (100, 120%, 120%, 120%, 120%, 120%)     S7451-002       18     Potentiometer, 100K, 1/20%, 120%, (122)     57451-002       19     Connector, 14-Position (J1)     52264-014       Terminal (For item 19)     54460-001       20     PCB Assembly, Audio     92902-001       21     Spacer     57798-000       22     Cover, Rear     92908-000       23     Washer, Lock     50014-002       24     Screw, 4-40 x ½     51845-041       25     Foot, Self-Adhesive (IC-S, IC-S/LS)     56471-000       26     Housing (IC-S, IC-S/LS)     92933-000       27     Connector, XLR-3M (J4 - IC-S, IC-S/LS)     50994-000       28     Screw, (J3 - IC-S, IC-S/LS)     50995-000       29     Connector, XLR-3F (IC-S, IC-S/LS)     50995-000       30     Bezel (IC-S, IC-S/LS, IC-SF/LS)     5218-006       31     Nut, Hex, No. 4 (IC-S/LS, IC-SF/LS)     5218-000       32     Angle Bracket     95215-000       33     Screw, 4-40 x ½ (IC-S/LS, IC-SF/LS)     51845-038       34     LED (IC-S/LS, IC-SF/LS) (DS1)     58683-000	17	Switch, Toggle, SPDT (IC-S/ IS IC-SE/LS)	57485-000
19   Connector, 14-Position (121)   57145-002     19   Connector, 14-Position (121)   52264-014     19   Terminal (For item 19)   54460-001     20   PCB Assembly, Audio   92902-001     21   Spacer   57798-000     22   Cover, Rear   92908-000     23   Washer, Lock   50014-002     24   Screw, 4-40 x ½   51845-041     25   Foot, Self-Adhesive (IC-S, IC-S/LS)   56471-000     26   Housing (IC-S, IC-S/LS)   50994-000     28   Screw, (J3 - IC-S, IC-S/LS)   50994-000     28   Screw, J-40 x ½   51847-011     29   Connector, XLR-3F (IC-S, IC-S/LS)   50994-000     28   Screw, J-40 x ½   51847-011     29   Connector, XLR-3F (IC-S, IC-S/LS)   51847-011     29   Connector, XLR-3F (IC-S, IC-S/LS)   5218-000     30   Bezel (IC-S, IC-S/LS, IC-SF/LS)   5218-000     31   Nut, Hex, No. 4 (IC-S/LS, IC-SF/LS)   51845-038     34   LED (IC-S/LS, IC-SF/LS)   53683-000     35   Clip, LED Mtg. (IC-S/LS, IC-SF/LS)   58683-000 <td>18</td> <td>Potentiometer 100K 1/W +20% (B22)</td> <td>57145-002</td>	18	Potentiometer 100K 1/W +20% (B22)	57145-002
15     Dotation (B1)     532204-014       Terminal (For item 19)     54460-001       20     PCB Assembly, Audio     92902-001       21     Spacer     57798-000       22     Cover, Rear     92908-000       23     Washer, Lock     50014-002       24     Screw, 4-40 x ½     51845-041       25     Foot, Self-Adhesive (IC-S, IC-S/LS)     56471-000       26     Housing (IC-S, IC-S/LS)     50994-000       28     Screw, (J3 - IC-S, IC-S/LS)     50994-000       28     Screw, (J3 - IC-S, IC-S/LS)     50995-000       29     Connector, XLR-3F (IC-S, IC-S/LS)     50995-000       30     Bezel (IC-S, IC-SF)     95219-000       31     Nut, Hex, No. 4 (IC-S/LS, IC-SF/LS)     51845-038       34     LED (IC-S/LS, IC-SF/LS)     51845-038       34     LED (IC-S/LS, IC-SF/LS)     53627-002       36     PCB Assy, 20 kHz Light Signal (IC-S/LS, IC-SF/LS)     53627-002       36     PCB Assy, 20 kHz Light Signal (IC-S/LS, IC-SF/LS)     52264-006       37     Connector (IC-S/LS, IC-SF/LS)     52264-006 <td>10</td> <td>Connector 14-Position (11)</td> <td>52264_014</td>	10	Connector 14-Position (11)	52264_014
PCB Assembly, Audio     92902-001       21     Spacer     57798-000       22     Cover, Rear     92908-000       23     Washer, Lock     50014-002       24     Screw, 4-40 x ½     51845-041       25     Foot, Self-Adhesive (IC-S, IC-S/LS)     56471-000       26     Housing (IC-S, IC-S/LS)     50994-000       28     Screw, (J3 - IC-S, IC-S/LS)     50994-000       28     Screw, (J3 - IC-S, IC-S/LS)     50995-000       29     Connector, XLR-3M (J4 - IC-S, IC-S/LS)     50995-000       28     Screw, (J3 - IC-S, IC-S/LS)     50995-000       30     Bezel (IC-S, IC-SFLS)     52187-000       31     Nut, Hex, No. 4 (IC-S/LS, IC-SF/LS)     52188-006       32     Angle Bracket     95219-000       33     Screw, 4-40 x ¼ (IC-S/LS, IC-SF/LS)     52188-006       34     LED (IC-S/LS, IC-SF/LS)     53627-002       36     PCB Assy, 20 kHz Light Signal (IC-S/LS, IC-SF/LS)     53627-002       36     PCB Assy, 20 kHz Light Signal (IC-S/LS, IC-SF/LS)     5264-006       Terminal (For item 37)     54460-001	10	Terminal (For item 19)	54460-001
21   Spacer   57782-000     22   Cover, Rear   92908-000     23   Washer, Lock   50014-002     24   Screw, 4-40 x ½   51845-041     25   Foot, Self-Adhesive (IC-S, IC-S/LS)   56471-000     26   Housing (IC-S, IC-S/LS)   92933-000     27   Connector, XLR-3M (J4 - IC-S, IC-S/LS)   50994-000     28   Screw, (J3 - IC-S, IC-S/LS)   50995-000     30   Bezel (IC-S, IC-S/LS)   50995-000     30   Bezel (IC-S, IC-S/LS, IC-S/LS)   50995-000     30   Bezel (IC-S, IC-S/LS, IC-SF/LS)   5218e-006     31   Nut, Hex, No. 4 (IC-S/LS, IC-SF/LS)   5218-000     33   Screw, 4-40 x ¼ (IC-S/LS, IC-SF/LS)   52827-002     34   LED (IC-S/LS, IC-SF/LS)   53627-002     35   Clip, LED Mtg. (IC-S/LS, IC-SF/LS)   53627-002     36   PCB Assy, 20 kHz Light Signal (IC-S/LS, IC-SF/LS)   52264-006     37   Connector (IC-S/LS, IC-SF/LS)   52264-006     38   Collet   53434-101     39   Cap   53433-115     40   Lens, LED (IC-S/LS, IC-SF/LS)   59739-00	20	PCB Assembly Audio	92902-001
22   Cover, Rear   92108-000     23   Washer, Lock   50014-002     24   Screw, 4-40 x ½   51845-041     25   Foot, Self-Adhesive (IC-S, IC-S/LS)   56471-000     26   Housing (IC-S, IC-S/LS)   92933-000     27   Connector, XLR-3M (J4 - IC-S, IC-S/LS)   50994-000     28   Screw, (J3 - IC-S, IC-S/LS)   50995-000     30   Bezel (IC-S, IC-S/LS)   50995-000     30   Bezel (IC-S, IC-S/LS)   50995-000     31   Nut, Hex, No. 4 (IC-S/LS, IC-SF/LS)   5218-006     32   Angle Bracket   95215-000     33   Screw, 4-40 x ¼ (IC-S/LS, IC-SF/LS)   51845-038     34   LED (IC-S/LS, IC-SF/LS) (DS1)   58683-000     35   Clip, LED Mtg. (IC-S/LS, IC-SF/LS)   53627-002     36   PCB Assy, 20 kHz Light Signal (IC-S/LS, IC-SF/LS)   53627-002     37   Connector (IC-S/LS, IC-SF/LS)   52264-006     38   Collet   53434-101     39   Cap   53433-115     40   Lens, LED (IC-S/LS, IC-SF/LS)   59739-000     * IC-S: Portable station, no light signal.	21	Spacer	57798-000
23     Washer, Lock     50014-002       24     Screw, 4-40 x ½     51845-041       25     Foot, Self-Adhesive (IC-S, IC-S/LS)     56471-000       26     Housing (IC-S, IC-S/LS)     56471-000       27     Connector, XLR-3M (J4 - IC-S, IC-S/LS)     50994-000       28     Screw, (J3 - IC-S, IC-S/LS)     50995-000       30     Bezel (IC-S, IC-S/LS)     50995-000       30     Bezel (IC-S, IC-S/LS)     50995-000       30     Bezel (IC-S, IC-S/LS)     50995-000       31     Nut, Hex, No. 4 (IC-S/LS, IC-SF/LS)     52188-006       32     Angle Bracket     95215-000       33     Screw, 4-40 x ¼ (IC-S/LS, IC-SF/LS)     51845-038       34     LED (IC-S/LS, IC-SF/LS) (DS1)     58683-000       35     Clip, LED Mtg. (IC-S/LS, IC-SF/LS)     53627-002       36     PCB Assy, 20 kHz Light Signal (IC-S/LS, IC-SF/LS)     52664-006       37     Connector (IC-S/LS, IC-SF/LS)     52264-006       38     Collet     53434-101       39     Cap     53433-115       40     Lens, LED (IC-S/LS, IC-SF/LS) <t< td=""><td>22</td><td>Cover Bear</td><td>92908-000</td></t<>	22	Cover Bear	92908-000
24   Screw, 440 x ½   51845-041     25   Foot, Self-Adhesive (IC-S, IC-S/LS)   56471-000     26   Housing (IC-S, IC-S/LS)   92933-000     27   Connector, XLR-3M (J4 - IC-S, IC-S/LS)   50994-000     28   Screw, (J3 - IC-S, IC-S/LS)   50994-000     29   Connector, XLR-3F (IC-S, IC-S/LS)   50995-000     30   Bezel (IC-S, IC-S/LS)   50995-000     31   Nut, Hex, No. 4 (IC-S/LS, IC-SF/LS)   5218-006     32   Angle Bracket   95215-000     33   Screw, 4-40 x ¼ (IC-S/LS, IC-SF/LS)   51845-038     34   LED (IC-S/LS, IC-SF/LS) (DS1)   58683-000     35   Clip, LED Mtg. (IC-S/LS, IC-SF/LS)   53627-002     36   PCB Assy, 20 kHz Light Signal (IC-S/LS, IC-SF/LS)   96080-000     37   Connector (IC-S/LS, IC-SF/LS)   52264-006     38   Collet   53433-115     39   Cap   53433-115     40   Lens, LED (IC-S/LS, IC-SF/LS)   59739-000     * IC-S: Portable station, no light signal.   IC-SF/LS: Flush-mount station, no light signal.     IC-SF/LS: Flush-mount station, light signal.   IC-S/LS: Flush-mount station, light s	23	Washer Lock	50014-002
25     Foot, Self-Adhesive (IC-S, IC-S/LS)     56471-000       26     Housing (IC-S, IC-S/LS)     92933-000       27     Connector, XLR-3M (J4 - IC-S, IC-S/LS)     50994-000       28     Screw, (J3 - IC-S, IC-S/LS)     50995-000       30     Bezel (IC-S, IC-S/LS)     50995-000       31     Nut, Hex, No. 4 (IC-S/LS, IC-SF/LS)     5219-000       31     Nut, Hex, No. 4 (IC-S/LS, IC-SF/LS)     52188-006       32     Angle Bracket     95215-000       33     Screw, 4-40 x ¼ (IC-S/LS, IC-SF/LS)     51845-038       34     LED (IC-S/LS, IC-SF/LS) (DS1)     58683-000       35     Clip, LED Mtg. (IC-S/LS, IC-SF/LS)     53627-002       36     PCB Assy, 20 kHz Light Signal (IC-S/LS, IC-SF/LS)     53627-002       36     PCB Assy, 20 kHz Light Signal (IC-S/LS, IC-SF/LS)     52264-006       37     Connector (IC-S/LS, IC-SF/LS)     52264-006       38     Collet     53433-115       39     Cap     53433-115       40     Lens, LED (IC-S/LS, IC-SF/LS)     59739-000       * IC-S: Portable station, no light signal.     IC-SF/LS: Flush-mount station, no light signal	24	Screw. 4-40 x 1/2	51845-041
26   Housing (IC-S, IC-S/LS)   92933-000     27   Connector, XLR-3M (J4 - IC-S, IC-S/LS)   50994-000     28   Screw, (J3 - IC-S, IC-S/LS)   50994-000     29   Connector, XLR-3F (IC-S, IC-S/LS)   50995-000     30   Bezel (IC-S, IC-SF)   95219-000     31   Nut, Hex, No. 4 (IC-S/LS, IC-SF/LS)   52188-006     32   Angle Bracket   95215-000     33   Screw, 4-40 x ¼ (IC-S/LS, IC-SF/LS)   51845-038     34   LED (IC-S/LS, IC-SF/LS)   51845-038     34   LED (IC-S/LS, IC-SF/LS)   53627-002     36   PCB Assy, 20 kHz Light Signal (IC-S/LS, IC-SF/LS)   53627-002     36   PCB Assy, 20 kHz Light Signal (IC-S/LS, IC-SF/LS)   96080-000     37   Connector (IC-S/LS, IC-SF/LS)   52264-006     38   Collet   53433-115     39   Cap   53433-115     40   Lens, LED (IC-S/LS, IC-SF/LS)   59739-000     * IC-S: Portable station, no light signal.   IC-SF/LS: Flush-mount station, no light signal.   IC-SF/LS: Portable station, light signal.     IC-SF/LS: Portable station, light signal.   IC-SF/LS: Flush-mount station, light signal.   IC-SF/LS: Flush-mou	25	Foot, Self-Adhesive (IC-S, IC-S/LS)	56471-000
27     Connector, XLR-3M (J4 - IC-S, IC-S/LS)     50994-000       28     Screw, (J3 - IC-S, IC-S/LS)     51847-011       29     Connector, XLR-3F (IC-S, IC-S/LS)     50995-000       30     Bezel (IC-S, IC-SF)     95219-000       31     Nut, Hex, No. 4 (IC-S/LS, IC-SF/LS)     52188-006       32     Angle Bracket     95215-000       33     Screw, 4-40 x ¼ (IC-S/LS, IC-SF/LS)     51845-038       34     LED (IC-S/LS, IC-SF/LS) (DS1)     58683-000       35     Clip, LED Mtg. (IC-S/LS, IC-SF/LS)     53627-002       36     PCB Assy, 20 kHz Light Signal (IC-S/LS, IC-SF/LS)     96080-000       37     Connector (IC-S/LS, IC-SF/LS)     52264-006       Terminal (For item 37)     54460-001       38     Collet     53433-115       39     Cap     53433-115       40     Lens, LED (IC-S/LS, IC-SF/LS)     59739-000       * IC-S: Portable station, no light signal.     IC-SF: Flush-mount station, no light signal.     IC-SF/LS: Portable station, light signal.       IC-SF/LS: Flush-mount station, light signal.     IC-SF/LS: Flush-mount station, light signal.	26	Housing (IC-S, IC-S/LS)	92933-000
28   Screw, (J3 - IC-S, IC-S/LS)   51847-011     29   Connector, XLR-3F (IC-S, IC-S/LS)   50995-000     30   Bezel (IC-S, IC-SF)   95219-000     31   Nut, Hex, No. 4 (IC-S/LS, IC-SF/LS)   52188-006     32   Angle Bracket   95215-000     33   Screw, 4-40 x ¼ (IC-S/LS, IC-SF/LS)   51845-038     34   LED (IC-S/LS, IC-SF/LS) (DS1)   58683-000     35   Clip, LED Mtg. (IC-S/LS, IC-SF/LS)   53627-002     36   PCB Assy, 20 kHz Light Signal (IC-S/LS, IC-SF/LS)   96080-000     37   Connector (IC-S/LS, IC-SF/LS)   52264-006     38   Collet   53433-115     39   Cap   53433-115     40   Lens, LED (IC-S/LS, IC-SF/LS)   59739-000     * IC-S: Portable station, no light signal.   IC-SF/LS: Flush-mount station, no light signal.     IC-SF/LS: Flush-mount station, light signal.   IC-SF/LS: Flush-mount station, light signal.     IC-SF/LS: Flush-mount station, light signal.   IC-SF/LS: Flush-mount station, light signal.	27	Connector, XLR-3M (J4 - IC-S, IC-S/LS)	50994-000
29   Connector, XLR-3F (IC-S, IC-S/LS)   50995-000     30   Bezel (IC-S, IC-SF)   95219-000     31   Nut, Hex, No. 4 (IC-S/LS, IC-SF/LS)   52188-006     32   Angle Bracket   95215-000     33   Screw, 4-40 x ¼ (IC-S/LS, IC-SF/LS)   51845-038     34   LED (IC-S/LS, IC-SF/LS) (DS1)   58683-000     35   Clip, LED Mtg. (IC-S/LS, IC-SF/LS)   53627-002     36   PCB Assy, 20 kHz Light Signal (IC-S/LS, IC-SF/LS)   96080-000     37   Connector (IC-S/LS, IC-SF/LS)   52264-006     Terminal (For item 37)   54460-001     38   Collet   53433-115     40   Lens, LED (IC-S/LS, IC-SF/LS)   59739-000     * IC-S: Portable station, no light signal.     IC-SF: Flush-mount station, no light signal.   IC-SF/LS: Portable station, light signal.     IC-SF/LS: Portable station, light signal.   IC-SF/LS: Flush-mount station, light signal.	28	Screw. (J3 - IC-S. IC-S/LS)	51847-011
30     Bezel (IC-S, IC-SF)     95219-000       31     Nut, Hex, No. 4 (IC-S/LS, IC-SF/LS)     52188-006       32     Angle Bracket     95215-000       33     Screw, 4-40 x ¼ (IC-S/LS, IC-SF/LS)     51845-038       34     LED (IC-S/LS, IC-SF/LS) (DS1)     58683-000       35     Clip, LED Mtg. (IC-S/LS, IC-SF/LS)     53627-002       36     PCB Assy, 20 kHz Light Signal (IC-S/LS, IC-SF/LS)     96080-000       37     Connector (IC-S/LS, IC-SF/LS)     52264-006       Terminal (For item 37)     54460-001       38     Collet     53433-115       40     Lens, LED (IC-S/LS, IC-SF/LS)     59739-000       * IC-S: Portable station, no light signal.     IC-SF: Flush-mount station, no light signal.       IC-SF/LS: Portable station, ight signal.     IC-SF/LS: Flush-mount station, light signal.	29	Connector, XLR-3F (IC-S, IC-S/LS)	50995-000
31   Nut, Hex, No. 4 (IC-S/LS, IC-SF/LS)   52188-006     32   Angle Bracket   95215-000     33   Screw, 4-40 x ¼ (IC-S/LS, IC-SF/LS)   51845-038     34   LED (IC-S/LS, IC-SF/LS) (DS1)   58683-000     35   Clip, LED Mtg. (IC-S/LS, IC-SF/LS)   53627-002     36   PCB Assy, 20 kHz Light Signal (IC-S/LS, IC-SF/LS)   96080-000     37   Connector (IC-S/LS, IC-SF/LS)   96080-000     38   Collet   53434-101     39   Cap   53433-115     40   Lens, LED (IC-S/LS, IC-SF/LS)   59739-000     * IC-S: Portable station, no light signal.     IC-SF: Flush-mount station, no light signal.   IC-SF/LS: Portable station, light signal.     IC-SF/LS: Flush-mount station, light signal.   IC-SF/LS: Flush-mount station, light signal.	30	Bezel (IC-S, IC-SF)	95219-000
32   Angle Bracket   95215-000     33   Screw, 4-40 x ¼ (IC-S/LS, IC-SF/LS)   51845-038     34   LED (IC-S/LS, IC-SF/LS) (DS1)   58683-000     35   Clip, LED Mtg. (IC-S/LS, IC-SF/LS)   53627-002     36   PCB Assy, 20 kHz Light Signal (IC-S/LS, IC-SF/LS)   96080-000     37   Connector (IC-S/LS, IC-SF/LS)   52264-006     38   Collet   53433-115     39   Cap   53433-115     40   Lens, LED (IC-S/LS, IC-SF/LS)   59739-000     * IC-S: Portable station, no light signal.     IC-SF: Flush-mount station, no light signal.   IC-SF/LS: Portable station, light signal.     IC-SF/LS: Flush-mount station, light signal.   IC-SF/LS: Flush-mount station, light signal.	31	Nut. Hex. No. 4 (IC-S/LS, IC-SF/LS)	52188-006
33   Screw, 4-40 x ¼ (IC-S/LS, IC-SF/LS)   51845-038     34   LED (IC-S/LS, IC-SF/LS) (DS1)   58683-000     35   Clip, LED Mtg. (IC-S/LS, IC-SF/LS)   53627-002     36   PCB Assy, 20 kHz Light Signal (IC-S/LS, IC-SF/LS)   96080-000     37   Connector (IC-S/LS, IC-SF/LS)   52264-006     Terminal (For item 37)   54460-001     38   Collet   53433-115     39   Cap   53433-115     40   Lens, LED (IC-S/LS, IC-SF/LS)   59739-000     * IC-S: Portable station, no light signal.     IC-SF: Flush-mount station, no light signal.   IC-S/LS: Portable station, light signal.     IC-SF/LS: Flush-mount station, light signal.   IC-SF/LS: Flush-mount station, light signal.	32	Angle Bracket	95215-000
34   LED (IC-S/LS, IC-SF/LS) (DS1)   58683-000     35   Clip, LED Mtg. (IC-S/LS, IC-SF/LS)   53627-002     36   PCB Assy, 20 kHz Light Signal (IC-S/LS, IC-SF/LS)   96080-000     37   Connector (IC-S/LS, IC-SF/LS)   52264-006     38   Collet   53434-101     39   Cap   53433-115     40   Lens, LED (IC-S/LS, IC-SF/LS)   59739-000     * IC-S: Portable station, no light signal.   IC-SF: Flush-mount station, no light signal.   59739-000     * IC-SF/LS: Portable station, light signal.   IC-SF/LS: Flush-mount station, light signal.   IC-SF/LS: Flush-mount station, light signal.	33	Screw, 4-40 x 1/4 (IC-S/LS, IC-SF/LS)	51845-038
35Clip, LED Mtg. (IC-S/LS, IC-SF/LS)53627-00236PCB Assy, 20 kHz Light Signal (IC-S/LS, IC-SF/LS)96080-00037Connector (IC-S/LS, IC-SF/LS)52264-006Terminal (For item 37)54460-00138Collet53434-10139Cap53433-11540Lens, LED (IC-S/LS, IC-SF/LS)59739-000* IC-S: Portable station, no light signal.IC-SF: Flush-mount station, no light signal.IC-S/LS: Portable station, light signal.IC-SF/LS: Flush-mount station, light signal.IC-SF/LS: Flush-mount station, light signal.IC-SF/LS: Flush-mount station, light signal.	34	LED (IC-S/LS, IC-SF/LS) (DS1)	58683-000
36PCB Assy, 20 kHz Light Signal (IC-S/LS, IC-SF/LS)96080-00037Connector (IC-S/LS, IC-SF/LS)52264-006Terminal (For item 37)54460-00138Collet53434-10139Cap53433-11540Lens, LED (IC-S/LS, IC-SF/LS)59739-000* IC-S: Portable station, no light signal.IC-SF: Flush-mount station, no light signal.IC-SF/LS: Portable station, light signal.IC-SF/LS: Flush-mount station, light signal.	35	Clip, LED Mtg. (IC-S/LS, IC-SF/LS)	53627-002
37Connector (IC-S/LS, IC-SF/LS)52264-006Terminal (For item 37)54460-00138Collet53434-10139Cap53433-11540Lens, LED (IC-S/LS, IC-SF/LS)59739-000* IC-S: Portable station, no light signal.IC-SF: Flush-mount station, no light signal.59739-000IC-SF/LS: Portable station, light signal.IC-SF/LS: Flush-mount station, light signal.IC-SF/LS: Flush-mount station, light signal.	36	PCB Assy, 20 kHz Light Signal (IC-S/LS, IC-SF/LS)	96080-000
38Terminal (For item 37)54460-00138Collet53434-10139Cap53433-11540Lens, LED (IC-S/LS, IC-SF/LS)59739-000* IC-S: Portable station, no light signal. IC-SF: Flush-mount station, no light signal. IC-SF/LS: Portable station, light signal. IC-SF/LS: Flush-mount station, light signal.	37	Connector (IC-S/LS, IC-SF/LS)	52264-006
38Collet53434-10139Cap53433-11540Lens, LED (IC-S/LS, IC-SF/LS)59739-000* IC-S: Portable station, no light signal. IC-SF: Flush-mount station, no light signal. IC-SF/LS: Portable station, light signal. IC-SF/LS: Flush-mount station, light signal.53434-101		Terminal (For item 37)	54460-001
39Cap53433-11540Lens, LED (IC-S/LS, IC-SF/LS)59739-000* IC-S: Portable station, no light signal. IC-SF: Flush-mount station, no light signal. IC-S/LS: Portable station, light signal. IC-SF/LS: Flush-mount station, light signal.53433-115 59739-000	38	Collet	53434-101
40   Lens, LED (IC-S/LS, IC-SF/LS)   59739-000     * IC-S: Portable station, no light signal.   IC-SF: Flush-mount station, no light signal.     IC-S/LS: Portable station, light signal.   IC-SF/LS: Flush-mount station, light signal.     IC-SF/LS: Flush-mount station, light signal.   IC-SF/LS: Flush-mount station, light signal.	39	Сар	53433-115
* IC-S: Portable station, no light signal. IC-SF: Flush-mount station, no light signal. IC-S/LS: Portable station, light signal. IC-SF/LS: Flush-mount station, light signal.	40	Lens, LED (IC-S/LS, IC-SF/LS)	59739-000
IC-SF: Flush-mount station, no light signal. IC-S/LS: Portable station, light signal. IC-SF/LS: Flush-mount station, light signal.		* IC-S: Portable station, no light signal.	
IC-S/LS: Portable station, light signal. IC-SF/LS: Flush-mount station, light signal.		IC-SF: Flush-mount station, no light signal.	
IC-SF/LS: Flush-mount station, light signal.		IC-S/LS: Portable station, light signal.	
		IC-SF/LS: Flush-mount station, light signal.	

92909, Rev AC 92910, Rev J 92931, Rev G 92921, Rev H<sub>1</sub> 92930, Rev C

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92901, Rev R

IC-S Audio PCB Assembly Component Layout



IC-S 20 KHz Light Signal PCB Assembly Component Layout

## **IC-S Audio PCB Assembly Parts List**

All parts used in all versions. Capacitors are in microfarads unless otherwise specified. Resistors are in ohms, carbon,  $\frac{1}{4}$ W,  $\pm$ 5% unless otherwise specified.

REFERENCE NO.	DESCRIPTION	PART NO.
C1	Capacitor, 1, 35V, Tantalum	52257-049
C2,21,26	Capacitor, 0.01, 100V	52157-251
C5,16	Capacitor, 10, 25V, Electrolytic	51821-020
C6,9,27	Capacitor, 0.1	52708-024
C7	Capacitor, 47 pF, 100V	52157-004
C8,14	Capacitor, 100 pF, 100V	52157-008
C11	Capacitor, 47, 35V, Electrolytic	51821-010
C12	Capacitor, .1, 50V, Ceramic	52676-113
C13,24	Capacitor, 0.001	52157-022
C15	Capacitor, 220 pF	52157-012
C17	Capacitor, 10, 10V, Electrolytic	51821-045
C18	Capacitor, 220, 35V	52160-092
C22	Capacitor, 1, 50V	51821-106
C23	Capacitor, 100, 35V, Electrolytic	51821-011
C25,28	Capacitor, 4.7, 25V, Electrolytic	51821-079
CR1	Diode, 1N4003	50745-002
P1	Pin Assembly	52263-014
Q1	Transistor, 2N2925	51547-000
R1	Resistor, 470	52154-289
R2	Resistor, 390	52154-291
R3,4,5,7,14	Resistor, 68K	52154-237
R6,8	Resistor, 150K	52154-229
R9	Resistor, 330	52154-293
R10	Resistor, 2.7K	52154-271
R11,12,15,16	Resistor, 1 Meg	52154-209
<sup>°</sup> R13,20	Resistor, 47K	52154-241
R17	Resistor, 1.8K	52154-275
R18,19	Resistor, 100K	52154-233
R21,R28	Resistor, 15K	52154-253
R23	Resistor, 22K	52154-249
R24	Resistor, 22	52154-321
R25,26	Resistor, 1K	52154-281
R27	Resistor, 180	52154-299
11	I ransformer	52444-001
U1.	IC, Low Noise Preamplifier, AN360	53270-000
02	IC, Dual Low Noise Op Amp, NE5532	53295-000
03	IC, Amplitter, Audio Power, ULN2280B	53236-000
	ierminai Biock	57703-000

92902, Rev Y

1-7

## IC-S 20 KHz Light Signal PCB Assembly Parts List All resistors in ohms, ¼W, ±5% unless otherwise noted.

All capacitors in microfarads unless otherwise noted.

REFERENCE NO.	DESCRIPTION	PART NO.
·		
C1,2,3	Capacitor, Ceramic, 0.001, 50V, $\pm 10\%$	52676-101
C4	Capacitor, Ceramic, 100 pF, 500V, ±10%	52157-008
C5,7,9	Capacitor, Tantalum, 0.1, 35V, $\pm$ 20%	52257-065
C6	Capacitor NPO, Ceramic, 0.0022, 50V, ±2%	35694-034
C8	Capacitor, Electrolytic, 4.7, 25V, ±20%	52723-013
C10	Capacitor, Electrolytic, 10, 25V, ±20%	52723-014
C11	Capacitor, Ceramic, 0.047, 25V, +80 -20%	52158-033
CR1	Diode, 1N4148	52228-000
J5	Connector, 7-Position	57721-007
Q1,3	Transistor, 2N2925	51547-000
Q2	Transistor, J175	54687-001
R1	Resistor, 2.2M	52154-201
R2,5	Resistor, 1M	52154-209
R3,15	Resistor, 20K	52154-250
R4	Resistor, 10K	52154-257
R6	Resistor, 62K	52154-238
R7	Resistor, 10K	52154-257
R8	Resistor, 47K	52154-241
R11	Resistor, 24K, ¼W, ±2%	52155-248
R12	Resistor, Variable, 5K, ½W, ±10%	57148-048
R14	Resistor, 1.2K, ½W, ±5%	52154-456
U1	IC, Tone Decoder, XR567	53258-000
VR1	Diode, Zener, 6.2V, ½W, ±5%	51302-017
	Socket, 8-Pin	53041-002

96080, P

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#### IC-S Audio Schematic Diagram

