

IFR A-7550 Spare Parts List

By: Alex, KD6VPH

IFR A-7550 BNC Antenna Right Angle Adapter



Description: Nickel plated BNC male to female right angle adapter that came with the original rubber flexible antenna

Replacement Manufacturer: Amphenol

Replacement Manufacturer Part Number: 31-9

Digikey Part Number: ARF1071-ND

Mouser Part Number: 523-31-9

IFR A-7550 RF Module SMB Male, Right Angle, Bulkhead Mount, PCB Mount Connectors (No Picture Available)

Description: SMB male, right angle, bulkhead, PC mount connectors (SMB, M, RA, BHD) used on IFR A-7550 RF modules

Replacement Manufacturer: Radiall

Replacement Manufacturer Part Number: 2110-7511-000

Mouser Part Number: 501-2110-7511-000

Alternative connector with nickel body and gold connector



Replacement Manufacturer: Amphenol

Replacement Manufacturer Part Number: 903-413J-51A

Digikey Part Number: ARF1908-ND

Mouser Part Number: 523-903-413J-51A

IFR A-7550 RF Module SMB Female, Right Angle, Coax Connectors



Description: SMB female, right angle, for RG-316 coax connectors (SMB, F, RA, Coax) used to interconnect the IFR A-7550 RF modules

Replacement Manufacturer: Amphenol

Replacement Manufacturer Part Number: 903-367P-51A2

Digikey Part Number: ARF1235-ND

Mouser Part Number: 523-903-367P-51A2

IFR A-7550 Internal Cooling Fan



Description: Cooling Fan Located on Rear of Unit

Replacement Manufacturer: Orion Fans

Replacement Manufacturer Part Number: OD6025-12MB

Digikey Part Number: 1053-1240-ND

Mouser Part Number: 670-OD602512MB

IFR A-7550 Power Supply AC Receptacle



Description: Power supply mounted AC receptacle with built in filtering
Replacement Manufacturer: TE Connectivity
Replacement Manufacturer Part Number: 3EF1F
Mouser Part Number: 592-3EF1F

IFR A-7550 Memory Backup Battery (w/Solder Tabs)



Description: BR2325 Memory backup battery which is soldered to the Processor PC Board
****You will need to add a foam pad to the bottom of battery and cut/modify positive terminal tab****
Replacement Manufacturer: Panasonic
Replacement Manufacturer Part Number: BR-2325/HBN
Digikey Part Number: P142-ND
Mouser Part Number: 658-BR-2325/HBN

Alternative replacement battery with tabs which are insulated

You will need to add a foam pad to the bottom of battery and cut/modify positive terminal tab



Replacement Manufacturer: Panasonic

Replacement Manufacturer Part Number: BR-2325/HCN

Digikey Part Number: P202-ND

Mouser Part Number: 658-BR-2325/HCN

IFR A-7550 Right Angle AC Power Cord



Description: Right Angle 6 Foot AC Power Cord- this is the closest cable to the OEM IFR power cable- it is the same length, flexibility, and has the same look as the original

Replacement Manufacturer: Cablelora

Replacement Manufacturer Part Number: ZADA15PC-06

Amazon Part Number: ZADA15PC-06

Alternative Right Angle 6 Foot AC Power Cord (Different look- less flexible than OEM cable)



Description: Right Angle 6 Foot AC Power Cord
Replacement Manufacturer: Assmann WSW Components
Replacement Manufacturer Part Number: AK500/U-1
Digikey Part Number: AE9887-ND

IFR A-7550 Red Banana Jack (No Picture Available)

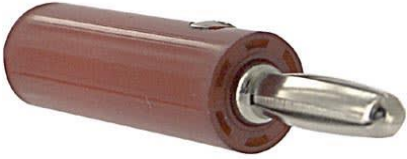
Description: Red banana jack on front panel of A-7550 for powering 20dB external amplifier
Replacement Manufacturer: Abbatron Hh Smith
Replacement Manufacturer Part Number: 1499-102
Allied Part Number: 70209791
Newark Part Number: 82T5281

Alternative replacement red banana jack (slightly different solder tab and look)



Replacement Manufacturer: Keystone
Replacement Manufacturer Part Number: 6091
Digikey Part Number: 36-6091-ND
Mouser Part Number: 534-6091

IFR A-7550 Red Banana Plug



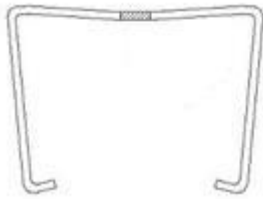
Description: Red banana plug used on external 20dB amplifier- please note that installation will require threading of banana plug with 3/8"-32 die
Replacement Manufacturer: Abbatron Hh Smith
Replacement Manufacturer Part Number: 204-102
Allied Part Number: 70927472

IFR A-7550 Lid Latch



Description: Black slide latch that fits the lid of IFR A-7550
Replacement Manufacturer: SouthCo Inc.
Replacement Manufacturer Part Number: A3-40-625-12-RS
Allied Part Number: 71007615
Also Available On: Amazon and eBay

IFR A-7550 40 Pin Header Retainer Clip (40 Pin Ribbon Cable Clip)



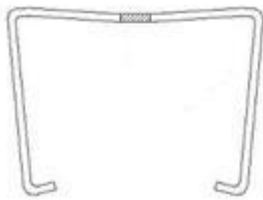
Description: Metal retainer clip that holds the 40 pin ribbon cable in place

Replacement Manufacturer: 3M

Replacement Manufacturer Part Number: 3505-8040

Mouser Part Number: 517-3505-8040

IFR A-7550 20 Pin Header Retainer Clip (20 Pin Ribbon Cable Clip)



Description: Metal retainer clip that holds the 20 pin ribbon cable in place

Replacement Manufacturer: 3M

Replacement Manufacturer Part Number: 3505-8020

Mouser Part Number: 517-3505-8020

IFR A-7550 16 Pin Header Retainer Clip (16 Pin Ribbon Cable Clip)



Description: Metal retainer clip that holds the 16 pin ribbon cable in place

Replacement Manufacturer: 3M

Replacement Manufacturer Part Number: 3505-8016

Mouser Part Number: 517-3505-8016

IFR A-7550 BNC to SMA Connector used on Analyzer Input, Tracking Generator Output, Cal Output, and Video Output and Sweep Output on Rear Panel (No Picture Available)

Description: BNC to SMA connector used on Analyzer Input, Tracking Generator Output, Cal Output, and Video Output and Sweep Output on Rear Panel

Replacement Manufacturer: Amphenol

Replacement Manufacturer Part Number: 901-9173

Digikey Part Number: N/A (Minimum order QTY of 100)

Mouser Part Number: 523-901-9173

IFR A-7550 "PWR/STANDBY/BATT" Rocker Switch



Description: 3 Position ON/OFF/ (ON) Red Rocker Switch

Replacement Manufacturer: C&K Components

Replacement Manufacturer Part Number: 7207J16ZBI22

Digikey Part Number: 7207J16ZBI22-ND

Mouser Part Number: 611-7207J16ZBI22

Please note that rocker switch color will be black and not red

IFR A-7550 DC Jack



Description: DC jack mounted on rear of IFR A-7550 Power Supply

Replacement Manufacturer: Switchcraft

Replacement Manufacturer Part Number: 712A

Digikey Part Number: SC1048-ND

Mouser Part Number: 502-712A

IFR A-7550 Internal Battery



Description: Sealed Lead Acid Battery with T2 size terminals- replaces Cyclon 12V 5Ah Battery Pack
Replacement Manufacturer: BB Battery
Replacement Manufacturer Part Number: BP5-12-T2
Digikey Part Number: 522-1010-ND

Alternative Replacement Sealed Lead Acid Battery; Power-Sonic; 12V, 5Ah, T2 size terminals



Replacement Manufacturer: Power-Sonic 12V 5Ah
Replacement Manufacturer Part Number: PS-1250F2
Mouser Part Number: 547-PS1250F2

Alternative Replacement Sealed Lead Acid Battery; Power-Sonic ; 12V, 6Ah, T2 size terminals



Replacement Manufacturer: Power-Sonic
Replacement Manufacturer Part Number: PSH-1255F2-FR
Mouser Part Number: 547-PSH1255F2

IFR A-7550 Internal Battery Connector



Description: IFR A-7550 internal battery (12v, 5Ah) wiring connector on battery for connection to IFR battery charger harness

Replacement Manufacturer: Molex Inc.

Replacement Manufacturer Part Number: 03-09-2022

Digikey Part Number: WM1324-ND

Mouser Part Number: 538-03-09-2022

IFR A-7550 Internal Battery Connector Pins (Male)



Description: IFR A-7550 internal battery (12v, 5Ah) wiring connector male pins used on battery connector to IFR battery charger harness

Replacement Manufacturer: Molex Inc.

Replacement Manufacturer Part Number: 02-09-2103

Digikey Part Number: WM1100-ND

Mouser Part Number: 538-02-09-2103

IFR A-7550 Internal Battery Charger Connector



Description: A-7550 internal battery charger wiring connector for connection to internal battery

Replacement Manufacturer: Molex Inc.

Replacement Manufacturer Part Number: 03-09-1022

Digikey Part Number: WM1331-ND

Mouser Part Number: 538-03-09-1022

IFR A-7550 Internal Battery Charger Connector Pins (Female)



Description: IFR A-7550 internal battery charger wiring connector female pins used on internal battery charger connector

Replacement Manufacturer: Molex Inc.

Replacement Manufacturer Part Number: 02-09-1104

Digikey Part Number: WM1101-ND

Mouser Part Number: 538-02-09-1104

IFR A-7550 Power Supply AC Input Fuse 2.5A, 250V, Fast-Blo



Description: IFR A-7550 Power Supply AC Input Fuse located on panel, fast-blow 2.5A/250V fuse

Replacement Manufacturer: Bussmann/Eaton

Replacement Manufacturer Part Number: AGC-2-1/2-R

Digikey Part Number: 283-2628-ND

Mouser Part Number: 504-BK/AGC-2-1/2-R

IFR A-7550 Power Supply DC Input Fuse 7.5A, 250V, Fast-Blo



Description: IFR A-7550 Power Supply DC Input Fuse located on rear panel, fast-blow 7.5A/250V fuse

Replacement Manufacturer: Bussmann/Eaton

Replacement Manufacturer Part Number: AGC-7-1/2-R

Digikey Part Number: 283-2880-ND

Mouser Part Number: 504-BK/AGC-7-1-2-R

IFR A-7550 Power Supply Fuse Holder



Description: AC and DC Fuse holders located on power supply with black bezel and cap

Replacement Manufacturer: Littelfuse Inc.

Replacement Manufacturer Part Number: 348877Z

Digikey Part Number: F4920-ND

Mouser Part Number: 576-03480877Z