

MHC 50Ω aka AMC Micro Coaxial Connectors

Electrical

Impedance - 50Ω
 Frequency Range - DC-6GHz
 VSWR - 1.3 max (DC-3GHz)
 - 1.4 max (3~6GHz)

Features and Benefits

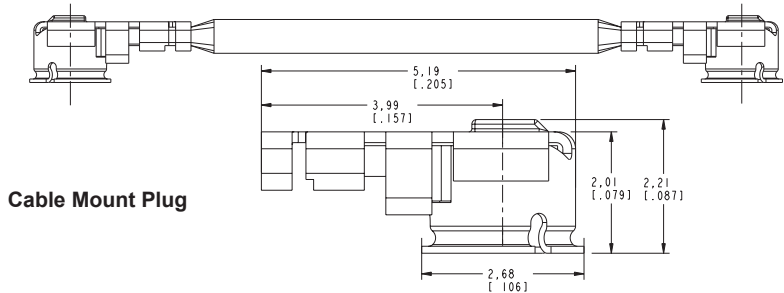
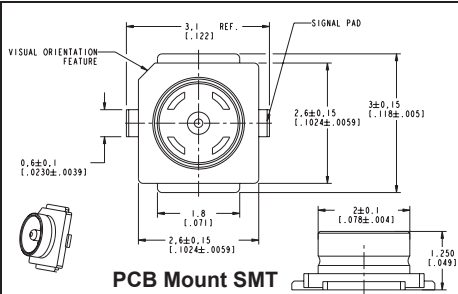
Snap-on/Snap-off Mating
 Ultra-Low Profile
 Small Foot-print 3mm x 3mm
 100% Compatible with Hirose U.FL Series
 Temperature - -40°C ~ 90°C
 Durability - 30 Cycles

Mechanical

Cable Assembly Supplied Terminated

Applications

WLAN, Bluetooth, NoteBook PC, GPS, Remote Measuring, and PDA



Part Number

MHC230

Typically 2,500/roll

Part Number System

MHC-231-xxx-xxx-x-x

CABLE OD

113 : 1.13mm OD Cable
 132 : 1.32mm OD Cable
 137 : for 1.37mm OD Cable

CABLE LENGTH

Length of assembly in mm e.g. 100 = 100mm
 Minimum length 35mm (035)

TERMINATION

1 : One Side
 2 : Both sides

CABLE COLOUR

G : Gray Cable Terminated
 B : Black Cable Terminated
 W : White Cable

AFI 50Ω and 75 Ω Board to Board RF Interface

Conceived specially for military and broadband applications. The AFI Interface utilizes propriety 'Float' technology to compensated axial (1mm) and radial (0.8mm) misalignment.

Electrical

Impedance - 50Ω
 Frequency Range - DC-6GHz
 VSWR - -25dB @ 1GHz
 RF Leakage - -70dB
 Power Handling - 95 Watts
 Impedance - 75Ω
 Frequency Range - DC-3GHz
 VSWR - -25dB @ 1GHz
 RF Leakage - -70dB
 Power Handling - 95 Watts

Materials

Female Body - Aluminum, Brass or Zinc
 Female Finish - Nickel
 Male Body - Spring Copper Alloy
 Male Finish - Gold
 Pin Contact - Beryllium Cooper
 Pin Finish - Gold

Features and Benefits

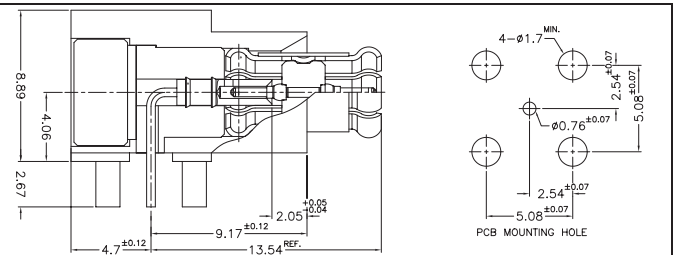
Float Technology
 In-Line or Dual-row versions available
 Temperature - -65°C ~ 165°C
 Durability - 100 Cycles

Applications

Mil/Aero
 Broadband
 Internet
 Routers
 Telecommunications
 CMTS
 Switch

Plugs

Part Number	Description
920-123P-71P	75 Ω Straight Plug for PCB Card Edge
920-132P-71P	75 Ω Edge Launch PCB w/Bullet Installed
920-137P-51S	50 Ω Straight Plug Receptacle Bulkhead
920-140P-71A	75 Ω Right Angle Plug for PCB
920-153P-51P	50 Ω Edge Launch PCB w/Bullet Installed



Receptacles

Part Number	Description
920-133J-71P	75 Ω Straight Jack for PCB
920-138J-51S	50 Ω Straight Jack Receptacle Bulkhead
920-152J-71P	75 Ω Edge Launch PCB w/o Bullet
920-154J-51P	50 Ω Edge Launch PCB w/o Bullet

Consult Representative for Technical Drawing

Between Series Adapters

Part Number	Description	Part Number	Description
920-145A-51S	50 Ω Jack to MCX Plug	920-156A-71S	75 Ω Plug to 75 Ω MCX Jack
920-146A-51S	50 Ω Plug to MCX Jack	920-157A-51S	50 Ω adapter, SMA (F) to AFI w/o Bullet
920-155A-71S	75 Ω Jack to 75 Ω MCX Plug	920-158A-51S	50 Ω adapter, SMA (F) to AFI w Bullet