

# AMP QSL RF Connector System



This product is RoHS compliant.

## Description:

- Coaxial Cable Insulation
- Displacement Interface
- Low profile
- Highly reliable ruggedized interface
- Surface mount technology
- Excellent price-to-performance ratio

## Applications:

- PCI, Mini PCI, PCI Express
- Mobile Antenna / GPS / Radio Systems
- PDA / PCS / Handheld applications
- Wireless Communications systems
- Satellite Communications, Broadcast, Multimedia
- Automotive Telematics
- WiFi, WiMAX
- Broadcast / Set Top Box
- WNIC Cards

## Key Features:

- Surface Mount Compatible
- RoHS Compliant (Lead-free SMT process (260° C) compatible)
- PCI / PCI Express Compatible
- Designed for RG 174 & RG 316 Cable
- 3 port QSL footprint 12.5mm D x 17.5mm W
- 10mm x 10.6mm max. footprint (w/o panel extension)
- IP67 compatible designs available upon request
- Platform expandable for multiple ports and configuration options
- Overall Height < 10mm

## PCB RECEPTACLES

### Specifications :

- Impedance: 50 Ohms
- Rated voltage: 60 VAC (rms)
- Rated Current per Port: 5 A max.
- Operating Temperature: -40°C to + 85°C
- Durability: 500 cycles
- Conforms to the requirements of EIA/ECA-364-1000.01A (controlled environment applications)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each		
				1	5	10
<a href="#">571-1274824-2</a>	1274824-2	A	Three Port Flange Receptacle	10.78	10.09	9.43

## QSL CONNECTOR MATED PAIR VSWR TEST BOARDS

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each		
				1	5	10
<a href="#">571-2032605-1</a>	2032605-1	B	Test dongle, QSL to SMA	49.41	47.71	46.54
<a href="#">571-2016008-1</a>	2016008-1	C	Test board with Receptacle, QSL to UMCC	37.13	35.85	34.97
<a href="#">571-1513743-1</a>	1513743-1	D	Test board with Receptacle, QSL to SMA	99.07	95.48	93.07

## PIGTAIL CABLE PLUG ASSEMBLIES

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Length M (Ft.)	Price Each		
					1	5	10
<a href="#">571-2015518-1</a>	2015518-1	E	Three port without flange	.08 (2.62)	7.76	7.48	7.29
<a href="#">571-2053075-1</a>	2053075-1	F	Three port with flange	.08 (2.62)	7.66	7.39	7.21

## 3 PORT CABLE PLUG WITH ANTENNA MODULE ASSEMBLY

### 3-Port 802.11 a/b/g/n and WiMax QSL Antenna Assembly

#### Specifications :

- Frequency Range (MHz): 2300 - 2700; 3300 - 3800; and 4900 - 5875
- Upper Hemisphere: 0 dB1 @ 2.4GHz
- Average Gain: -3dB1 @ 5GHz
- Return Loss: > -8.5dB
- VSWR: < 2.2:1
- Operating Temp.: -40°C to 70°C
- Polarization: Vertical Linear
- Power Handling: 10 Watts max.
- Feed Point impedance: 50Ω
- Size: 100.18mm x 91.75mm x 23.65mm
- Weight: 130 grams

### Triple Dipole 802.11 a/b/g/n Antenna Assembly

#### Specifications:

- Frequency Range (GHz): 2.4 - 2.4835; 4.9 - 5.875 GHz
- Azimuth Gain at connector (Ave.): -2 dBi @ 2.4 GHz; -4dBi@5 GHz
- Return Loss: < -10 dB
- VSWR: <2.0:1
- Operating Temp.: -40°C to 70°C
- Polarization: Vertical
- Power Handling: 10 Watts max.
- Feed Point impedance: 50Ω
- Size: 95mm X 85mm
- Weight: 180 grams

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each		
				1	5	10
<a href="#">571-1513712-1</a>	1513712-1	G	Antenna Assembly with flange	19.04	18.35	17.50
<a href="#">571-1513711-1</a>	1513711-1	G	Antenna Assembly without flange	18.13	17.48	16.30
<a href="#">571-1513837-1</a>	1513837-1	H	MIMO Triple Dipole	24.05	23.50	22.87

