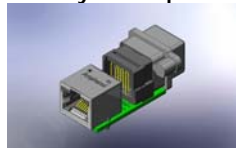


*Now you're connected!*

### MRJ CONNECTOR SERIES

#### About Amphenol Commercial Products

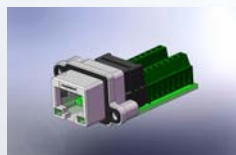
Amphenol's Commercial Connector Products are used in a variety of end user applications including Networking, Telecom, Server & Computer, Storage & HDD, Consumer Electronics and Entertainment, Professional Audio, Industrial & Military/Aerospace



With matching RJ45



With Cable Header



With Terminal Block



With PCB for wiring



#### Description

The design of Amphenol Canada's rugged RJ45 is ideal for harsh environments where Ethernet/IP protocol is used.

These connectors are available in 8 or 10 contact versions, right angle and vertical mount PCB with the option of adding LED's, EMI filtering and transient voltage protection. Both termination styles are available with a matching RJ45 connector, cable header and terminal block mounted on a PCB.

Other features include damage protection against accidental mating with an RJ11 or an improperly terminated RJ plug.

#### Applications

##### MARKETS:

Industrial

Military

##### APPLICATIONS

- Medical Equipment
- ATM Machines
- Lottery Terminals & Slot Machines
- GPS
- Positioning Equipment for Agriculture market
- Military Vehicles
- Military Radios
- Test Equipment
- Mobile Communication Systems
- Military Computers

Now you're connected!

#### RELATED PRODUCTS

Amphenol manufactures a line of rugged USB, rugged D-sub and rugged bulkhead adapters, all meeting IP67. Contact your local Amphenol representative for details.



#### Electrical Properties

Current Rating: 1.5 Amperes  
Contact Resistance: 30 milliohms maximum  
Insulation Resistance: 500 Mega ohm minimum  
DWV: 1000/1500 V AC @ sea level

#### Environmental Properties

RoHS Compliant  
Operating Temperature: -40°C to +105°C  
Thermal Shock: 25 cycles @ -40° C to +70° C  
Humidity: Per EIC512-6 / EIA364-11A

#### Mechanical & Material Properties

Shell: Die-cast Zinc, Nickel Plated  
Housing: High Temperature Thermoplastic UL94V0, Black  
Front Housing: Clear Polycarbonate  
Contacts: Phosphor Bronze, 50 u" (1.27 microns) Gold over Nickel  
Physical Shock: Per EIA 364-27 Condition H (11 ms 30G)  
Vibration: Per EIA 364-28 per Condition 5, Letter A

#### Available Documents

Drawing Number: P-MRJ-5XXX-XX  
P-MRJ-6XXX-XX  
P-MRJ-7XXX-XX

QTR9300376

#### Part Number

MRJ-5XXX-XX  
MRJ-6XXX-XX  
MRJ-7XXX-XX

**Amphenol**

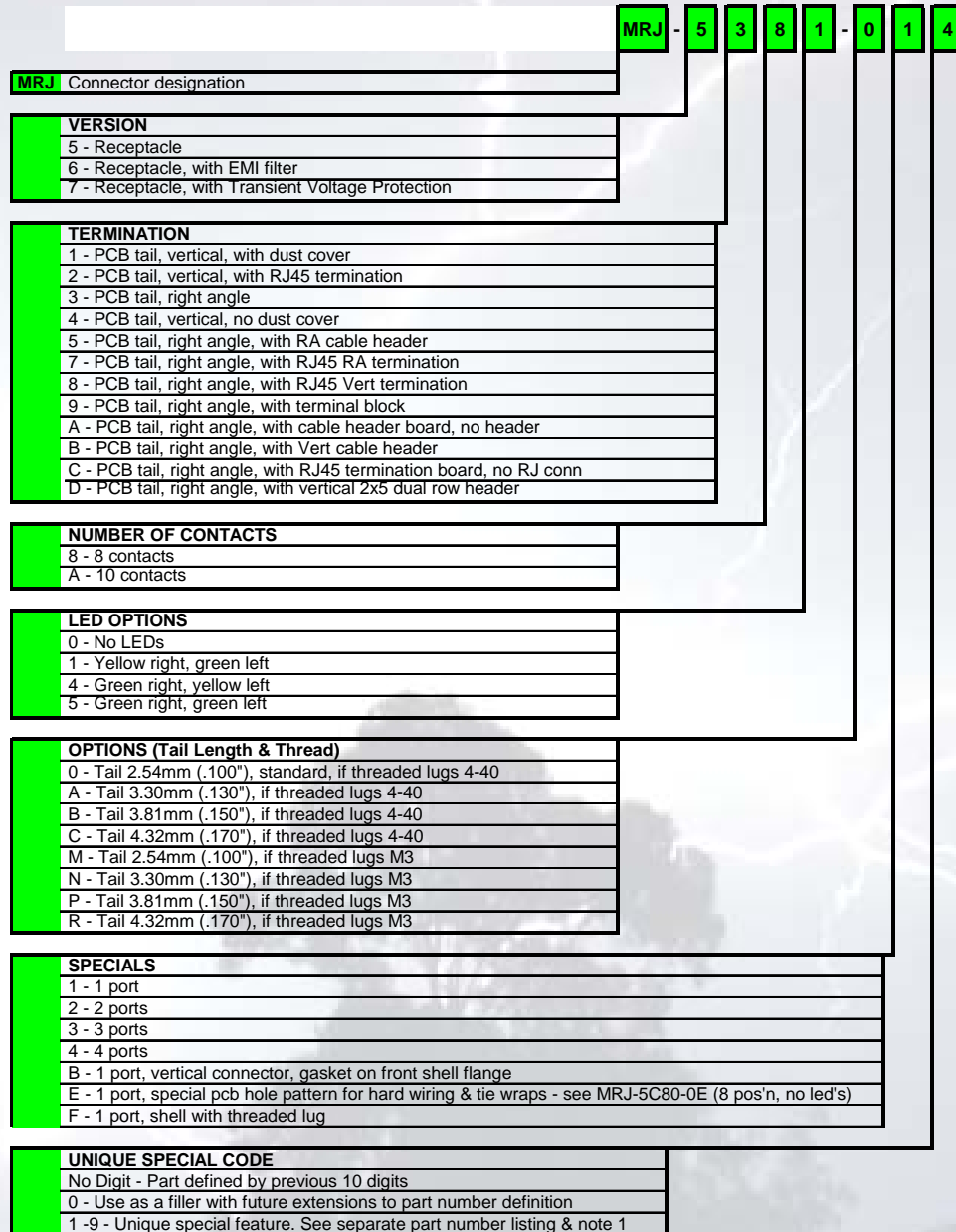
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**MRJ CONNECTOR PRODUCT NUMBERING SYSTEM**



**Notes**

1) Unique special code relates to total part number. Code 4, for example, may have different meanings depending upon the product.



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