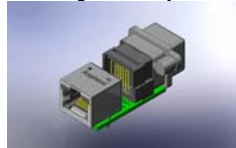


*Now you're connected!*

## MRJ CONNECTOR SERIES

### About Amphenol Commercial Products

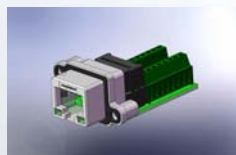
Amphenol's Commercial Connector Products are used in a variety of end user applications including Networking, Telecom, Server & Computer, Storage & HDD, Consumer Electronics and Entertainment, Professional Audio, Industrial & Military/Aerospace



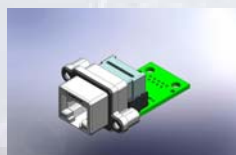
With matching RJ45



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**

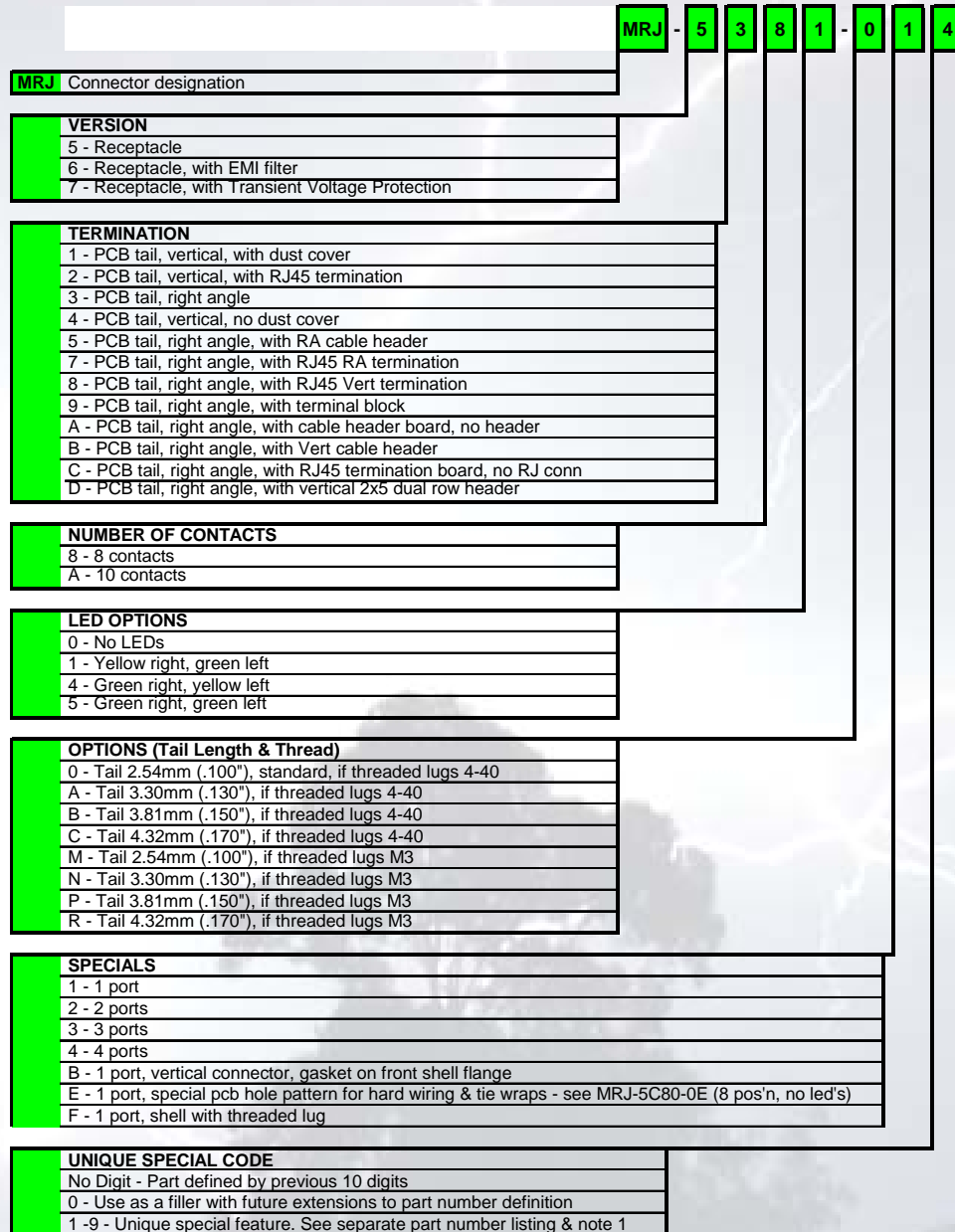
Amphenol Canada  
605 Milner Avenue  
Toronto, Ontario, Canada M1B 5X6  
Telephone: 416-291-4401  
Fax: 416-754-8668

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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.



Amphenol Canada  
 605 Milner Avenue  
 Toronto, Ontario, Canada M1B 5X6  
 Telephone: 416-291-4401  
 Fax: 416-754-8668

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