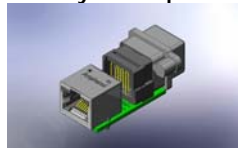


Now you're connected!

MRJ CONNECTOR SERIES

About Amphenol Commercial Products

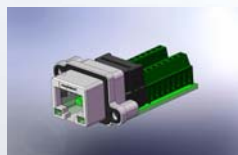
Amphenol's Commercial Connector Products are used in a variety of end user applications including Networking, Telecom, Server & Computer, Storage & HDD, Consumer Electronics and Entertainment, Professional Audio, Industrial & Military/Aerospace



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

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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

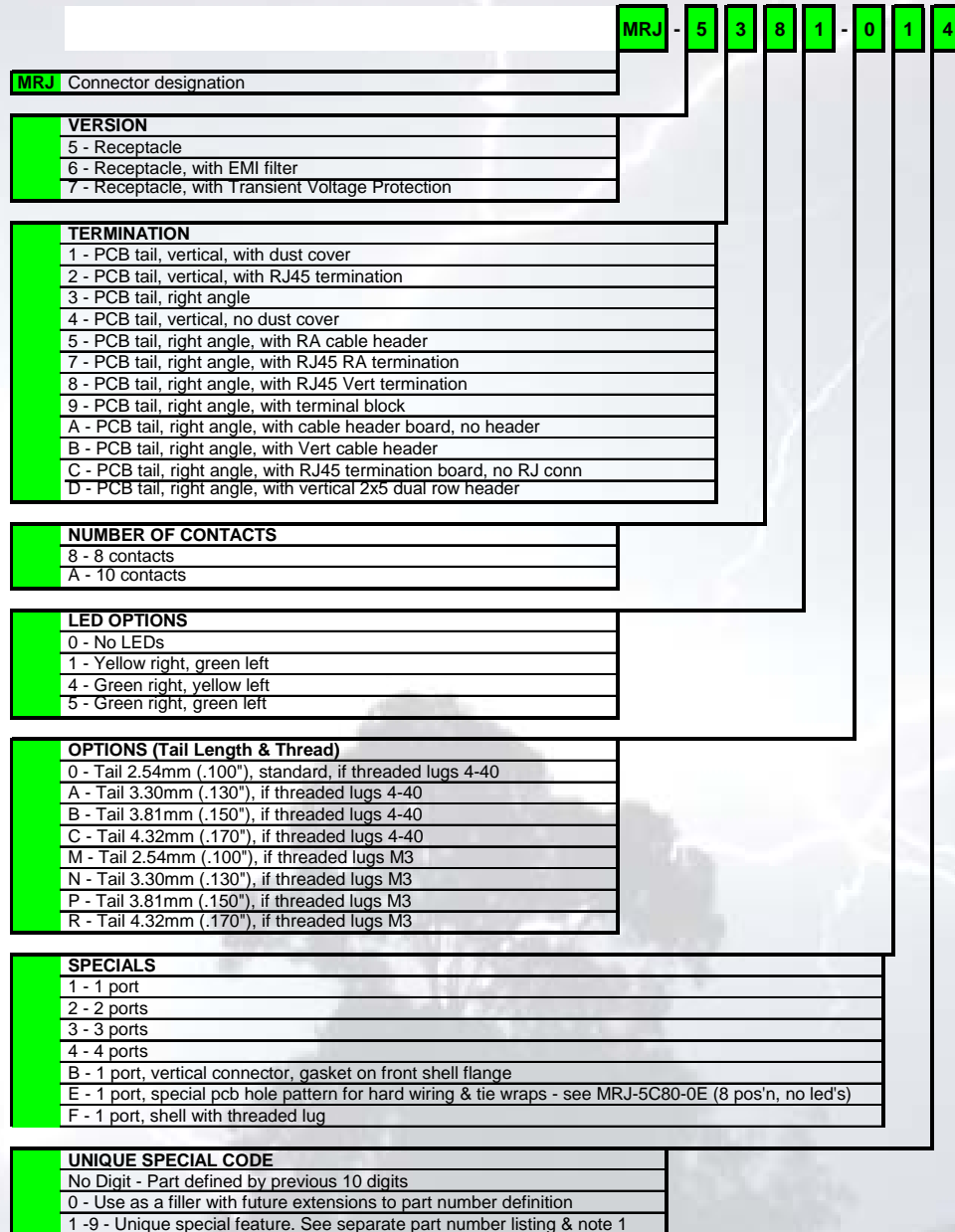
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Fax: 416-754-8668

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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.

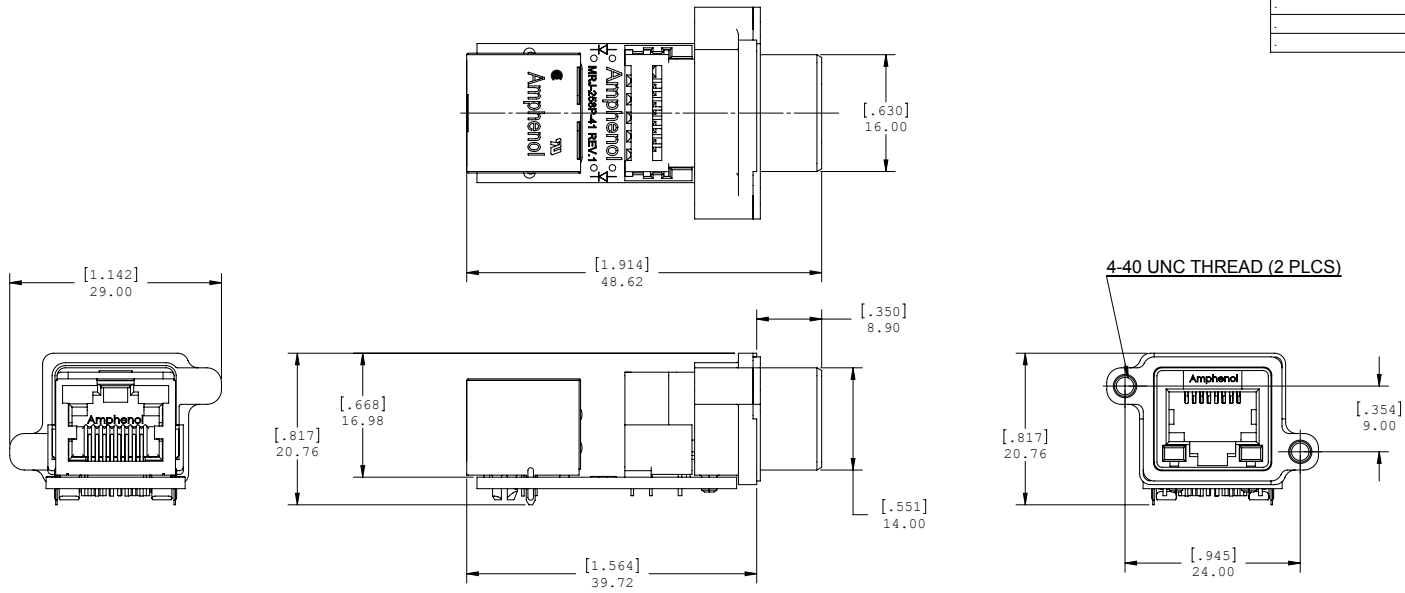
Amphenol

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Fax: 416-754-8668

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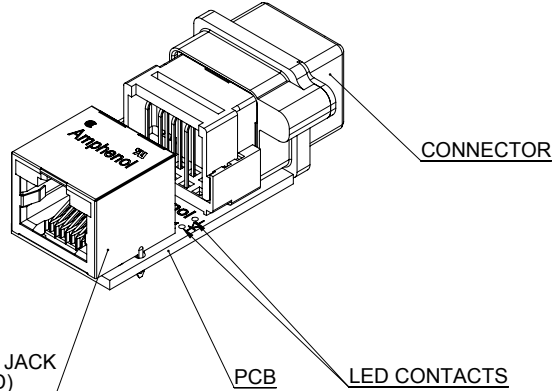
REV	DESCRIP	DATE	APPRVD



4-40 UNC THREAD (2 PLCS)

NOTES:

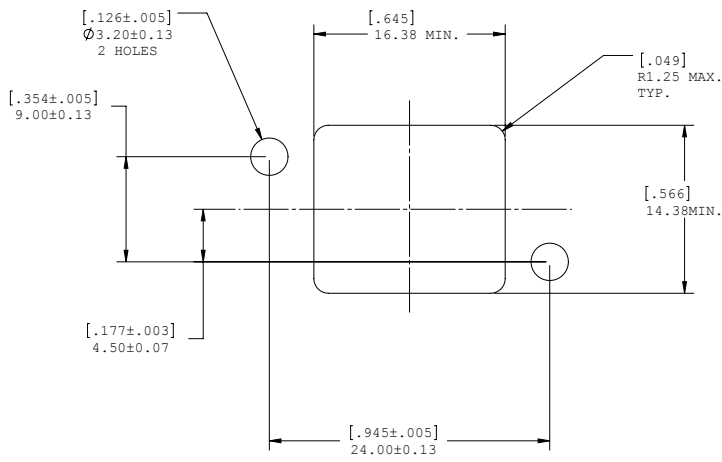
- COMPONENTS:
 - CONNECTOR: MRJ-538X-0X, RECEPTACLE, 8 CONTACTS.
 - TERMINATION: RJ45, PLUG.
- FEATURE: SEALED CONNECTOR IN THE MATED AND UNMATED CONDITIONS.
- OPERATING TEMPERATURE: -40°C TO +105°C.
- CONNECTOR MEETS CATEGORY CAT5E REQUIREMENTS DESCRIBED IN TIA/EIA-568-B.1 PART 2.
- ENVIRONMENT PERFORMANCE: IP67.
- ALL COMPONENTS AND MATERIALS USED FOR CONNECTOR AND PACKAGING ARE ROHS COMPLIANT PER EU DIRECTIVE 2002/95/EC AND AMENDMENTS.



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DECIMALS	ANGLES	DRAWN	JAN01/07	TITLE		
XX ± .10	± 1°	S.SEMENOV	JAN01/07			
X ± .25		DESIGNED		MRJ CONNECTOR WITH RJ45 TERMINATION		
		S.SEMENOV				
MATERIAL AND FINISH		CHECKED		SIZE	DWG. NO.	REV.
		QA APP'D		C	P-MRJ-578X-X1	2A
REF.		IE APP'D		SCALE	PROJECT	SHEET
		DWG APP'D	JAN01/07	1:0.4	MRJ	1 OF 2
CODE IDENT. NO.		A.GREEN				

REV	DESCRIPT	DATE	APPRVD



RECOMMENDED PANEL CUTOUT



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DECIMALS	ANGLES	DRAWN	JAN01/07	TITLE		
.XX ± .10	± 1°	S.SEMENOV	JAN01/07			
.X ± .25		DESIGNED	JAN01/07	MRJ CONNECTOR WITH RJ45 TERMINATION		
		S.SEMENOV	JAN01/07			
MATERIAL AND FINISH		CHECKED		SIZE	DWG. NO.	REV.
		QA APP'D		C	P-MRJ-578X-X1	2A
REF.		IE APP'D		SCALE	PROJECT	SHEET
CODE IDENT. NO.		DWG APP'D	JAN01/07	4:1	MRJ	2 OF 2
		A.GREEN				

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