[.630]
16.00

[1.914]
48.62

[1.142]
29.00

[.350]
8.90

4-40 UNC THREAD (2 PLCS)

[.668]
16.98

[.817]
20.76

[.354]
9.00

[.551]
14.00

[1.564]
39.72

[.945]
24.00

CONNECTOR

NOTES:

1. COMPONENTS:

   - CONNECTOR: MRJ-538X-0X, RECEPTACLE, 8 CONTACTS.
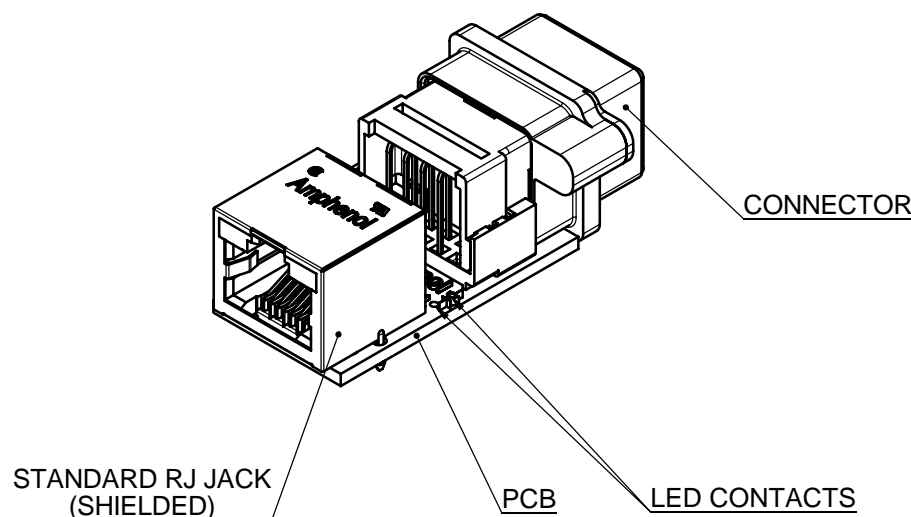
   - TERMINATION: RJ45, PLUG.

2. FEATURE:SEALED CONNECTOR IN THE MATED AND UNMATED CONDITIONS.

3. OPERATING TEMPERATURE: -40°C TO +105°C.

4. ENVIROMENT PERFORMANCE: IP67.

5. ALL COMPONENTS AND MATERIALS USED FOR CONNECTOR AND PACKAGING ARE
   ROHS COMPLIANT PER EU DIRECTIVE 2002/95/EC AND AMENDMENTS.

STANDARD RJ JACK
(SHIELDED)

PCB

LED CONTACTS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETER TOLERANCES ARE:	APPROVALS	DATE	**Amphenol Canada Corp.**		
	DRAWN S.SEMENOV	MAY01/06			
DECIMALS ANGLES .XX ± .10 ± 1° .X ± .25	DESIGNED S.SEMENOV	MAY01/06	TITLE MRJ CONNECTOR, 8 CONTACTS, WITH RJ45 TERMINATION		
	CHECKED				
MATERIAL AND FINISH	QA APP'D				
	IE APP'D		SIZE C	DWG. NO. P-MRJ-578X-X1	REV. 2
REF.					
CODE IDENT. NO.	DWG APP'D K.BOUTROS	MAY01/06	SCALE 1:0.4	PROJECT MRJ	SHEET 1 OF 2

RoHS
Compliant
Amphenol Canada Corp
EU 2002/95/EC

MRJ CONNECTOR
PRODUCT NUMBERING SYSTEM

MRJ - X1 X2 X3 X4 - X5 X6

MRJ - Connector designation

X1 - Version
5 - Receptacle
6 - Receptacle, with EMI filter
7 - Receptacle, with Transient Voltage Protection

X2 - Termination
1 - PCB mount, vertical, with dust cover
2 - PCB mount, vertical, with RJ45 termination
3 - PCB mount, right angle
4 - PCB mount, vertical, no dust cover
5 - PCB mount, right angle, with cable header
7 - PCB mount, right angle, with RJ45 termination
9 - PCB mount, right angle, with terminal block
A - PCB mount, right angle, with cable header board, no header

X3 - Number of contacts
8 - 8 contacts
A - 10 contacts

X4 - LED options
0 - No LEDs
1 - Yellow right, green left
4 - Green right, yellow left
5 - Green right, green left

X5 - Contact tail length
0 - 2.54 mm [0.100"], standard
A - 3.30 mm [0.130"]
B - 3.82 mm [0.150"]
C - 4.32 mm [0.170"]

X6 - Number of ports, options
1 - 1 port
2 - 2 ports
3 - 3 ports
4 - 4 ports
F - 1 port, shell with threaded lug

RECOMMENDED PANEL CUTOUT

[.126±.005]
Ø3.20±0.13
2 HOLES

[.354±.005]
9.00±0.13

[.177±.003]
4.50±0.07

[.645]
16.38 MIN.

[.049]
R1.25 MAX.
TYP.

[.566]
14.38MIN.

[.945±.005]
24.00±0.13

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MILLIMETER
TOLERANCES ARE:

DECIMALS   ANGLES
.XX   ± .10   ± 1°
.X   ± .25

MATERIAL AND FINISH

REF.

CODE IDENT. NO.

APPROVALS	DATE
DRAWN S.SEMENOV	MAY01/06
DESIGNED S.SEMENOV	MAY01/06
CHECKED	
QA APP'D	
IE APP'D	
DWG APP'D K.BOUTROS	MAY01/06

Amphenol Canada Corp.

TITLE
MRJ CONNECTOR, 8 CONTACTS,
WITH RJ45 TERMINATION

SIZE C | DWG. NO. P-MRJ-578X-X1 | REV. 2
SCALE 4:1 | PROJECT MRJ | SHEET 2 OF 2