

REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
D	PRODUCT DRAWING (EAR 14166)	APR15/13	K.L.
E	PRODUCT DRAWING (EAR 14296)	JUL24/14	K.L.

**ORDERING CODE: MRJ-578X-X1**

SERIES, RUGGED RJ

RECEPTACLE, 8 CONTACTS  
RIGHT ANGLE, ON PCB  
WITH STANDARD RJ RECEPTACLE

LED OPTION:

0 = NONE  
1 = LEFT GREEN, RIGHT YELLOW  
4 = LEFT YELLOW, RIGHT GREEN  
5 = LEFT GREEN, RIGHT GREEN

MOUNTING HOLE THREAD OPTION:  
0 = #4-40 UNC THREAD  
M = M3 X 0.5 THREAD

SINGLE PORT

#### SPECIAL CONNECTORS

MANY UNIQUE FEATURES ARE READILY  
AVAILABLE TO SUIT CUSTOMER  
REQUIREMENTS. CONSULT WITH  
AMPHENOL CANADA FOR DETAILS.

#### NOTES:

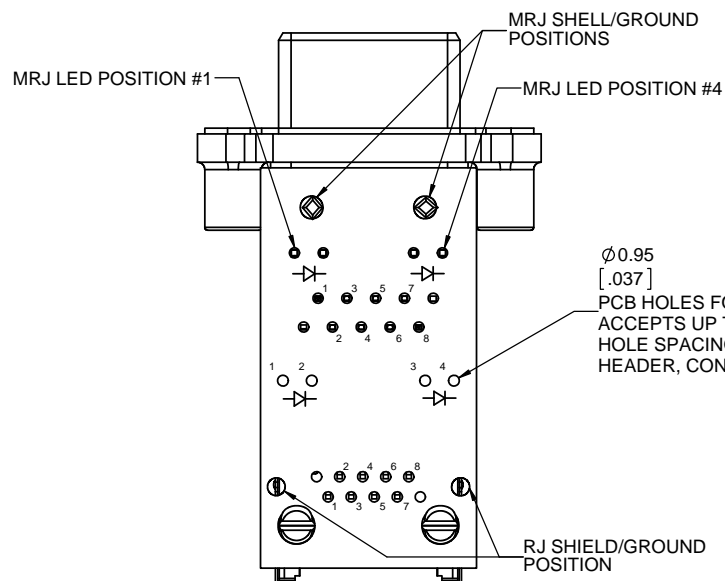
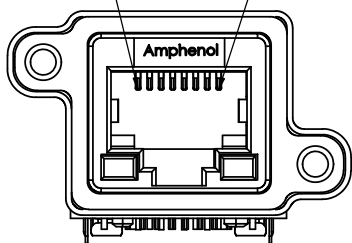
- MATERIAL:**  
ALL MATERIALS ARE RoHS COMPLIANT PER EU DIRECTIVE 2011/65/EU AND AMENDMENTS
  - SHELL - DIECAST ZINC ALLOY, NICKEL PLATED
  - CONTACTS - PHOSPHOR BRONZE WITH 1.27 µm [50 µ"] GOLD OVER 1.27 µm [50 µ"] MINIMUM NICKEL ON THE MATING AREA AND MATTE TIN OVER NICKEL ON THE CONTACT TAILS.
  - INSERTS - ENGINEERING THERMOPLASTIC, FLAMMABILITY RATING UL94V-0
  - REAR INSERTS: BLACK NYLON, FRONT INSERT: CLEAR POLYCARBONATE
  - LED'S - EPOXY LENS, STEEL TAILS WITH TIN PLATING
  - GASKET - SILICONE RUBBER
  - PCB - FR-4 FIBERGLASS, LEAD FREE
  - STANDARD RJ RECEPTACLE - AMPHENOL P/N RJHSE-5F80, PHOSPHOR BRONZE CONTACTS WITH 1.27 µm [50 µ"] GOLD OVER NICKEL ON MATING AREA, BLACK NYLON INSERT AND COPPER ALLOY SHIELD WITH NICKEL PLATING
- ENVIRONMENTAL PERFORMANCE PER IEC 60529 CODE IP67 FOR SEAL BETWEEN MATING AREA AND PCB SIDE OF CONNECTOR. GASKET PROVIDES SEAL TO INSIDE FACE OF PANEL.
- CURRENT RATING: 1.5 AMPERES.
- CONTACT RESISTANCE: 80 MILLIOHMS MAXIMUM (SUBJECT TO VERIFICATION).
- OPERATING TEMPERATURE: -40°C TO +105°C.
- LED CHARACTERISTICS: FORWARD DC CURRENT 25 mA MAX, FORWARD VOLTAGE 2.5 V MAX @ 2 mA.
- AVAILABLE MATING AREA COVERS PROVIDE ADDED PROTECTION. CONSULT WITH AMPHENOL CANADA FOR DETAILS.
- RECOMMENDED TORQUE FOR PANEL MOUNT SCREWS: 0.45 TO 0.65 Nm [4.0 TO 5.75 IN-LBS] FOR STEEL SCREWS WITH 3.00 [0.118] MINIMUM THREAD ENGAGEMENT.
- CUSTOMER TO VERIFY THAT ALL PROCESS CLEANERS ARE COMPATIBLE WITH POLYCARBONATE MATERIAL.



UNLESS SPECIFIED OTHERWISE	DRAWN	S.SEMENOV	JAN01/07
PRIMARY UNITS MILLIMETERS	CHECKED		
SECONDARY UNITS INCHES	M.E. APP'D		
REFERENCE IN PARENTHESES	Q.A. APP'D		
GENERAL TOLERANCES	DWG APPR.	A.GREEN	JAN01/07
1 DECIMAL PLACE	ENG. REL. NO.		
2 DECIMAL PLACES ±0.15	REF.		
3 DECIMAL PLACES	THIRD ANGLE PROJECTION		
ANGULAR DEGREES	DO NOT SCALE DRAWING		

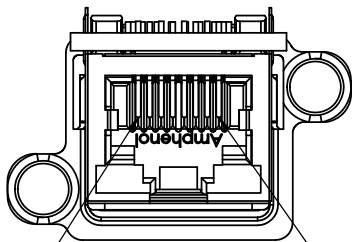
<b>Amphenol Canada Corp.</b> <a href="http://www.amphenolcanada.com">www.amphenolcanada.com</a> <b>MRJ SERIES RUGGED MODULAR JACK,</b> <b>8 POSITION, RIGHT ANGLE, ON PCB,</b> <b>WITH STANDARD RJ RECEPTACLE,</b> <b>RoHS COMPLIANT</b>			
<b>P-MRJ-578X-X1</b>			REV E
CODE ID NO. 03554	DWG SIZE: X	SCALE: 3:1	SHEET 1 OF 2

MRJ CONTACT 1 MRJ CONTACT 8



Ø0.95  
[.037]  
PCB HOLES FOR LED CONNECTIONS,  
ACCEPTS UP TO 22 AWG WIRE.  
HOLE SPACING SUITABLE FOR 2 PIN  
HEADER, CONSULT WITH AMPHENOL.

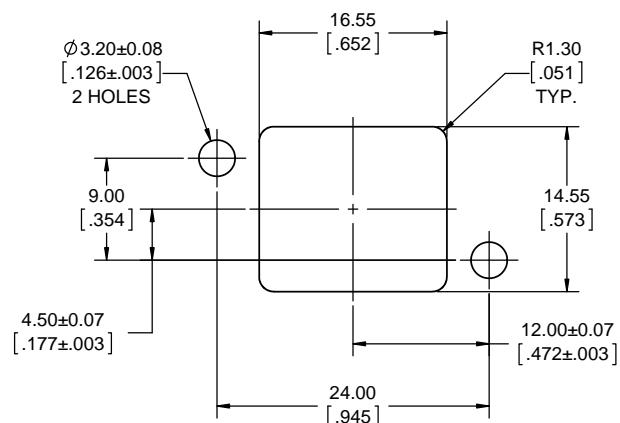
RJ CONTACT 1 RJ CONTACT 8



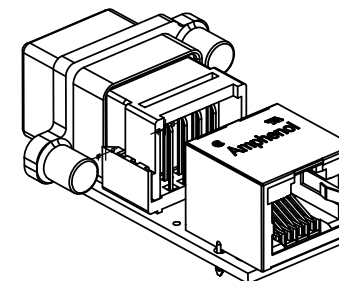
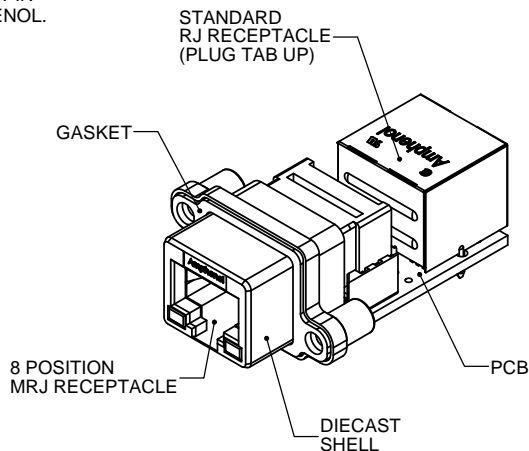
### MRJ TO RJ CONNECTIONS

MRJ	RJ
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
SHELL/GROUND	SHIELD/GROUND
PCB HOLES	
LED 1	1
LED 2	2
LED 3	3
LED 4	4

REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
D	PRODUCT DRAWING (EAR 14166)	APR15/13	K.L.
E	PRODUCT DRAWING (EAR 14296)	JUL24/14	K.L.



### RECOMMENDED PANEL CUTOUT OUTSIDE PANEL VIEW



UNLESS SPECIFIED OTHERWISE	DRAWN	S.SEMENOV	JAN01/07
PRIMARY UNITS MILLIMETERS	CHECKED		
SECONDARY UNITS INCHES	M.E. APP'D		
REFERENCE IN PARENTHESES	Q.A. APP'D		
GENERAL TOLERANCES	DWG APPR.	A.GREEN	JAN01/07
1 DECIMAL PLACE	ENG. REL. NO.		
2 DECIMAL PLACES ±0.15	REF.		
3 DECIMAL PLACES	THIRD ANGLE PROJECTION		
ANGULAR DEGREES	DO NOT SCALE DRAWING		

<b>Amphenol Canada Corp.</b> www.amphenolcanada.com	
MRJ SERIES RUGGED MODULAR JACK, 8 POSITION, RIGHT ANGLE, ON PCB, WITH STANDARD RJ RECEPTACLE, RoHS COMPLIANT	
DWG. NO.	REV
P-MRJ-578X-X1	E
CODE ID NO. 03554	DWG. SIZE: X
SCALE: 3:1	SHEET 2 OF 2

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Amphenol:](#)

[MRJ-5780-01](#)