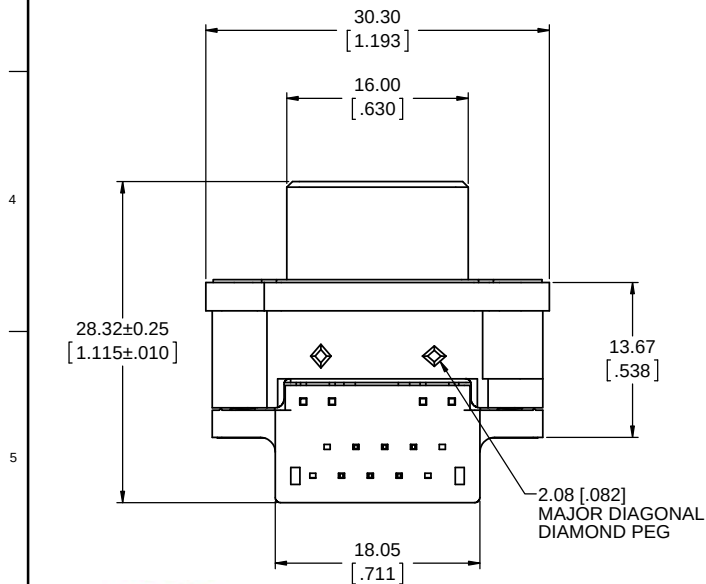
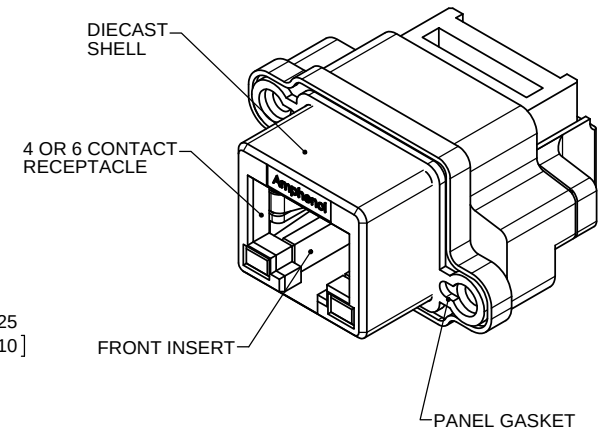
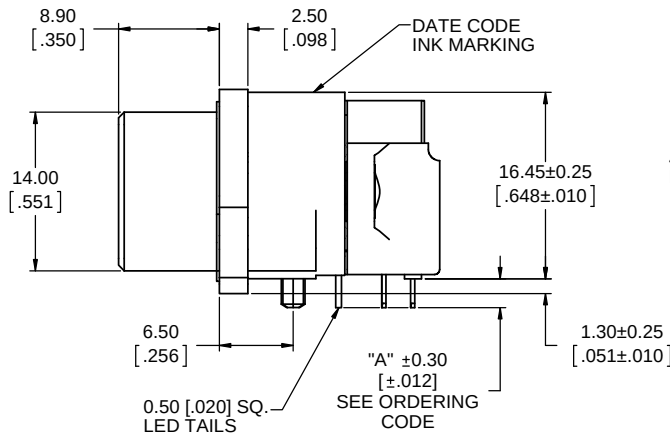
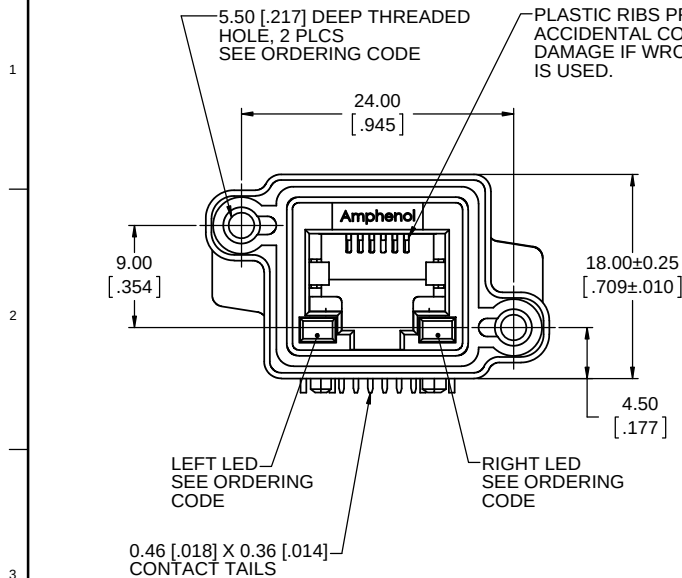


| REVISIONS |                              |          |       |
|-----------|------------------------------|----------|-------|
| REV       | DESCRIPTION, ECN, EAR NO.    | DATE     | APP'D |
| B         | PROPOSAL DRAWING (EAR 14084) | MAY29/12 | K.L.  |
| C         | PRODUCT DRAWING (EAR 14091)  | JUL24/12 | K.L.  |



ORDERING CODE: **M R J R - 33 X X - X 1**

- SERIES RUGGED RJ
- RJ 11 RECEPTACLE, RIGHT ANGLE, PCB TAIL
- NUMBER OF CONTACTS  
4 = 4 CONTACTS  
6 = 6 CONTACTS
- LED OPTION  
0 = NONE  
1 = LEFT GREEN, RIGHT YELLOW  
4 = LEFT YELLOW, RIGHT GREEN  
5 = LEFT GREEN, RIGHT GREEN
- TAIL LENGTH & MOUNTING HOLE THREAD OPTION  
0 = "A" 2.54 [.100], #4-40 UNC  
B = "A" 3.81 [.150], #4-40 UNC  
M = "A" 2.54 [.100], M3 X 0.5  
P = "A" 3.81 [.150], M3 X 0.5
- 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 2002/95/EC AND AMENDMENTS
  - SHELL - DIECAST ZINC, NICKEL PLATED
  - CONTACTS - PHOSPHOR BRONZE WITH 1.27µm [50 µ"] MIN GOLD OVER 1.27µm [50 µ"] MIN NICKEL ON THE MATING AREA AND MATTE TIN OVER NICKEL ON THE CONTACT TAILS.
  - INSERTS - ENGINEERING THERMOPLASTIC, UL94V-0, REAR INSERTS: BLACK NYLON, FRONT INSERT: CLEAR POLYCARBONATE
  - GASKET - SILICONE RUBBER, CONDUCTIVE, BLACK
  - LED'S - EPOXY LENS, STEEL TAILS WITH TIN PLATING
- ENVIRONMENTAL PERFORMANCE PER IEC 60529 CODE IP67 FOR SEAL BETWEEN MATING AREA AND PCB SIDE OF CONNECTOR GASKET PROVIDES FOR SEAL TO INSIDE FACE OF PANEL.
- CURRENT RATING: 1.5 AMPERES
- CONTACT RESISTANCE: 30 MILLIOHMS MAXIMUM
- OPERATING TEMPERATURE: -40C TO +105C
- LED CHARACTERISTICS: FORWARD DC CURRENT 25 mA MAX., FORWARD VOLTAGE 2.5V MAX. @ 2 mA.
- RECOMMENDED TORQUE FOR PANEL MOUNT SCREWS: 0.45 TO 0.65 N-m (4.0 TO 5.75 IN-LBS) FOR STEEL SCREWS WITH 3.00 (.118) THREAD ENGAGEMENT.
- CUSTOMER TO VERIFY THAT ALL PROCESS CLEANERS ARE COMPATIBLE WITH POLYCARBONATE MATERIAL.
- AVAILABLE MATING AREA COVERS PROVIDE ADDED PROTECTON. CONSULT WITH AMPHENOL CANADA FOR DETAILS.



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|                            |                        |           |          |
|----------------------------|------------------------|-----------|----------|
| UNLESS SPECIFIED OTHERWISE | DRAWN                  | B.COPPING | MAY29/12 |
| PRIMARY UNITS MILLIMETERS  | CHECKED                |           |          |
| SECONDARY INCHES           | M.E. APP'D             |           |          |
| REFERENCE IN PARENTHESES   | Q.A. APP'D             |           |          |
| GENERAL TOLERANCES         | DWG APPR.              | K.LAMBIE  | MAY29/12 |
| 1 DECIMAL PLACE            | ENG. REL. NO.          | EAR 14084 |          |
| 2 DECIMAL PLACES ±0.15     | REF.                   |           |          |
| 3 DECIMAL PLACES           | THIRD ANGLE PROJECTION |           |          |
| ANGULAR DEGREES            |                        |           |          |

**Amphenol Canada Corp.**  
www.amphenolcanada.com

MRJR SERIES MODULAR JACK,  
6 POSITION, 4 OR 6 CONTACTS, RIGHT ANGLE PCB TAIL, LED, THREAD & TAIL LENGTH OPTIONS, RoHS COMPLIANT

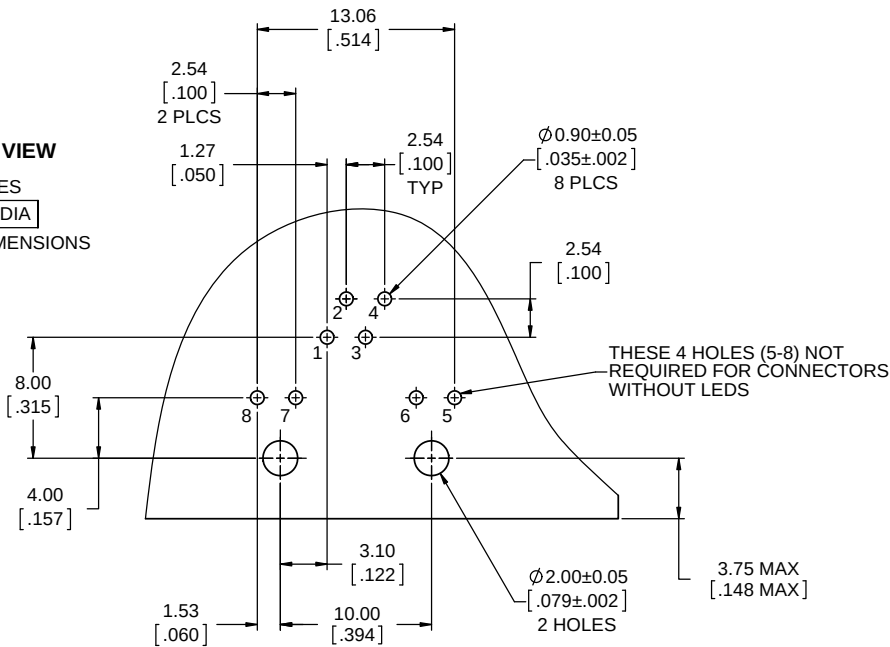
P-MRJR-33XX-X1

CODE ID NO. 03554 DWG. SIZE: X SCALE: 3:1 SHEET 1 OF 2

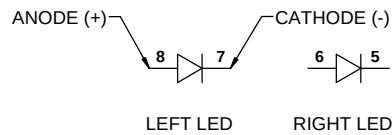
# RECOMMENDED PCB LAYOUT COMPONENT SIDE OF BOARD

## 4 POSITION VIEW

LOCATE HOLES  
 $\varnothing 0.13[.005]$  DIA  
 POSITION DIMENSIONS  
 ARE BASIC

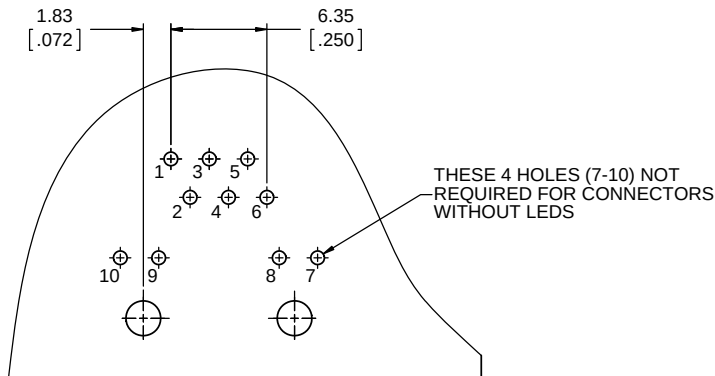


## 4 POSITION LED SCHEMATIC GREEN OR YELLOW

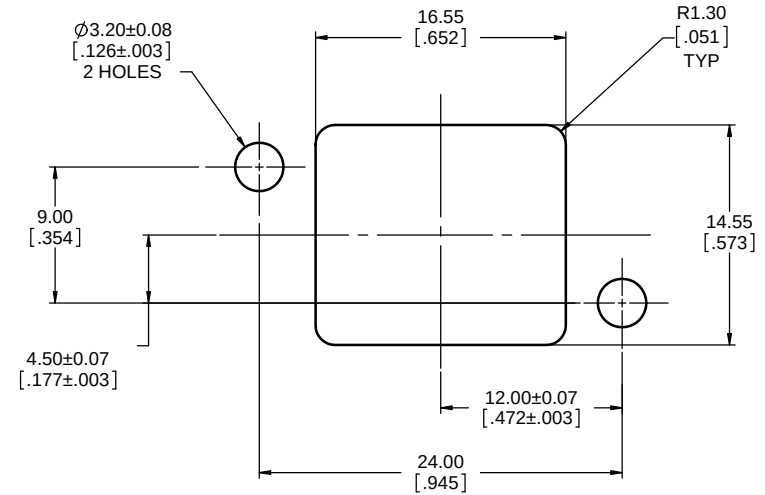
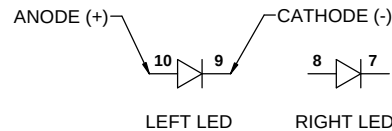


## 6 POSITION VIEW

LOCATE HOLES  
 $\varnothing 0.13[.005]$  DIA  
 POSITION DIMENSIONS  
 ARE BASIC



## 6 POSITION LED SCHEMATIC GREEN OR YELLOW



## RECOMMENDED PANEL CUTOUT OUTSIDE PANEL VIEW



|                            |                        |           |          |
|----------------------------|------------------------|-----------|----------|
| UNLESS SPECIFIED OTHERWISE | DRAWN                  | B.COPPING | MAY29/12 |
| PRIMARY UNITS MILLIMETERS  | CHECKED                |           |          |
| SECONDARY UNITS INCHES     | M.E. APP'D             |           |          |
| REFERENCE IN PARENTHESES   | Q.A. APP'D             |           |          |
| GENERAL TOLERANCES         | DWG APPR.              | K.LAMBIE  | MAY29/12 |
| 1 DECIMAL PLACE            | ENG. REL. NO.          | EAR 14084 |          |
| 2 DECIMAL PLACES ±0.15     | REF.                   |           |          |
| 3 DECIMAL PLACES           | THIRD ANGLE PROJECTION |           |          |
| ANGULAR DEGREES            |                        |           |          |

|                                                                                                                                                                                                                                               |             |            |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|--------------|
| <b>Amphenol Canada Corp.</b><br><a href="http://www.amphenolcanada.com">www.amphenolcanada.com</a><br>MRJR SERIES MODULAR JACK,<br>6 POSITION, 4 OR 6 CONTACTS, RIGHT<br>ANGLE PCB TAIL, LED, THREAD & TAIL<br>LENGTH OPTIONS, RoHS COMPLIANT |             |            |              |
| DWG. NO. <b>P-MRJR-33XX-X1</b>                                                                                                                                                                                                                |             |            | REV <b>C</b> |
| CODE ID NO. 03554                                                                                                                                                                                                                             | DWG SIZE: X | SCALE: 5:1 | SHEET 2 OF 2 |