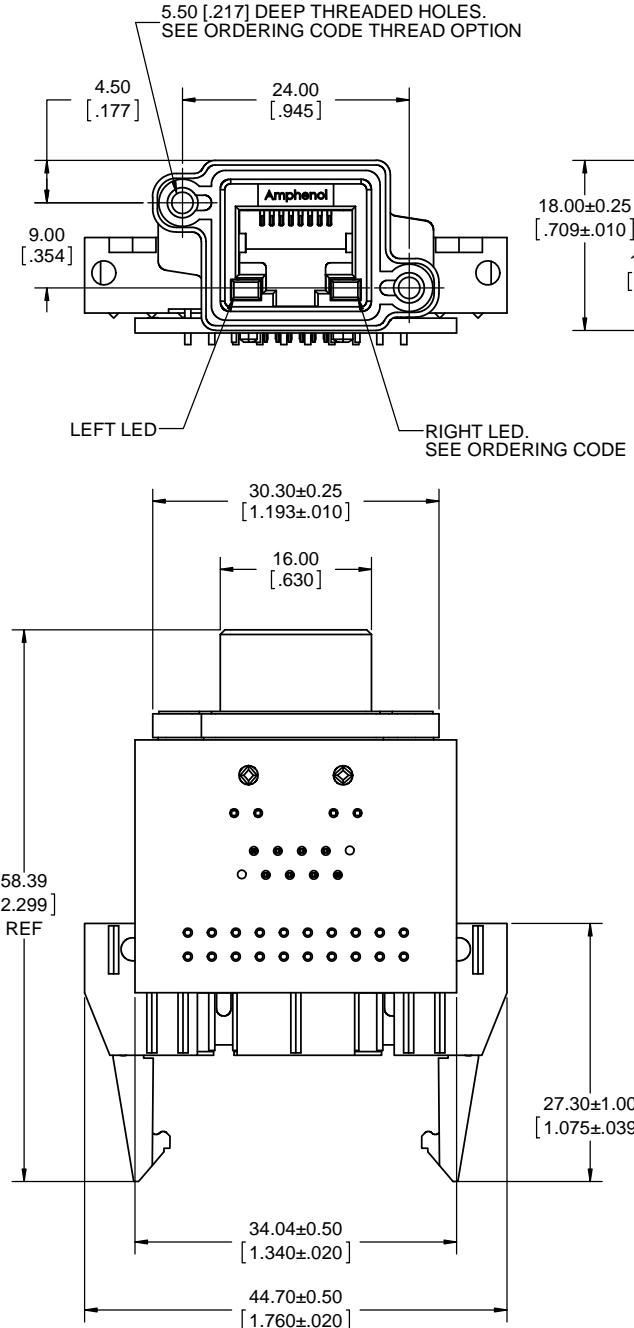


| A   | B                           | C | D | E        | F     | G         | H |
|-----|-----------------------------|---|---|----------|-------|-----------|---|
|     |                             |   |   |          |       | REVISIONS |   |
| REV | DESCRIPTION, ECN, EAR NO.   |   |   | DATE     | APP'D |           |   |
| A   | PRODUCT DRAWING (EAR 13977) |   |   | JAN31/13 | KL    |           |   |



ORDERING CODE: M R J R - 5 5 X X - X 1

SERIES, RUGGED RJ

RECEPTACLE, RIGHT ANGLE,  
ON PCB WITH RIGHT ANGLE  
CABLE HEADER

NUMBER OF CONTACTS:

8 = 8

A = 10

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



#### NOTES:

1. MATERIAL:  
ALL MATERIALS ARE RoHS COMPLIANT PER EU DIRECTIVE 2011/65/EU AND AMENDMENTS
  - SHELL - DIECAST ZINC, NICKEL PLATED
  - CONTACTS - PHOSPHOR BRONZE WITH 1.27µm [50µ"] GOLD OVER 1.27µm [50µ"] MINIMUM NICKEL ON THE MATING AREA AND MATTE TIN OVER NICKEL ON THE CONTACT TAILS.
  - INSERTS - ENGINEERING THERMOPLASTIC, UL94V-0 FLAMMABILITY RATING, REAR INSERTS: BLACK NYLON, FRONT INSERT: CLEAR POLYCARBONATE
  - PANEL GASKET - CONDUCTIVE SILICONE RUBBER, BLACK
  - LED'S - EPOXY LENS, STEEL TAILS WITH TIN PLATING
  - PCB - FR-4 FIBERGLASS, LEAD FREE
  - CABLE HEADER: THERMOPLASTIC HOUSING (UL94V-0, BLACK) WITH BRASS CONTACTS (PLATED GOLD OVER NICKEL), TYCO P/N 5499786-4 OR EQUIVALENT, HEADER MATES WITH TYCO RECEPTACLE 1658620-4 WITH STRAIN RELIEF 499252-2 OR EQUIVALENT
2. 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.
3. CURRENT RATING: 1.5 AMPERES
4. CONTACT RESISTANCE: 100 MILLIOHMS MAXIMUM (SUBJECT TO VERIFICATION)
5. OPERATING TEMPERATURE: -40C TO +105C
6. LED CHARACTERISTICS: FORWARD DC CURRENT 25 mA MAX, FORWARD VOLTAGE 2.5V MAX @ 2 mA
7. AVAILABLE MATING AREA COVERS PROVIDE ADDED PROTECTION. CONSULT WITH AMPHENOL CANADA FOR DETAILS.
8. 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 [.118] THREAD ENGAGEMENT.
9. CUSTOMER TO VERIFY THAT ALL PROCESS CLEANERS ARE COMPATIBLE WITH POLYCARBONATE MATERIAL.

| UNLESS SPECIFIED OTHERWISE<br>PRIMARY UNITS MILLIMETERS<br>SECONDARY INCHES<br>REFERENCE IN PARENTHESES | DRAWN<br>CHECKED<br>M.E. APP'D<br>Q.A. APP'D | D.WENG<br>JAN09/13<br>K.LAMBIE<br>JAN31/13 | ENG. REL. NO.<br>EAR 13977 | REF.<br>DWG. NO. | REV.<br>A |
|---|--|--|----------------------------|------------------|-----------|
| GENERAL TOLERANCES<br>1 DECIMAL PLACE<br>2 DECIMAL PLACES ±0.15<br>3 DECIMAL PLACES ANGULAR DEGREES     |  |  |                            |                  |           |
|   |  |  |                            |                  |           |
|   |  |  |                            |                  |           |

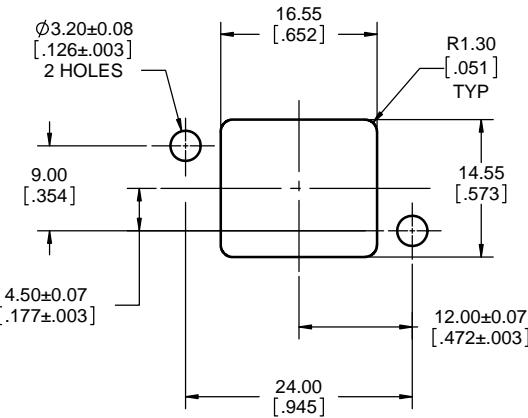
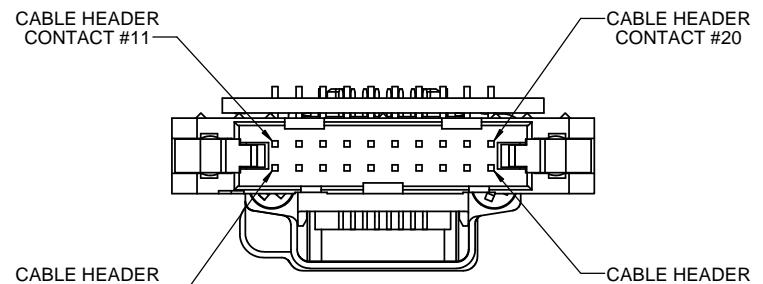
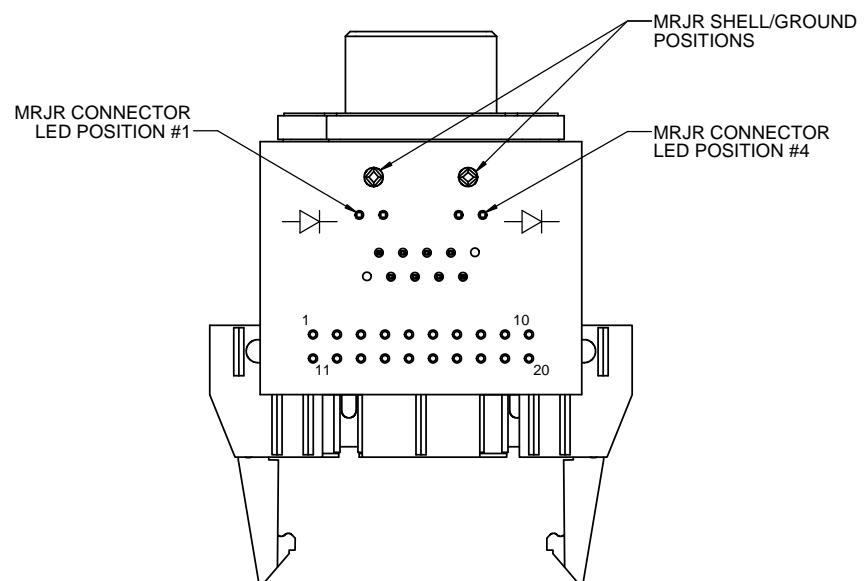
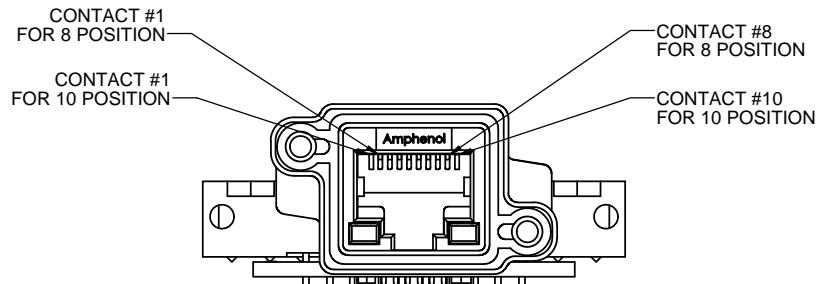
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www.amphenolcanada.com

MRJR SERIES RUGGED MODULAR JACK, ON  
PCB WITH RIGHT ANGLE CABLE HEADER, 8  
OR 10 POSITION, LED & THREAD OPTIONS,  
RoHS COMPLIANT

P-MRJR-55XX-X1

CODE ID NO. 03554 DWG SIZE: X SCALE: 5:2 SHEET 1 OF 2

| A   | B                           | C | D | E         | F     | G | H |
|-----|-----------------------------|---|---|-----------|-------|---|---|
|     |                             |   |   | REVISIONS |       |   |   |
| REV | DESCRIPTION, ECN, EAR NO.   |   |   | DATE      | APP'D |   |   |
| A   | PRODUCT DRAWING (EAR 13977) |   |   | JAN31/13  | KL    |   |   |



RECOMMENDED PANEL CUTOUT  
OUTSIDE PANEL VIEW

| MRJR TO HEADER CONNECTIONS CHART |            |              |                       |
|----------------------------------|------------|--------------|-----------------------|
| MRJR CONNECTOR STYLE             | 8 POSITION | 10 POSITION  | CABLE HEADER CONTACTS |
| SHELL/GROUND                     |            | SHELL/GROUND | 10                    |
| --                               |            | 1            | 2                     |
| 1                                | 2          | 12           |                       |
| 2                                | 3          | 3            |                       |
| 3                                | 4          | 13           |                       |
| 4                                | 5          | 4            |                       |
| 5                                | 6          | 14           |                       |
| 6                                | 7          | 5            |                       |
| 7                                | 8          | 15           |                       |
| 8                                | 9          | 6            |                       |
| --                               | 10         | 16           |                       |
| LED1                             | LED1       | 1            |                       |
| LED2                             | LED2       | 11           |                       |
| LED3                             | LED3       | 7            |                       |
| LED4                             | LED4       | 17           |                       |



|   |  |  |   |
|---|--|--|---|
| UNLESS SPECIFIED OTHERWISE<br>PRIMARY UNITS MILLIMETERS<br>SECONDARY INCHES<br>REFERENCE IN PARENTHESES | DRAWN<br>CHECKED<br>M.E. APP'D<br>Q.A. APP'D   | D.WENG<br>JAN09/13<br>DWG APPR. K.LAMBIE JAN31/13<br>ENG. REL. NO. EAR 13977<br>REF. |   |
| GENERAL TOLERANCES<br>1 DECIMAL PLACE<br>2 DECIMAL PLACES ±0.15<br>3 DECIMAL PLACES ANGULAR DEGREES     | THIRD ANGLE PROJECTION<br>DO NOT SCALE DRAWING |  | DWG. NO.<br>CODE ID NO. 03554 DWG SIZE: X SCALE: 5:2 SHEET 2 OF 2 |
|   |  |  | REV A   |
|   |  |  |   |

Amphenol Canada Corp.  
www.amphenolcanada.com

MRJR SERIES RUGGED MODULAR JACK,  
ON PCB WITH RIGHT ANGLE CABLE  
HEADER, 8 OR 10 POSITION, LED &  
THREAD OPTIONS, ROHS COMPLIANT

P-MRJR-55XX-X1  
REV A  
CODE ID NO. 03554 DWG SIZE: X SCALE: 5:2 SHEET 2 OF 2

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