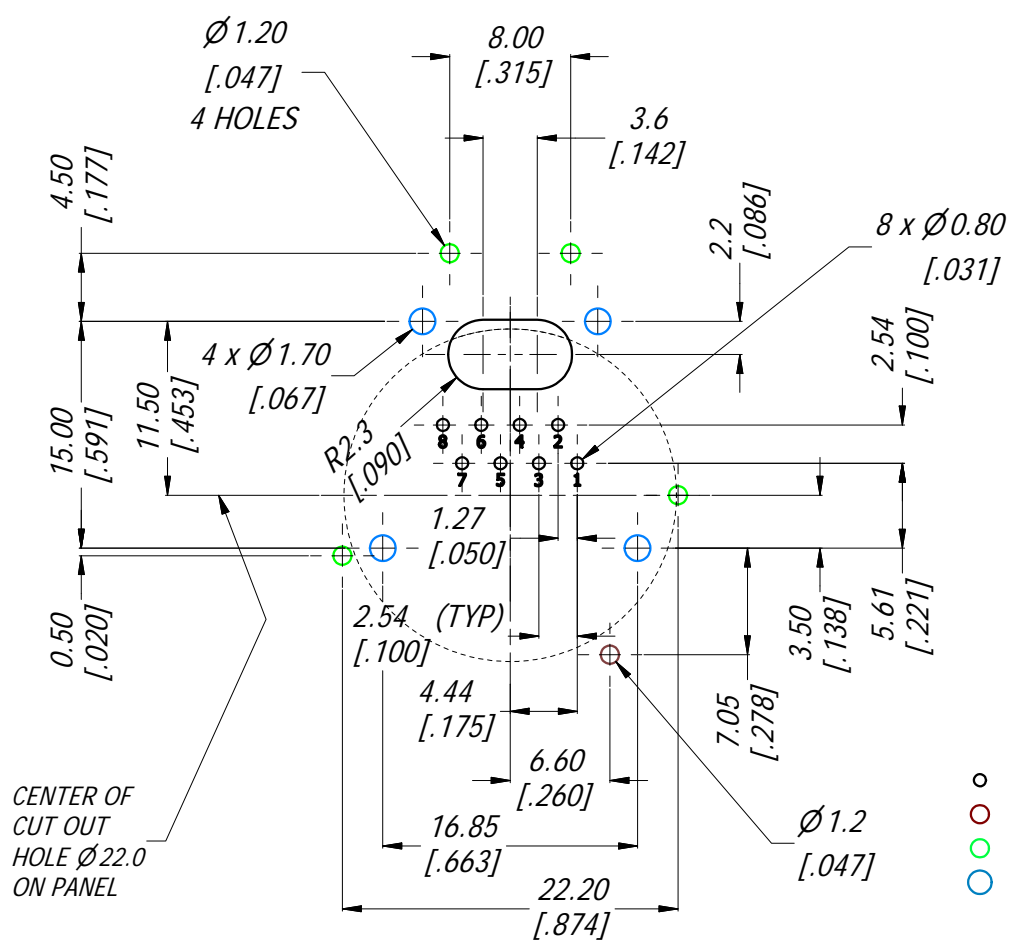


PANEL CUT OUT
3:2
(CONNECTOR FRONT VIEW)

MIN MOUNTING PITCH
1:1

3D VIEW
1:1



PCB LAYOUT
2:1
(CONNECTOR REAR VIEW)

- RJ45 CONTACTS
- RJ45 SHELL GROUND CONTACT
- SHIELD BOX LEGS
- CONNECTOR LOCATION PINS

SPECIFICATIONS:

1. MATERIALS:
 - PLASTIC INSERT & HOUSING: HIGH TEMPERATURE THERMOPLASTIC FLAMMABILITY RATING UL94V-0 DSM Stanyl, 30% BLACK
 - FRONT METAL SHELL: ZINC ALLOY ZAMAK 3, NICKEL PLATE (B TYPE).
 - CONTACTS: PHOSPHORE BRONZE, 1.27 um GOLD PLATE ON MATING SURFACES, 1.27 um NICKEL MIN UNDERPLATE. 3.81 um MIN MATTE TIN ON CONTACT TAILS.
 - LATCH LOCK AND SPRING: SPRING STEEL, NICKEL PLATE.
 - EMI/RFI HOOD: BRASS, TIN PLATE
2. ELECTRICAL CHARACTERISTICS:
 - RATED VOLTAGE: 125 VAC
 - TYPICAL CONTACT RESISTANCE: 20 mOhm
 - INSULATION RESISTANCE: >500 MOhm
 - DIELECTRIC STRENGTH: 1000 VAC, 60 SECONDS
 - TRANSMISSION SPECIFICATION/CLASS: COMPLIES WITH CAT5e 1000 BASE-T PER EIA-568-C.2
 - PoE+ COMPLIES WITH 802.3at Type 2 (SEE PSE PINOUT ALTERNATIVE TABLE)

PSE PINOUT ALTERNATIVES

| CONDUCTOR | Alternative-A (MDI-X) | Alternative-A (MDI) | Alternative-A (All) |
|-----------|---------------------------|---------------------------|---------------------------|
| 1 | Negative V _{PSE} | Positive V _{PSE} | |
| 2 | Negative V _{PSE} | Positive V _{PSE} | |
| 3 | Positive V _{PSE} | Negative V _{PSE} | |
| 4 | | | Positive V _{PSE} |
| 5 | | | Positive V _{PSE} |
| 6 | Positive V _{PSE} | Negative V _{PSE} | |
| 7 | | | Negative V _{PSE} |
| 8 | | | Negative V _{PSE} |

| | | | |
|--|--------------------------------------|--|---------------------------|
| UNLESS OTHERWISE SPECIFIED TOLERANCE TO BE | | THIS DOCUMENT IS THE PROPERTY OF AMPHENOL AUSTRALIA PTY. LTD. NO PART THEREOF MAY BE REPRODUCED AND USED WITHOUT THE PRIOR WRITTEN CONSENT OF THE OWNER. | |
| LINEAR | ANGULAR | MATERIAL: | DRN: T.N DATE: 10/02/14 |
| X ± 0.5 X.X ± 0.1 X.X ± 0.05 | X' ± 1 X.X' ± 30' X.X'X' ± 15' | REFER SPECIFICATION | CKD: P.M DATE: 10/02/14 |
| BREAK ALL SHARP EDGES AND REMOVE ALL BURRS | | FINISH: | APP'D: P.M DATE: 10/02/14 |
| DO NOT SCALE | | SCALE: 3:2 | SIZE: A3 |
| DIMENSIONS IN MILLIMETRES | | THIRD ANGLE PROJECTION | |

| | | | |
|---|--|---|-----------------|
| Amphenol | | Amphenol Australia Pty.Ltd, 22 Industry Blvd, Carrum Downs VIC 3201 Australia | |
| TITLE: XLRnet CONNECTOR VERTICAL EMI SHIELD WITHOUT LED | | PART No: RJX8FB5VEB | REV 1 |
| DRAWING No. 55010955-000 | | SHEET 6/6 | |

