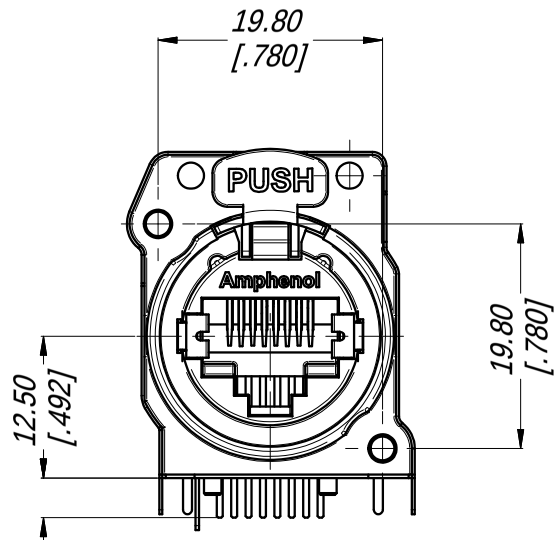
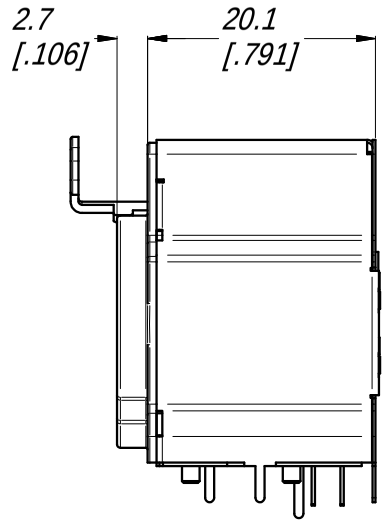
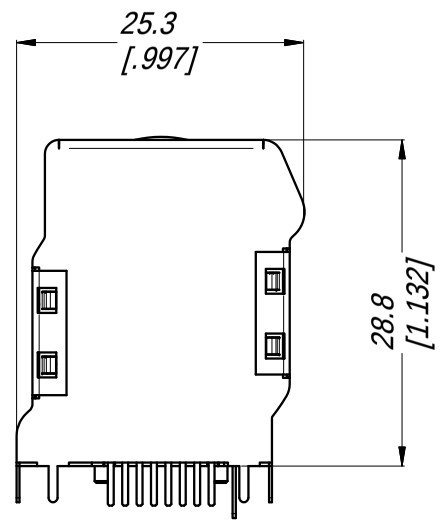
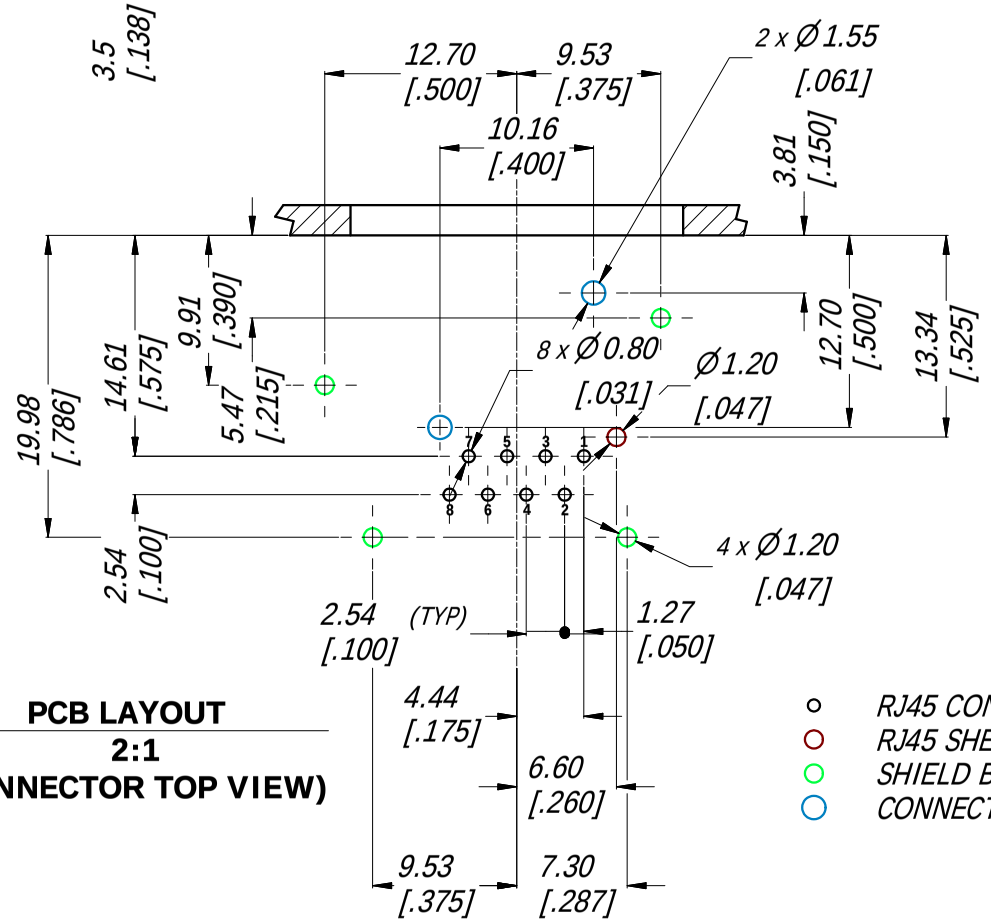
Downloaded from Arrow.com.



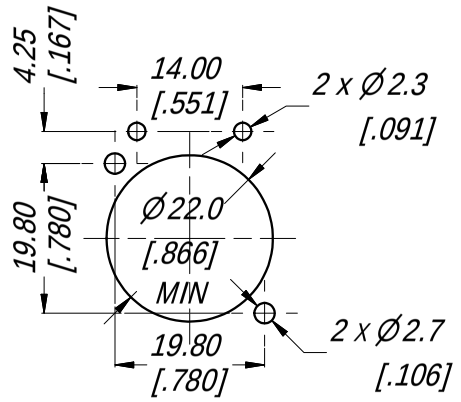



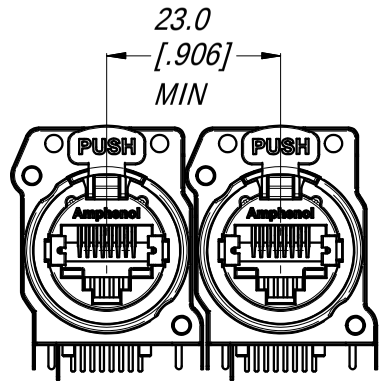




**PCB LAYOUT**
**2:1**
**(CONNECTOR TOP VIEW)**

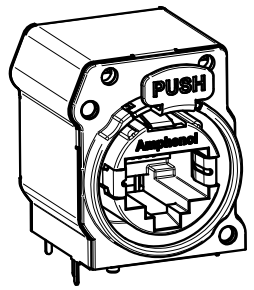
- RJ45 CONTACTS
- RJ45 SHELL GROUND CONTACT
- SHIELD BOX LEGS
- CONNECTOR LOCATION PINS




**PANEL CUT OUT**
**1:1**
**(CONNECTOR FRONT VIEW)**




**MIN MOUNTING PITCH**
**1:1**




**3D VIEW**
**1:1**

*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 (AII) |
|---|---|---|---|
| 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

| LINEAR | ANGULAR |
|---|---|
| X ± 0.5 | X' ± 1 |
| X.X ± 0.1 | X.X' ± 30' |
| X.X ± 0.05 | X.X'X" ± 15' |

BREAK ALL SHARP EDGES AND REMOVE ALL BURRS

DO NOT SCALE

DIMENSIONS IN MILIMETRES

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| | | | |
|---|---|---|---|
| MATERIAL: REFER SPECIFICATION | DRN: T.N | DATE: 08/10/12 | |
| | CKD: P.M | DATE: 08/10/12 | |
| FINISH: | APP'D: P.M | DATE: 08/10/12 | |
| THIRD ANGLE PROJECTION | SCALE: 3:2 | SIZE: A3 | |

Amphenol

Amphenol Australia Pty.Ltd,
20 Industry Blvd, Carrum Downs
VIC 3201 Australia

| TITLE: | PART No: | REV |
|---|---|---|
| XLRnet CONNECTOR RJ45 RECP CAT5e WITHOUT LED | RJX8FB5HEB | 1 |
| | DRAWING No. 55010837-000 | SHEET 1/1 |