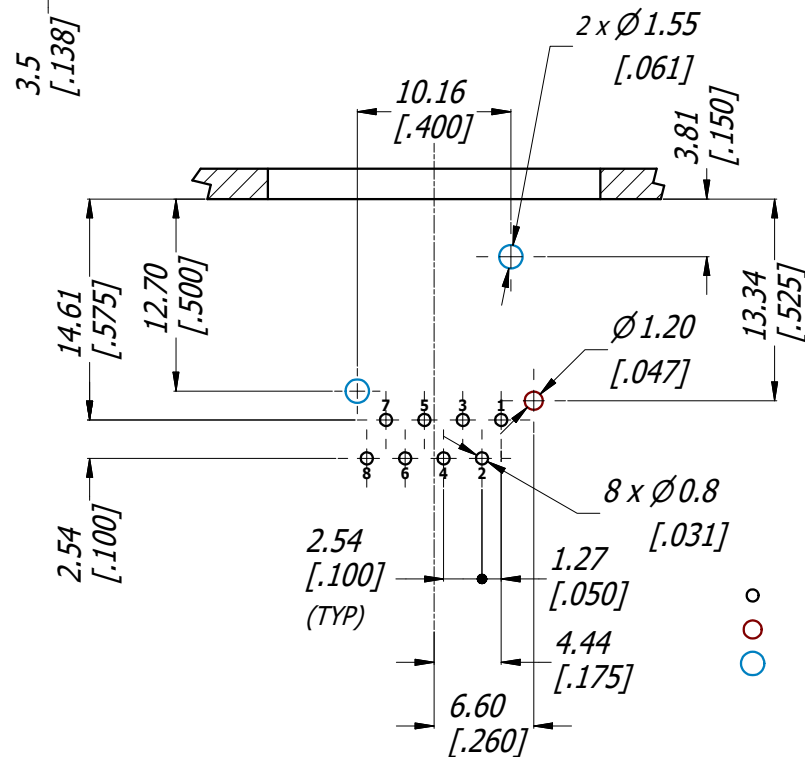
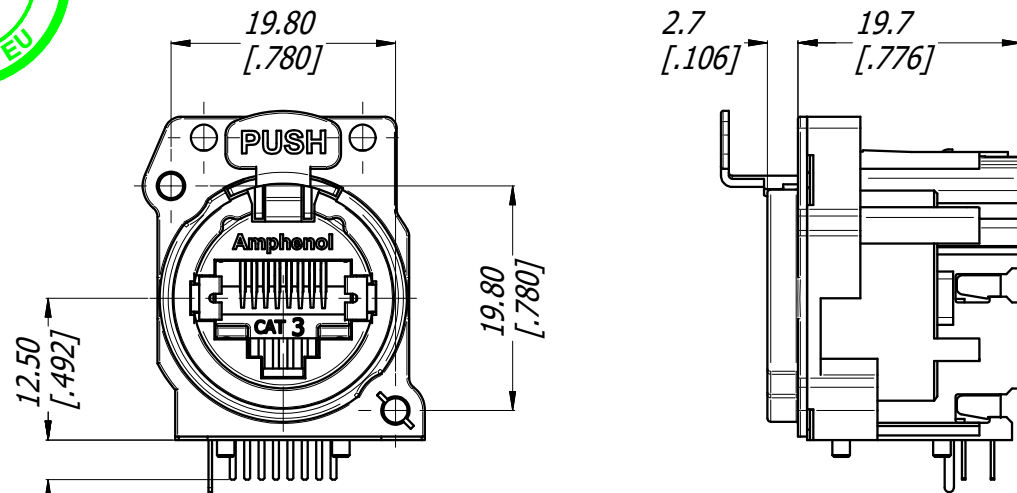


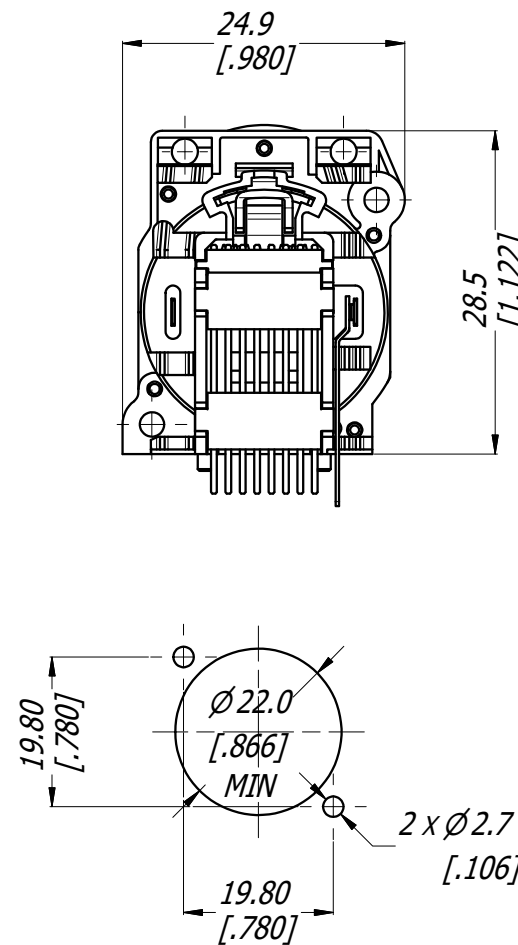


PCB LAYOUT
2:1
(CONNECTOR TOP VIEW)

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}

- RJ45 CONTACTS
- RJ45 SHELL GROUND CONTACT
- CONNECTOR LOCATION PINS



PANEL CUT OUT
1:1
(CONNECTOR FRONT VIEW)

SPECIFICATIONS:

1. MATERIALS:

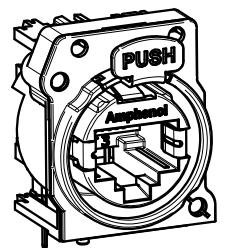
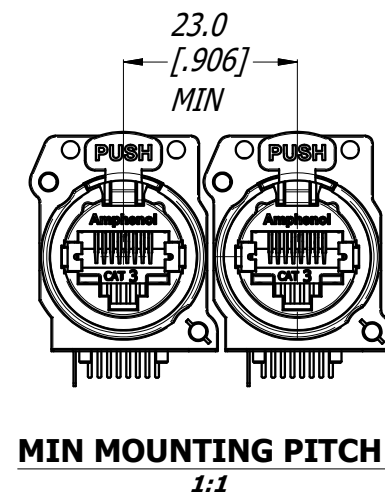
- PLASTIC INSERT & HOUSING: HIGH TEMPERATURE THERMOPLASTIC FLAMMABILITY RATING UL94V-0 DSM STANYL, 30% BLACK
- FRONT SHELL: METAL: ZINC ALLOY ZAMAK 3, NICKEL PLATE (B TYPE) OR PLACTIC (A TYPE).
- CONTACTS: PHOSPHORE BRONZE, 1.27 µm GOLD PLATE ON MATING SURFACES, 1.27 µm NICKEL MIN UNDERPLATE. 3.81 µm MIN MATTE TIN ON CONTACT TAILS.
- LATCH LOCK AND SPRING: SPRING STEEL, NICKEL 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: COMPLIED TO CLASS D PER TIA/EIA-568B OR CAT5e & CAT6 PER TIA/EIA-568-C.2
- PoE+ COMPLIES WITH 802.3at Type 2 (SEE PSE PINOUT ALTERNATIVE TABLE)

TABLE OF PART NUMBERS

PART No.	TRANSMISSION CLASS	FRONT SHELL MATERIAL
RJX8FA3HB	CLASS D	PLASTIC BLACK
RJX8FB3HB	CLASS D	METAL NICKEL PLATED
RJX8FA5HB	CAT5e	PLASTIC BLACK
RJX8FB5HB	CAT5e	METAL NICKEL PLATED
RJX8FA6HB	CAT6	PLASTIC BLACK
RJX8FB6HB	CAT6	METAL NICKEL PLATED



3D VIEW
1:1

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LINEAR	ANGULAR								
X ± 0.5 X.X ± 0.1 X.X ± 0.05	X' ± 1 X.X' ± 30' X.X'X' ± 15'	MATERIAL: REFER SPECIFICATION		DRN: T.N	DATE: 08/10/12	TITLE: XLRnet CONNECTOR RJ45 HORIZONTAL WITHOUT LED & EMI SHIELD		PART No: REFER TO TABLE OF PART NUMBERS	REV 2
BREAK ALL SHARP EDGES AND REMOVE ALL BURRS				CKD: P.M	DATE: 08/10/12			DRAWING No.	SHEET
DO NOT SCALE				APP'D: P.M	DATE: 08/10/12				
DIMENSIONS IN MILIMETRES		 THIRD ANGLE PROJECTION	SCALE: 3:2	SIZE: A3					

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[RJX8FA3HPB](#) [RJX8FA5HB](#) [RJX8FA6HB](#)