

6 5 4 3 2 1

F

E

D

C

B

A

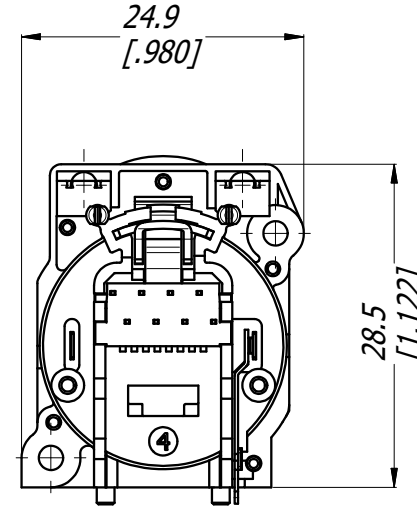
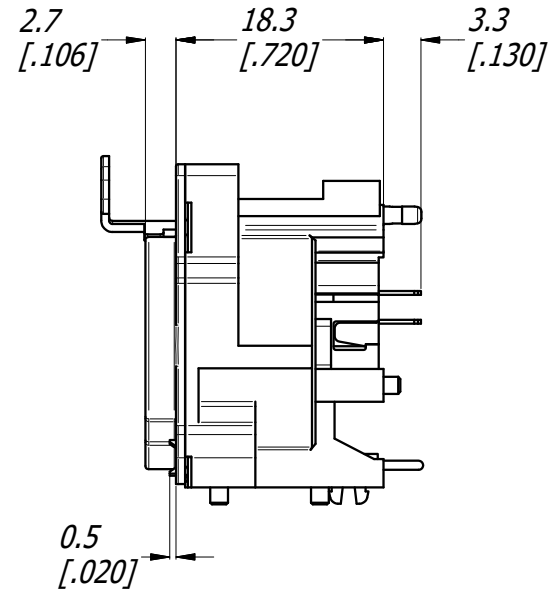
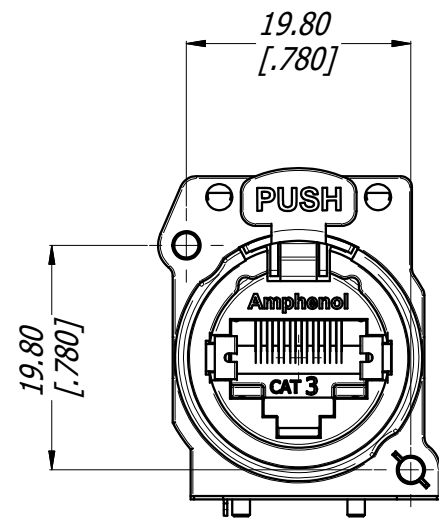
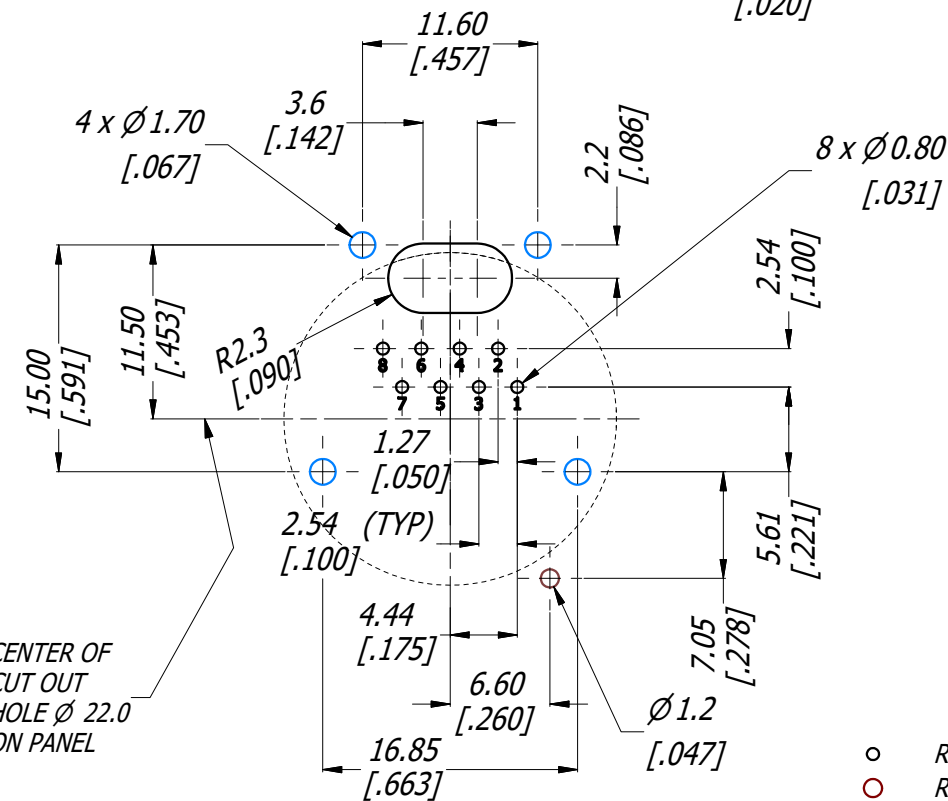
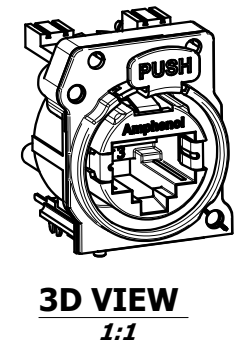
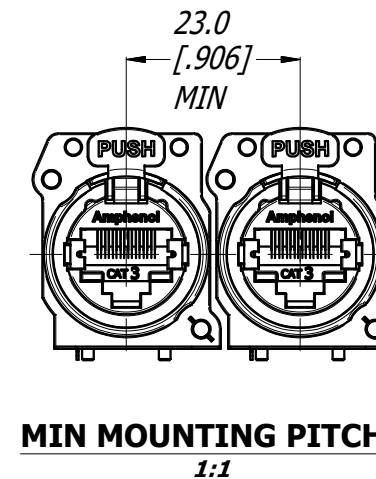
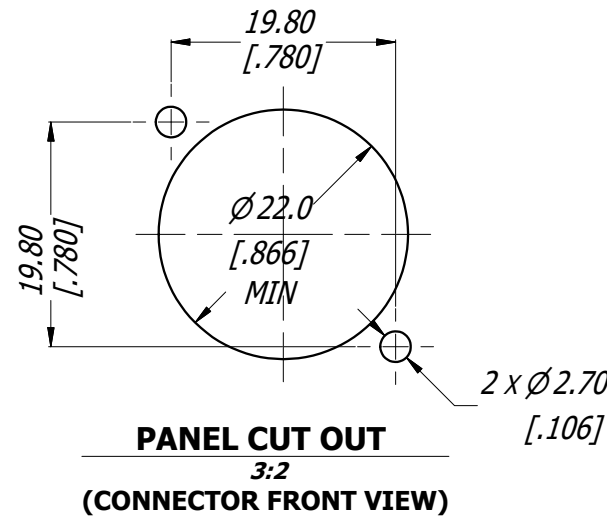


TABLE OF PART NUMBERS

PART No.	TRANSMISSION CLASS	FRONT SHELL MATERIAL
RJX8FA3VB	CLASS D	PLASTIC BLACK
RJX8FB3VB	CLASS D	METAL NICKEL PLATED
RJX8FA5VB	CAT5e	PLASTIC BLACK
RJX8FB5VB	CAT5e	METAL NICKEL PLATED
RJX8FA6VB	CAT6	PLASTIC BLACK
RJX8FB6VB	CAT6	METAL NICKEL PLATED



PCB LAYOUT
2:1
(CONNECTOR REAR VIEW)



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

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 um GOLD PLATE ON MATING SURFACES, 1.27 um NICKEL MIN UNDERPLATE. 3.81 um MIN MATTE TIN ON CONTACT TAILS.

2. ELECTRICAL CHARACTERISTICS:

- LATCH LOCK AND SPRING: SPRING STEEL, NICKEL PLATE.
- RATED VOLTAGE: 125 VAC
- TYPICAL CONTACT RESISTANCE: 20 mOhm
- INSULATION RESISTANCE: >500 Mohm
- DIELECTRIC STRENGTH: 1000 VAC, 60 SECONDS
- TRANSMISSION SPECIFICATION/CLASS: COMPLIES WITH CLASS D PER TIA/EIA 568B OR CAT5e & CAT 6 PER TIA/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		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.				Amphenol		Amphenol Australia Pty.Ltd, 22 Industry Blvd, Carrum Downs VIC 3201 Australia											
LINEAR		ANGULAR		MATERIAL: REFER SPECIFICATION		DRN:		T.N		DATE: 10/02/14		TITLE: XLRnet CONNECTOR RJ45 VERTICAL		PART No: REFER TO TABLE OF PART NUMBERS		REV 1			
X ± 0.5		X' ± 1				CKD:		P.M		DATE: 10/02/14				DRAWING No.		SHEET			
X.X ± 0.1		X.X' ± 30'																	
X.X ± 0.05		X.X' ± 15'																	
BREAK ALL SHARP EDGES AND REMOVE ALL BURRS																			
DO NOT SCALE				FINISH:		APP'D:		P.M		DATE: 10/02/14									
DIMENSIONS IN MILLIMETRES				 THIRD ANGLE PROJECTION		SCALE:		3:2		SIZE:		A3		WITHOUT LED & EMI SHIELD		55010955-000		5/7	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Amphenol:](#)

[RJX8FA6VB](#)