



PANEL CUT OUT
1:1
(CONNECTOR FRONT VIEW)

MIN MOUNTING PITCH
1:1

PCB LAYOUT
2:1
(CONNECTOR TOP VIEW)

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

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}

SPECIFICATIONS:

- 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
- ELECTRICAL CHARACTERISTICS:**
 - RATED VOLTAGE: 125 VAC
 - TYPICAL CONTACT RESISTANCE: 20 mOhm
 - INSULATION RESISTANCE: >500 MOhm
 - DIELECTRIC STRENGTH: 1000 VAC, 60 SECONDS
 - TRANSMISSION SPECIFICATION/CLASS: CLASS D, 10/100 BASE-T
 - PoE+ COMPLIES WITH 802.3at Type 2 (SEE PSE PINOUT ALTERNATIVE TABLE)

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LINEAR	ANGULAR	MATERIAL:	DRN: T.N DATE: 31/10/12
X ± 0.5	X' ± 1	REFER SPECIFICATION	CKD: P.M DATE: 31/10/12
X.X ± 0.1	X.X' ± 30'		APP'D: P.M DATE: 31/10/12
X.X ± 0.05	X.X.X' ± 15'	DO NOT SCALE	FINISH:
BREAK ALL SHARP EDGES AND REMOVE ALL BURRS		THIRD ANGLE PROJECTION	
DIMENSIONS IN MILLIMETRES		SCALE: 3:2	SIZE: A3

Amphenol		Amphenol Australia Pty.Ltd, 20 Industry Blvd, Carrum Downs VIC 3201 Australia	
TITLE: XLRnet CONNECTOR RJ45 RECP CAT3 WITHOUT LED		PART No: RJX8FB3HEB	REV 1
DRAWING No. 55010871-000		SHEET 1/1	

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