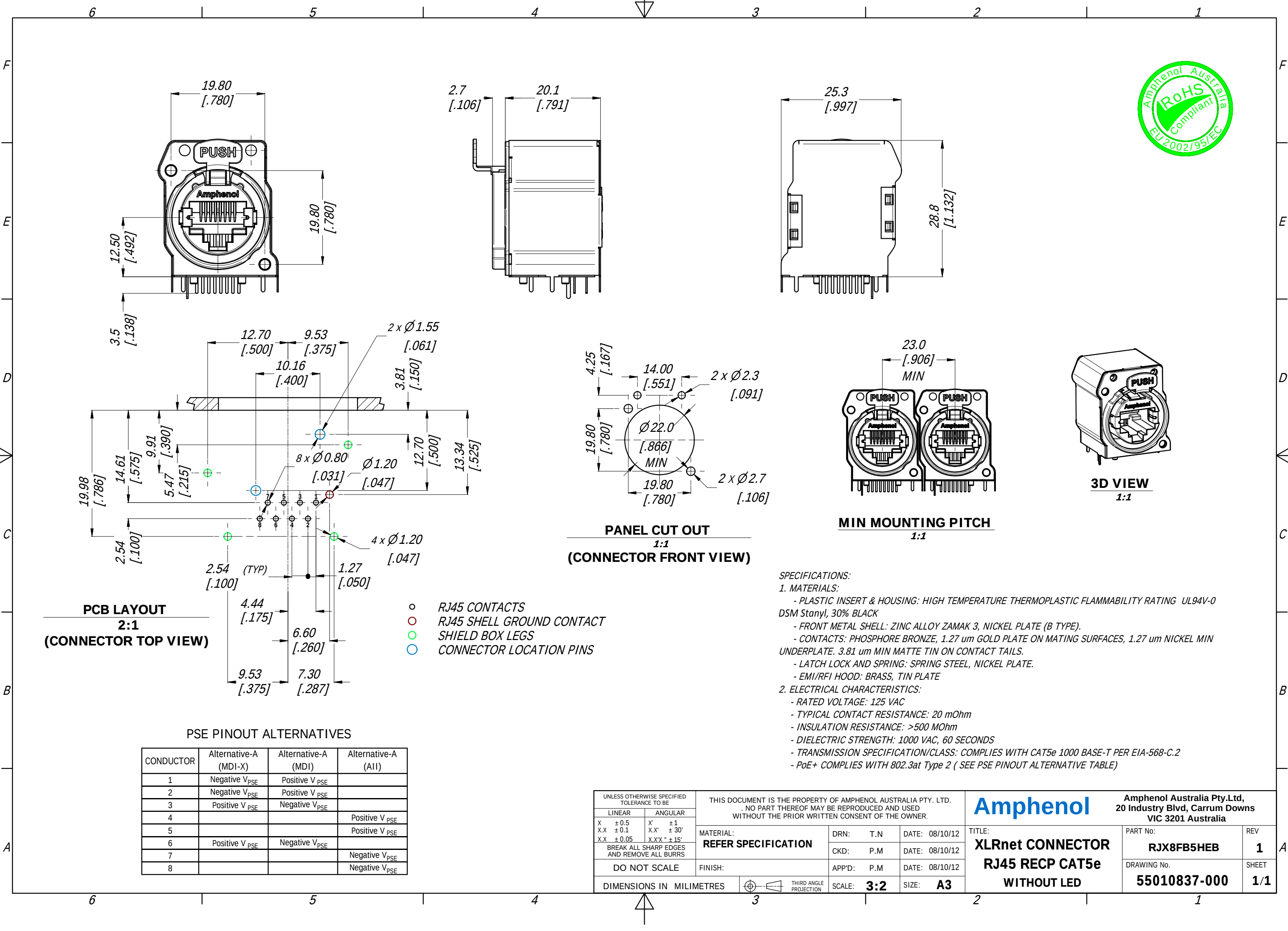




PCB LAYOUT
2:1
(CONNECTOR TOP VIEW)

PANEL CUT OUT
1:1
(CONNECTOR FRONT VIEW)

MIN MOUNTING PITCH
1:1

3D VIEW
1:1

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:

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)

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

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.

MATERIAL:
REFER SPECIFICATION

DO NOT SCALE

DIMENSIONS IN MILLIMETRES



DRN:	T.N	DATE:	08/10/12
CKD:	P.M	DATE:	08/10/12
APP'D:	P.M	DATE:	08/10/12
SCALE:	3:2	SIZE:	A3

Amphenol

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

TITLE:
XLRnet CONNECTOR
RJ45 RECP CAT5e
WITHOUT LED

PART No:
RJX8FB5HEB
DRAWING No.
55010837-000

REV
1
SHEET
1/1