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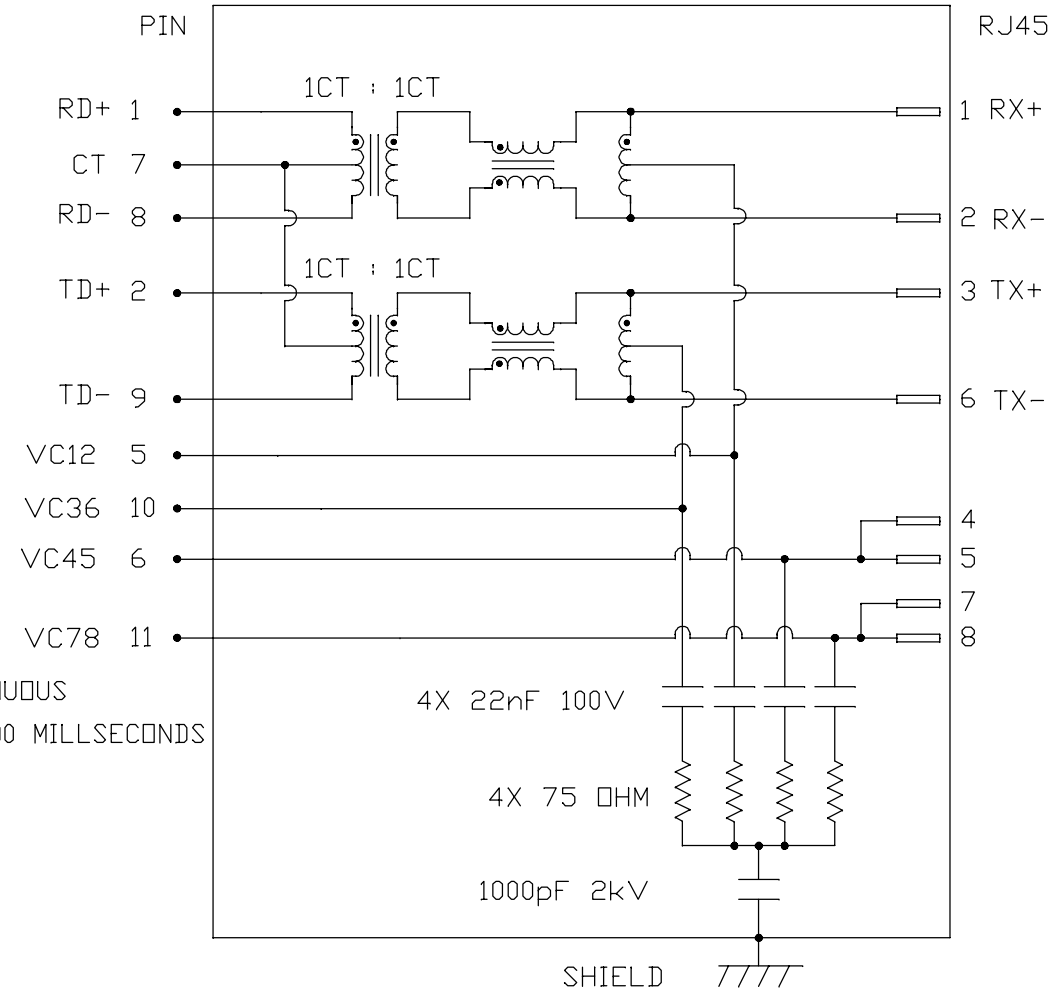
RoHS

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO	1CT : 1CT ±2%
OCL @ 100kHz/100mVRMS	
8mA DC BIAS	350µH MIN.
INSERTION LOSS	
100KHz TO 100MHz	-1.5 dB MAX.
RETURN LOSS (MIN.)	
2MHz-30MHz	-16 dB MIN.
60MHz-80MHz	-10 dB MIN.
CROSS TALK	
100KHz - 100MHz	-30 dB MIN.
HIPOT (ISOLATION VOLTAGE)	2250 VDC
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS	
BALANCED DC LINE CURRENT	350mA MAX. @ 57 VDC CONTINUOUS
	500mA MAX. @ 57 VDC FOR 200 MILLSECONDS
OPERATING TEMPERATURE:	0°C TO +70°C.

SCHEMATIC



REV. : F | PAGE : 2

ORIGINATED BY: CHOW WANCHUNG DATE: 2018-03-24	TITLE: 10/100 MagJack® PoE 0813-1X1T-57-F	PART NO. / DRAWING NO.: 08131X1T57-F	STANDARD DIM. TOL. IN INCH .X .XX .XXX	[ ] METRIC DIM. AS REF. UNIT : INCH [mm] SCALE : N/A SIZE : A4
DRAWN BY: XIE YIMING DATE: 2018-03-24		FILE NAME: 08131X1T57-F_F.DWG		

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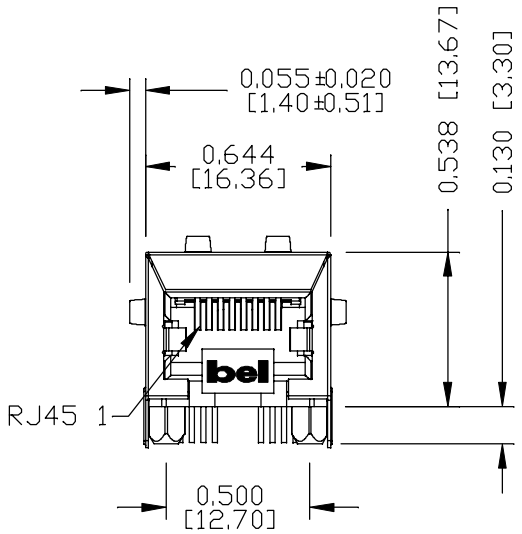
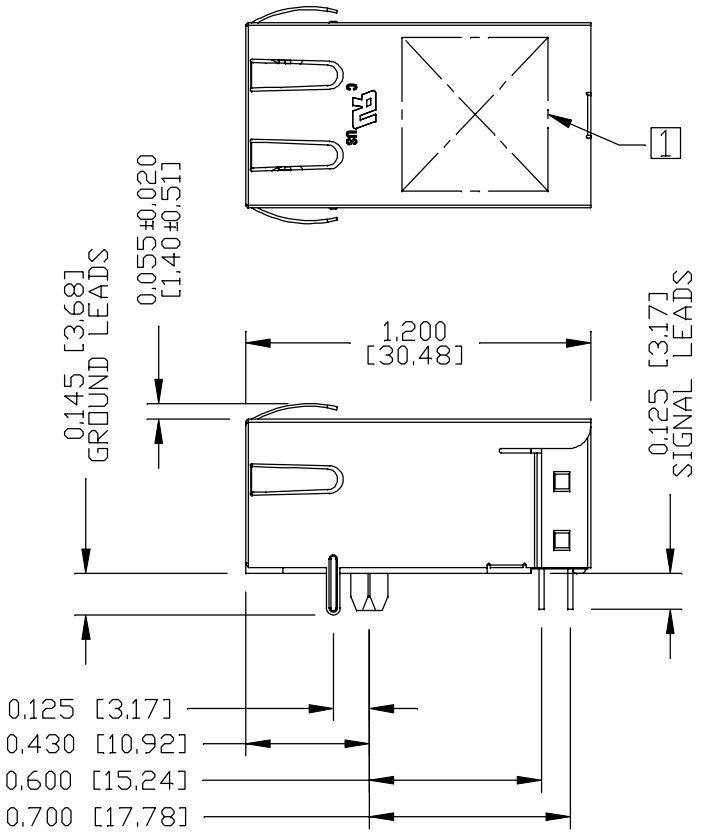
MECHANICAL SPECIFICATION

RoHS





NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT, BLACK
FLAMMABILITY RATING UL 94V-0

CONTACTS: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT, WITH UNDERPLATING OF 50 MICRO-INCH NICKEL.

OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH, 100 MICRO-INCH MIN MATTE TIN. PINS ARE SOLDER DIPPED.

METAL SHIELD: NICKEL PLATED ON COPPER ALLOY, (ALL GROUND LEAD ARE SOLDER DIPPED)

JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

1. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE.

c UL us UL RECOGNIZED - FILE #E196366 AND E169987.

2. THE PRODUCT IS RoHS COMPLIANT.

3. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

REV. : F	PAGE : 3

ORIGINATED BY ANTON LIAO DATE 2018-03-24	TITLE 10/100 MagJack® PoE 0813-1X1T-57-F	PART NO. / DRAWING NO. 08131X1T57-F	STANDARD DIM. TOL. IN INCH .X / .XX / .XXX ±0,010
DRAWN BY JESSE LI DATE 2018-03-24		FILE NAME 08131X1T57-F_F.DWG	[ ] METRIC DIM. AS REF. UNIT : INCH [mm] SCALE : N/A SIZE : A4

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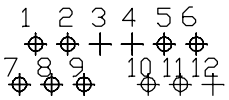
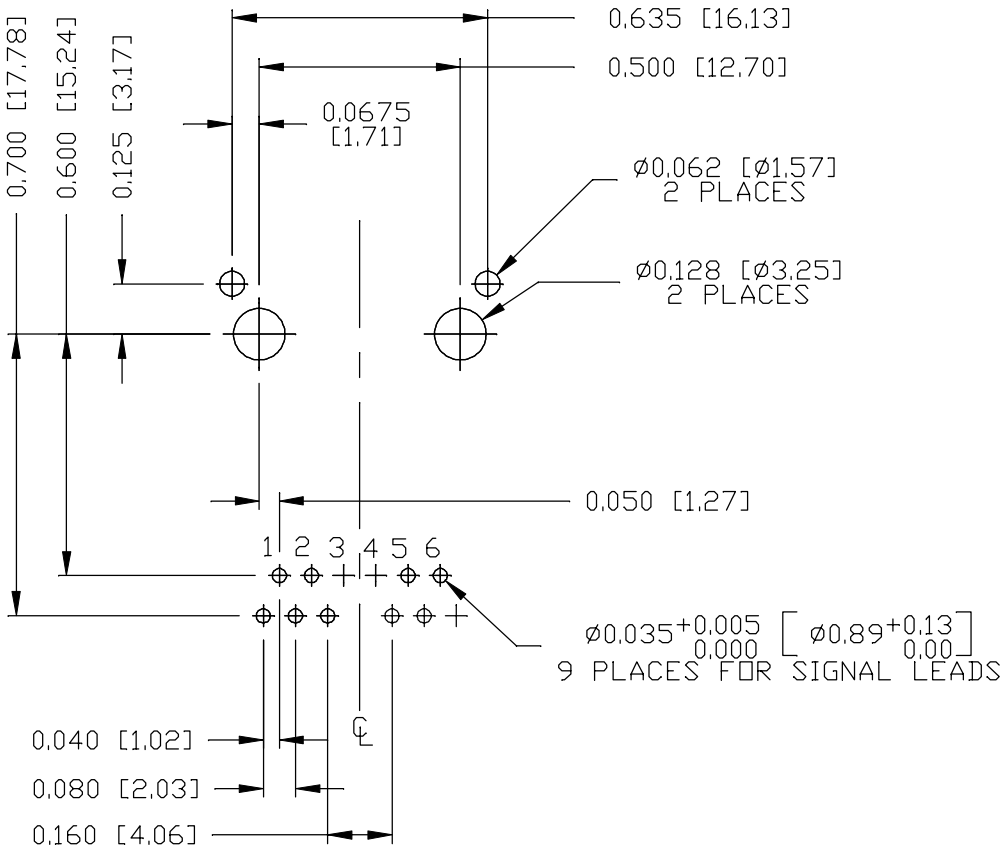
RoHS

RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW





REV. : F | PAGE : 4

ORIGINATED BY ANTON LIAO DATE 2018-03-24	TITLE: 10/100 MagJack® PoE 0813-1X1T-57-F	PART NO. / DRAWING NO. 08131X1T57-F	STANDARD DIM. TOL. IN INCH: .X ; .XX ; .XXX ±0,004
DRAWN BY JESSE LI DATE 2018-03-24		FILE NAME 08131X1T57-F_F.DWG	[ ] METRIC DIM. AS REF. UNIT : INCH [mm] SCALE : N/A SIZE : A4

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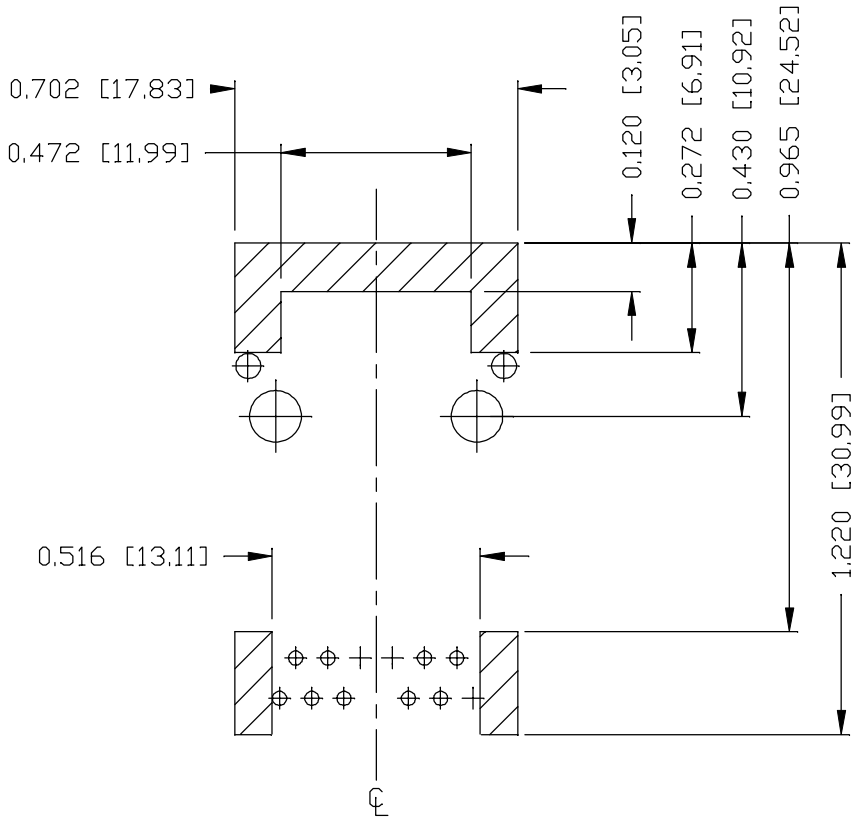

NOTES

THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

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DRAWN BY JESSE LI DATE 2018-03-24		FILE NAME 08131X1T57-F_F.DWG	.X / .XX / .XXX ±0.004	UNIT : INCH [mm] SCALE : N/A SIZE : A4	bel MAGNETIC SOLUTIONS a bel group

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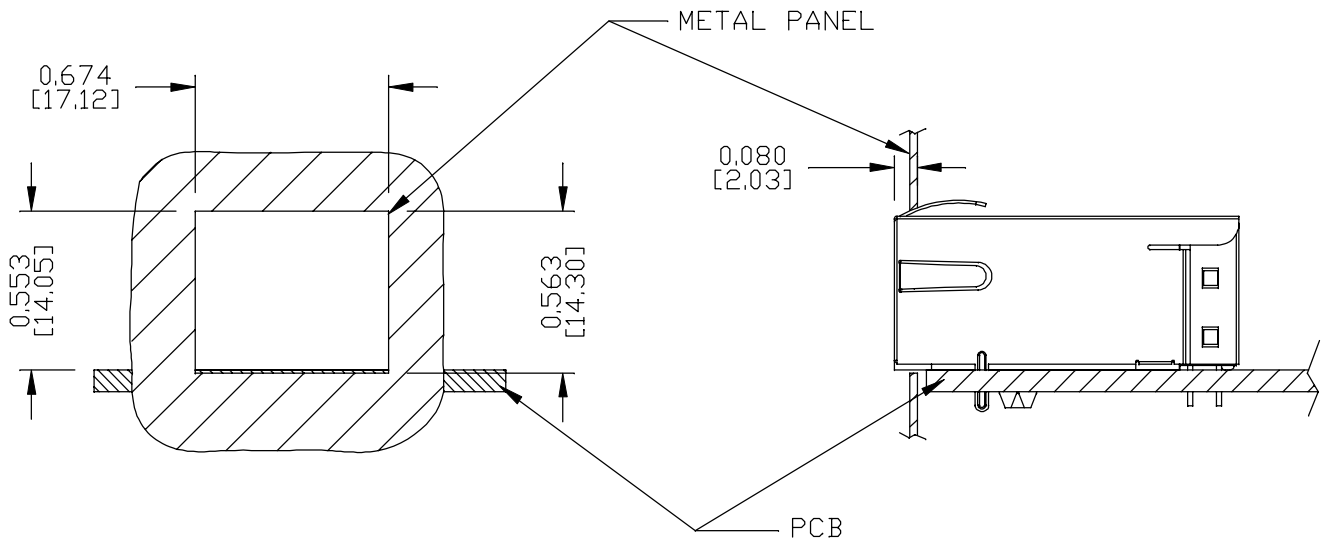
SUGGESTED PANEL OPENING



NOTES:

THE DISTANCE OF PANEL INSIDE SURFACE RELATIVE TO FRONT SURFACE OF PART IS ONLY A SUGGESTION.
IN CASE THIS DISTANCE IS DIFFERENT, THE REQUIRED PANEL OPENING DIMENSIONS CHANGE ACCORDINGLY.

PACKING INFORMATION

PACKING TRAY : 0200-9999-F1(TOP)
0200-9999-F2(BOTTOM)

PACKING QUANTITY : 40 PCS FINISHED GOODS PER TRAY
10 TRAYS (400 PCS FINISHED GOODS) PER CARTON BOX

NOTER: CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKIING TRAY INSIDE CARTON BOX
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

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ORIGINATED BY ANTON LIAO DATE 2018-03-24	TITLE: 10/100 MagJack® PoE 0813-1X1T-57-F	PART NO. / DRAWING NO.: 08131X1T57-F	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX ±0.005
DRAWN BY JESSE LI DATE 2018-03-24		FILE NAME: 08131X1T57-F_F.DWG	[ ] METRIC DIM. AS REF. UNIT : INCH [mm] SCALE : N/A SIZE : A4

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