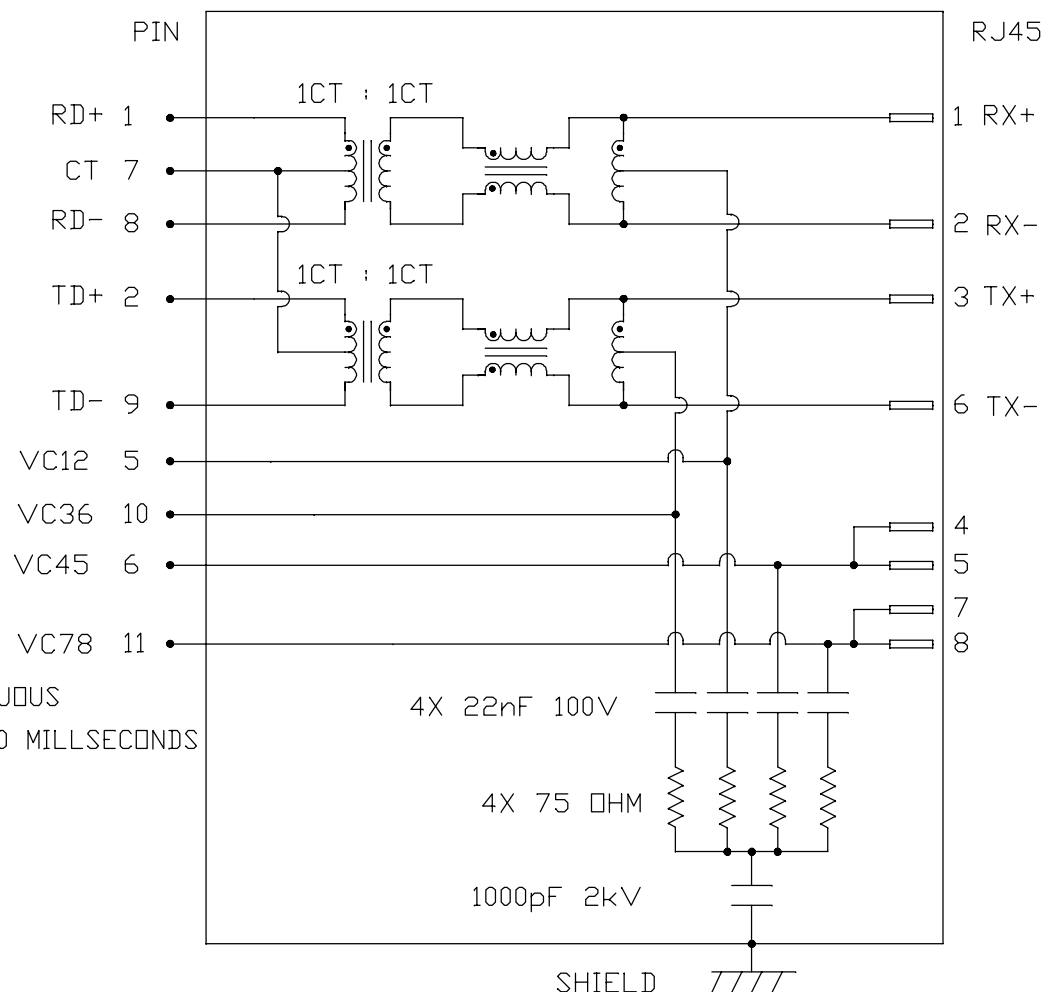




ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO	1CT : 1CT ±2%
QCL @ 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) 100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS	2250 VDC
BALANCED DC LINE CURRENT	350mA MAX. @ 57 VDC CONTINUOUS 500mA MAX. @ 57 VDC FOR 200 MILLISECONDS
OPERATING TEMPERATURE:	0°C TO +70°C.

SCHEMATIC



ORIGINATED BY
CHOW WANCHUNG
DATE 2018-03-24

DRAWN BY
XIE YIMING
DATE 2018-03-24

TITLE
10/100 MagJack®
PoE
0813-1X1T-57-F

PART NO. / DRAWING NO.
08131X1T57-F

FILE NAME
08131X1T57-F_F.DWG

STANDARD DIM.
TOL. IN INCH

.X
.XX
.XXX

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]
SCALE : N/A
SIZE : A4

REV. : F

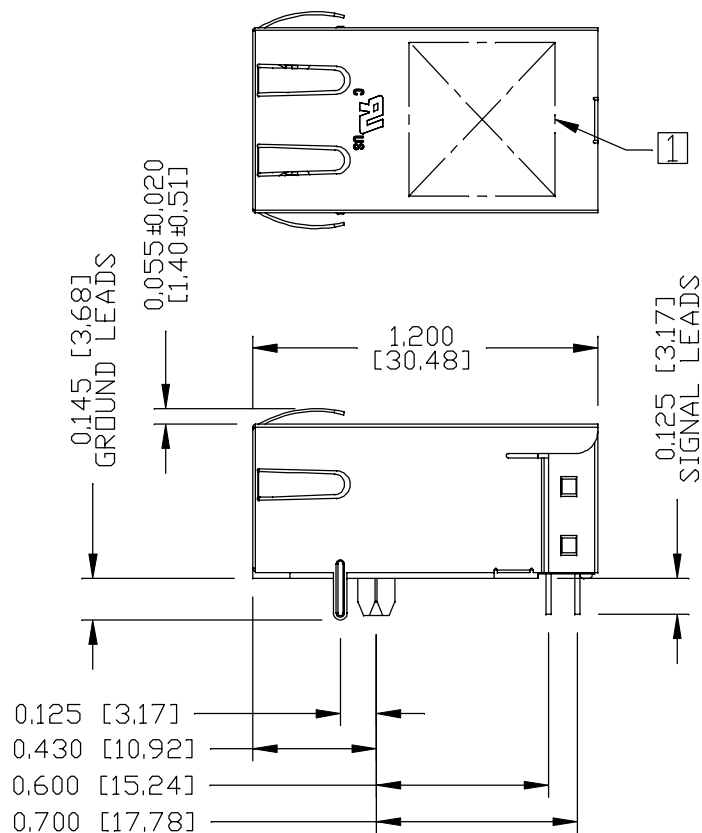
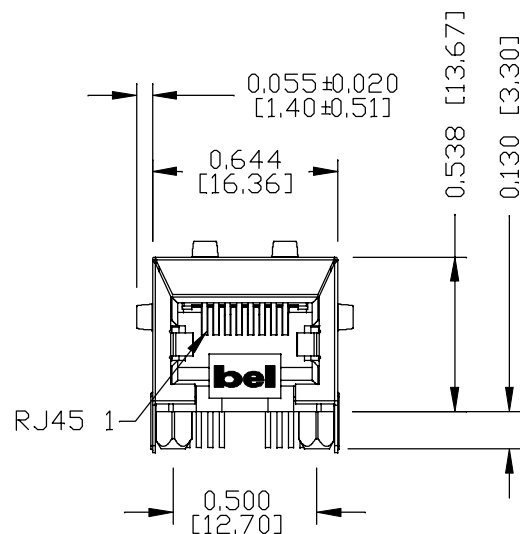
PAGE : 2



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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.

ORIGINATED BY
 ANTON LIAO
 DATE 2018-03-24
 DRAWN BY
 JESSE LI
 DATE 2018-03-24

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 0813-1X1T-57-F

PART NO. / DRAWING NO.
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STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.
.X		UNIT : INCH [mm]
.XX		SCALE : N/A
.XXX	±0.010	SIZE : A4

REV. : F PAGE : 3



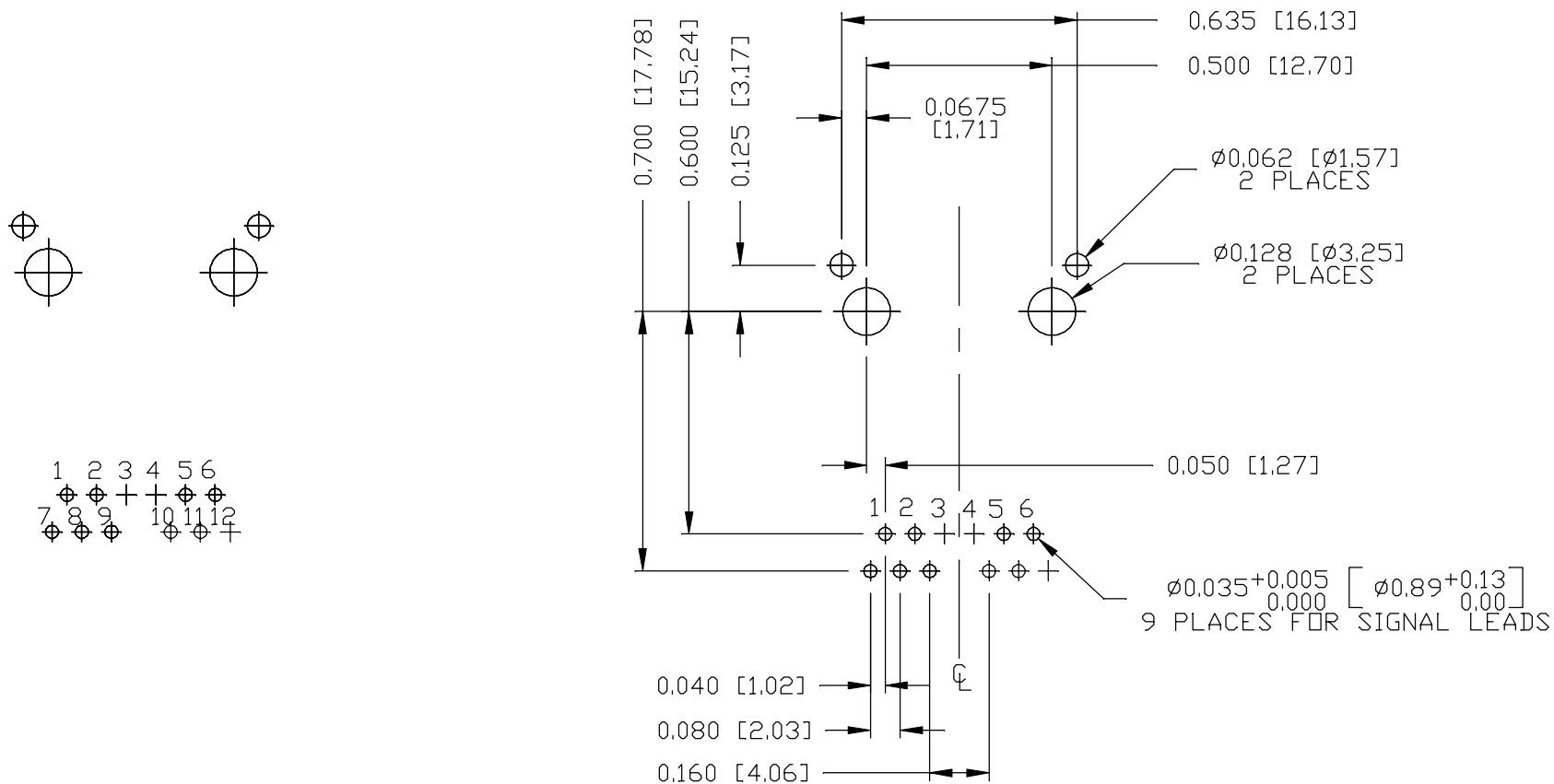
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RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



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STANDARD DIM.
TOL. IN INCH

.X
.XX
.XXX

[] METRIC DIM.
AS REF.

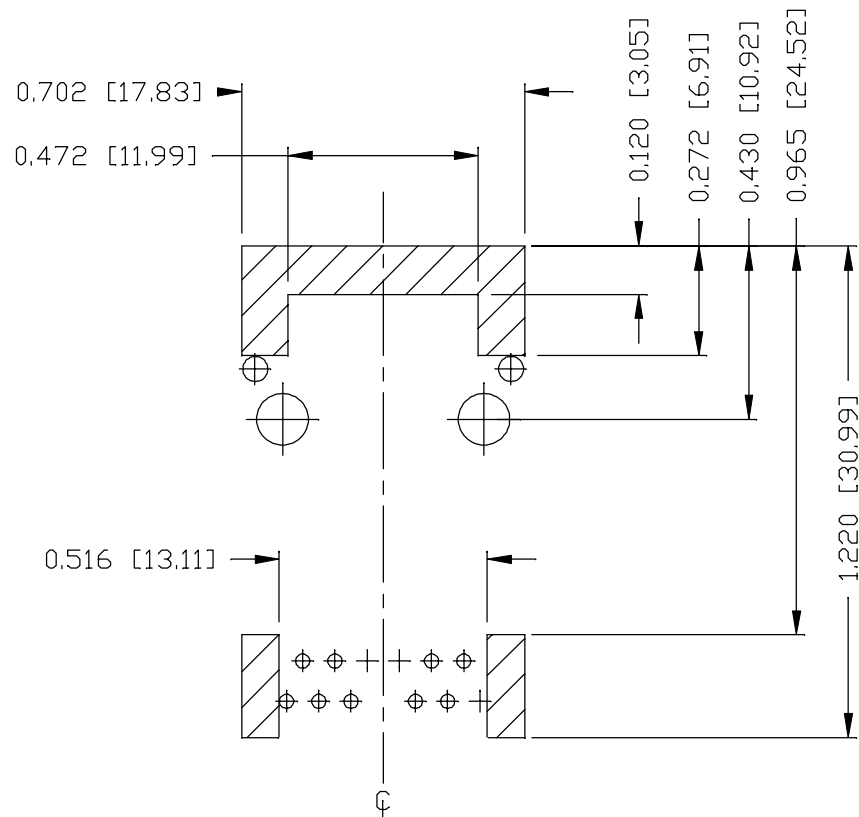
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SCALE : N/A
SIZE : A4

REV. : F

PAGE : 4



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NOTES

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

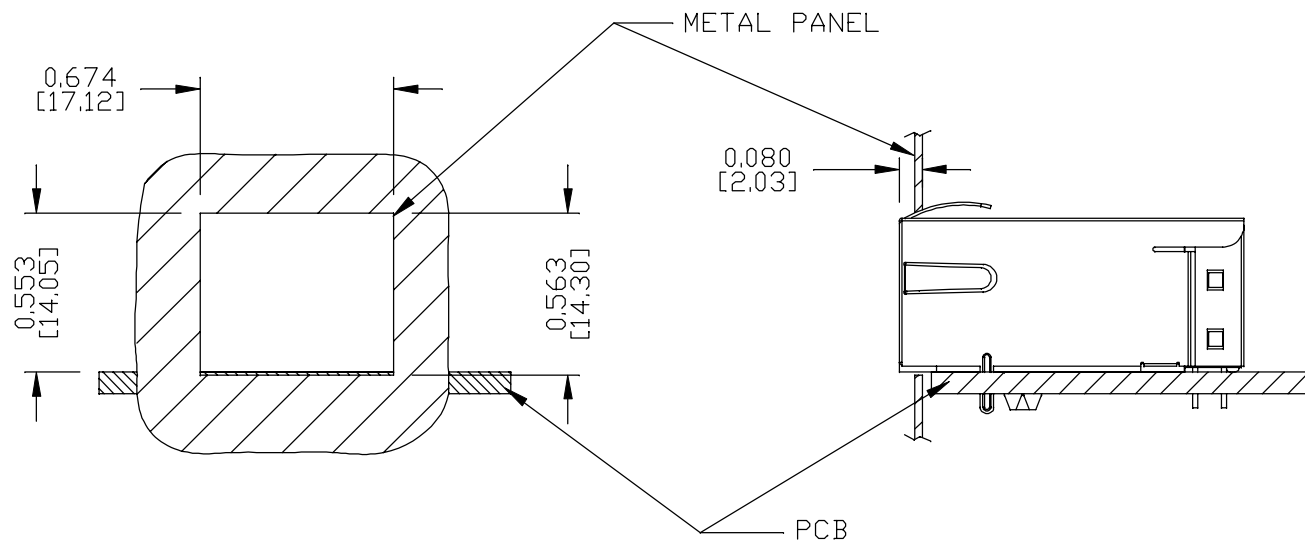
ORIGINATED BY ANTON LIAO DATE 2018-03-24		TITLE 10/100 MagJack® PoE 0813-1X1T-57-F	PART NO. / DRAWING NO. 08131X1T57-F		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.		 bel MAGNETIC SOLUTIONS a bel group
DRAWN BY JESSE LI DATE 2018-03-24			FILE NAME 08131X1T57-F_F.DWG		.X		UNIT : INCH [mm]		
			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

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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 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 PACKING TRAY INSIDE CARTON BOX
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

REV. : F PAGE : 6

ORIGINATED BY
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DATE 2018-03-24
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DATE 2018-03-24

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.X		UNIT : INCH [mm]
.XX		SCALE : N/A
.XXX	±0.005	SIZE : A4

