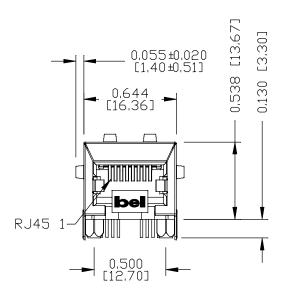
SCHEMATIC ELECTRICAL CHARACTERISTICS @ 25°C RJ45 PIN TURNS RATIO 1CT : 1CT ±2% 1CT : 1CT DCL @ 100kHz/100mVRMS RD+ 1 • -----|1 RX+ 8mA DC BIAS 350µH MIN. CT 7 • INSERTION LOSS RD- 8 • ⇒|2 RX-100KHz T□ 100MHz -1.5 dB MAX. 1CT : 1CT TD+ 2 • **⇒**|3 TX+ RETURN LOSS (MIN,) 2MHz-30MHz -16 dB MIN. TD- 9 •-**─**|6 TX-60MHz-80MHz -10 dB MIN. VC12 5 ← CROSS TALK 100KHz - 100MHz -30 dB MIN. VC36 10 **←** HIPOT (ISOLATION VOLTAGE) 2250 VDC VC45 6 ← 100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802,3 ISOLATION REQUIREMENTS VC78 11 •− 8 BALANCED DC LINE CURRENT 350mA MAX, @ 57 VDC CONTINUOUS 4X 22nF 100V 500mA MAX, @ 57 VDC FOR 200 MILLSECONDS OPERATING TEMPERATURE: 0°C TD +70°C. 4X 75 □HM 1000pF 2kV SHIELD 7777 REV. : PAGE: 2 ORIGINATED BY TITLE PART NO. / DRAWING NO. STANDARD DIM. [] METRIC DIM. CHOW WANCHUNG TOL. IN INCH AS REF. 08131X1T57-F DATE 2018-03-24 10/100 MagJack® UNIT : INCH [mm] PoE DRAWN BY FILE NAME 0813-1X1T-57-F SCALE: N/A XIE YIMING XX. a bel group 08131X1T57-F_F,DWG **DATE** 2018-03-24 $| \bigoplus - \bigcirc |$ SIZE : A4 DC002(2)120214 This document is electronically generated. This is a controlled copy if used internally

RoHS

MECHANICAL SPECIFICATION



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.

TIN-COATED COPPER WIRE, DIA 0,018 INCH. **DUTPUT PINS:**

100 MICRO-INCH MIN MATTE TIN, PINS ARE SOLDER DIPPED.

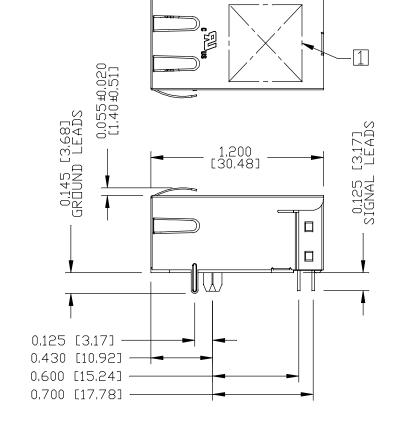
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.

(ALL GROUND LEAD ARE SOLDER DIPPED)

JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

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

c Mis UL RECOGNIZED - FILE #E196366 AND E169987.



- 2. THE PRODUCT IS ROHS COMPLIANT.
- 3. THE PART IS RECOMMENDED FOR WAVE SOI DERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

REV. :

PAGE:

3

SOLUTIONS

RoHS

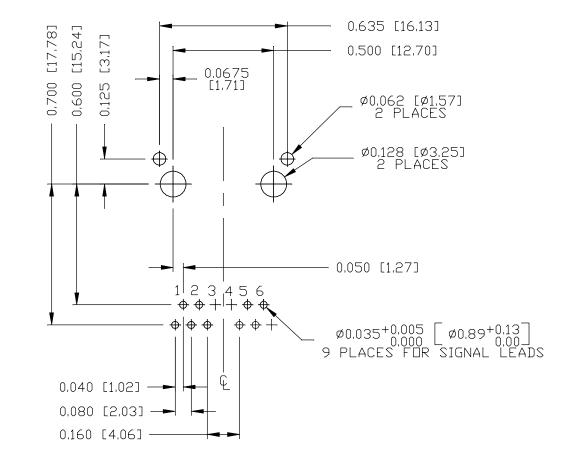
ORIGINATED BY	TITLE	PART NO. / DRAWING NO.	STAND.	ARD DIM.	[] METRIC DIM.	
ANTON LIAO Date 2018-03-24	10/100 MagJack®	08131X1T57-F	TOL.	IN INCH	AS REF.	
22	PoE		.x		UNIT : INCH [mm]	
DRAWN BY JESSE LI	0813-1X1T-57-F	FILE NAME	.XX		SCALE : N/A	
DATE 2018-03-24		08131X1T57-F_F,DWG	.XXX	±0,010	SIZE : A4	

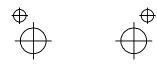
a bel group

RoHS

RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW





TITLE

ORIGINATED BY
ANTON LIAO
DATE 2018-03-24

DRAWN BY

JESSE LI DATE 2018-03-24 10/100 MagJack® PoE 0813-1X1T-57-F **PART NO. / DRAWING NO.** 08131X1T57-F

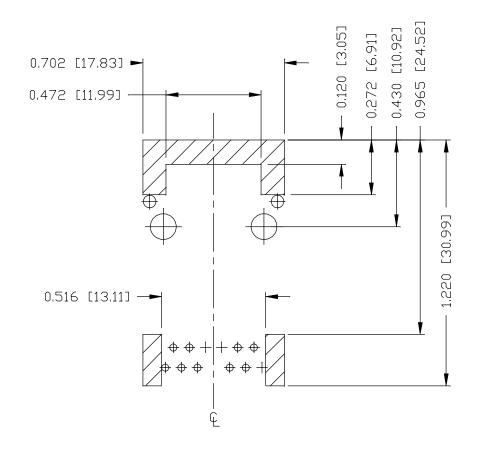
FILE NAME08131X1T57-F_F.DWG

STANDARD DIM. [] METRIC DIM.
TOL. IN INCH AS REF.

X UNIT : INCH [mm]







NOTES

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

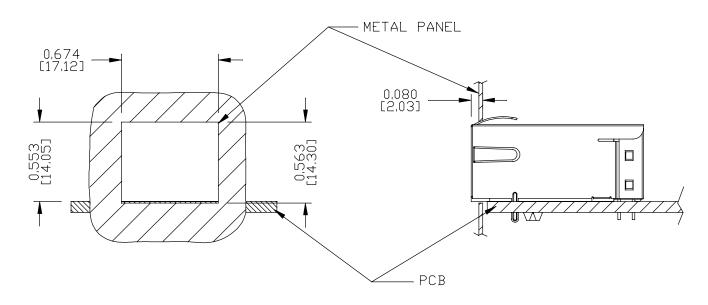
ORIGINATED BY	TITLE	PART NO. / DRAWING NO.	STAND	ARD DIM.	[] METRIC DIM.
ANTON LIAO DATE 2018-03-24	10/100 MagJack®	08131X1T57-F		IN INCH	AS REF.
DATE 2018-03-24	PoF		v		UNIT : INCH [mm]
DRAWN BY	·	FILE NAME	$\cdot \Lambda$		entr : men [mm]
JESSE LI	0813-1X1T-57-F		.XX		SCALE : N/A
DATE 2018-03-24		08131X1T57-F_F.DWG	.XXX	±0,004	SIZE : A4

REV. : F PAGE : 5

MAGNETIC SOLUTIONS
a bel group

RoHS

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 PACKLING TRAY INSIDE CARTON BOX

(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

						R	
ORIGINATED BY	TITLE	PART NO. / DRAWING NO.	STAND	ARD DIM.	[] METRIC DIM.		
ANTON LIAO	10/100 MagJack®	08131X1T57-F	TOL. IN INCH		AS REF.		
DATE 2018-03-24	PoE		.x		UNIT : INCH [mm]		
DRAWN BY JESSE LI	0813-1X1T-57-F	FILE NAME	.xx		SCALE : N/A		
DATE 2018-03-24		08131X1T57-F_F.DWG	.XXX	±0,005	⊕ ← SIZE : A4		
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