

THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

RoHS



**ELECTRICAL CHARACTERISTICS @ 25°C**

**URNS RATIO**

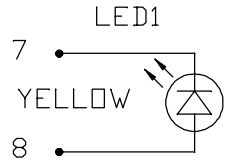
TX	1CT : 1
RX	1CT : 1
QCL @ 100kHz/100mVRMS	350µH MIN.
8mA DC BIAS	
INS. LOSS	
1MHZ TO 100MHZ	-1.0 dB MAX
RET. LOSS (MIN)	
1MHZ-30MHZ	-18 dB
30MHZ-60MHZ	-18+20LOG(F/30MHZ) dB
60MHZ-80MHZ	-12 dB
CROSS TALK (TX - RX)	
500kHz - 100 MHz	-35 dB MIN
CM TO CM REJ	
100kHz - 100 MHz	-30 dB MIN
CM TO DM REJ	
100kHz - 100 MHz	-40 dB MIN

HIPOT (Isolation Voltage): 1500 Vrms  
 100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

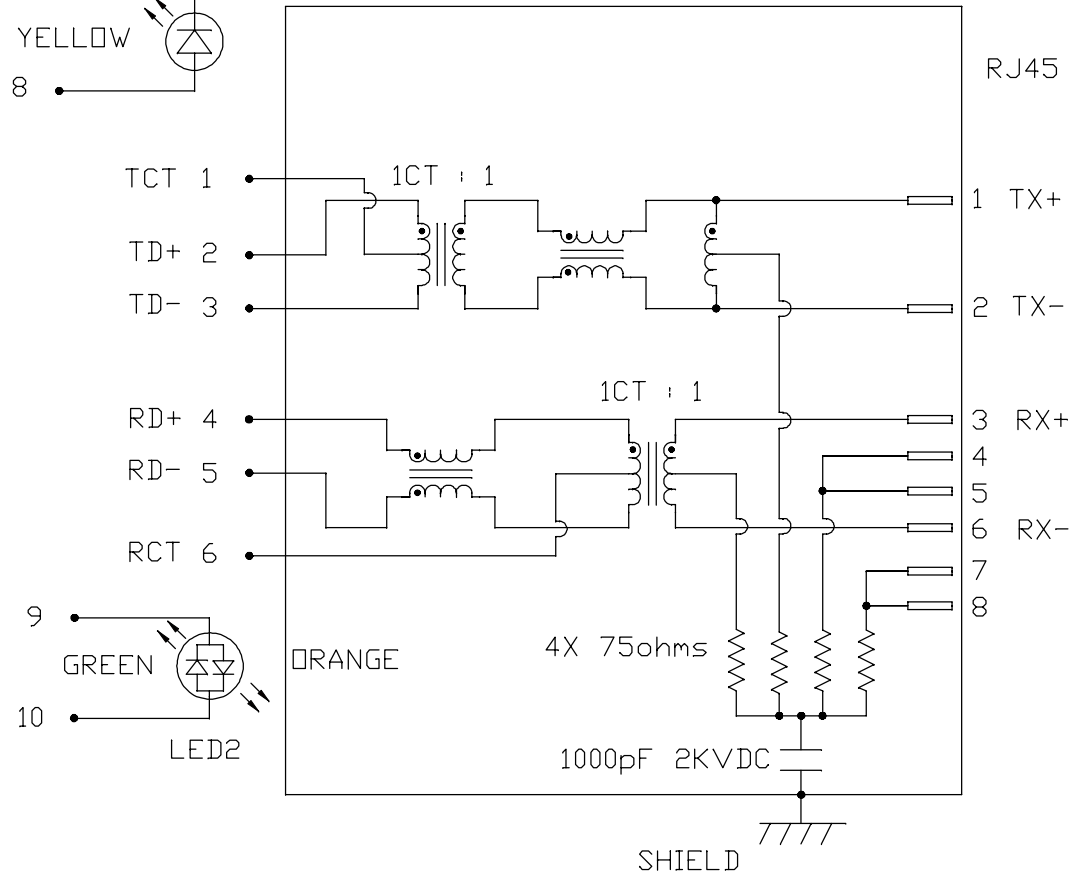
LED 1			
VF (FORWARD VOLTAGE)	IF=20mA	YELLOW	2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	YELLOW	590nm TYP.
LED 2			
VF (FORWARD VOLTAGE)	IF=20mA	ORANGE	2.0V TYP.
		GREEN	2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	ORANGE	605nm TYP.
		GREEN	570nm TYP.

OPERATING TEMPERATURE: 0°C TO 70°C.

LED1 POLARITY			LED2 POLARITY		
PIN 7	PIN 8	COLOR	PIN 9	PIN 10	COLOR
-	+	YELLOW	+	-	ORANGE
/	/	/	-	+	GREEN



**SCHEMATIC**



ORIGINATED BY CHOW WANGCHUNG DATE 2018-12-17
DRAWN BY XIE YIMING DATE 2018-12-17

TITLE  MagJack® (CM Termination) 08B0-1X1T-03-F
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PART NO. / DRAWING NO. 08B01X1T03-F
FILE NAME 08B01X1T03-F_D.DWG

STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.
.X	UNIT : INCH [mm]
.XX	SCALE : N/A
.XXX	SIZE : A4

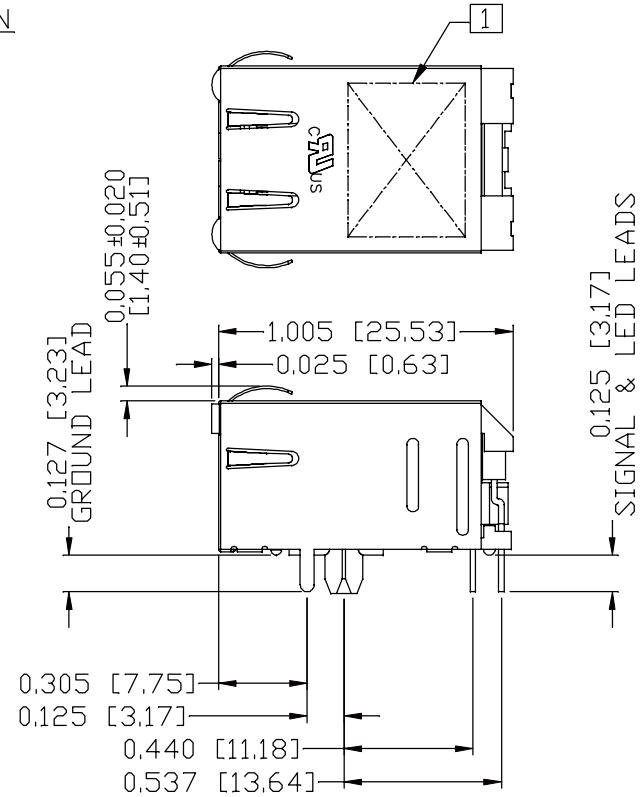
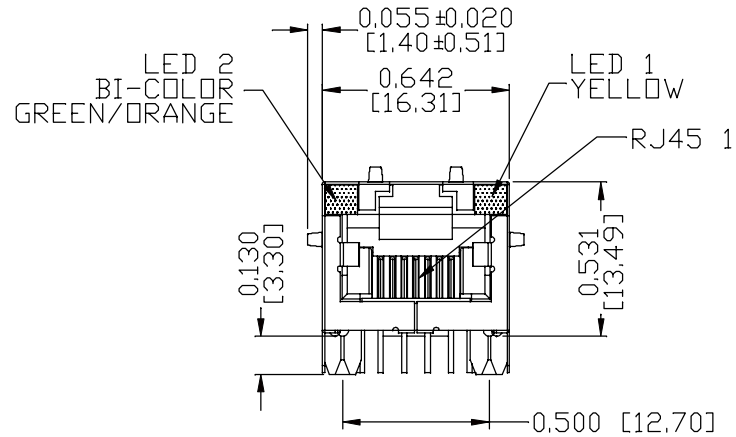
REV. : D	PAGE : 2
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MECHANICAL SPECIFICATION

RoHS



NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PBT, BLACK  
FLAMMABILITY RATING UL 94V-0
- CONTACTS PLATING: 15 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
- PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.  
100 MICRO-INCH MIN MATTE TIN.  
PINS ARE SOLDER DIPPED.
- METAL SHIELD: PRE-PLATED NICKEL ON COPPER ALLOY.  
(ALL GROUND LEADS ARE SOLDER DIPPED)

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

- 2. THE PRODUCT IS RoHS COMPLIANT.
- 3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
- 4. THE AXIAL RETENTION FORCE OF RJ PORT IS 10 LBS MINIMUM.
- 5. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

UL RECOGNIZED - FILE #E196366 AND E169987.

REV. : D      PAGE : 3

ORIGINATED BY  
LI QUANKUN  
DATE 2018-12-17  
DRAWN BY  
LV YONGDONG  
DATE 2018-12-17

TITLE  
MagJack®  
(CM Termination)  
08B0-1X1T-03-F

PART NO. / DRAWING NO.  
08B01X1T03-F  
FILE NAME  
08B01X1T03-F\_D.DWG

STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.
.X	UNIT : INCH [mm]
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.XXX	SIZE : A4

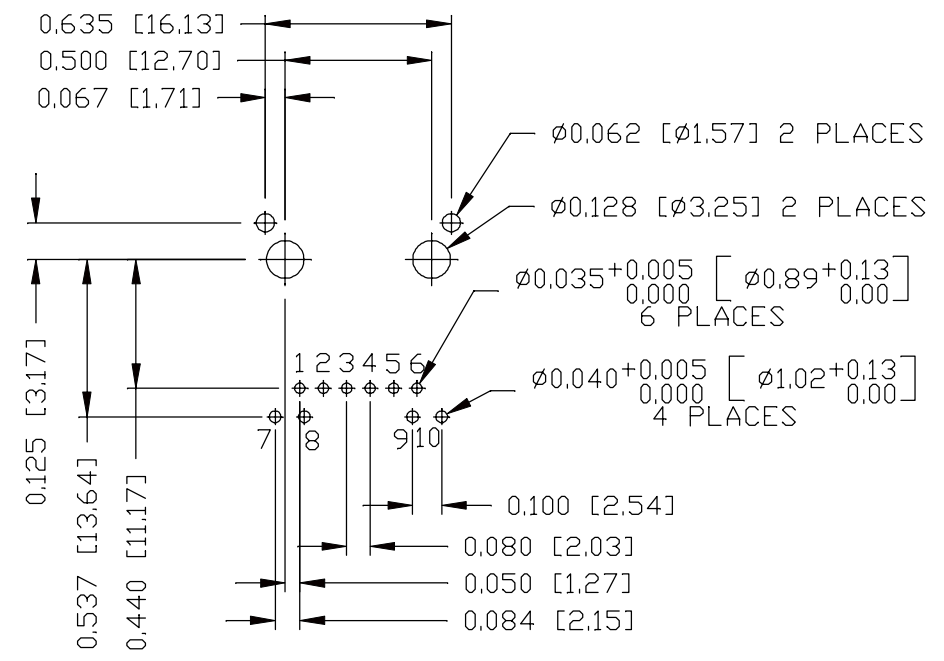
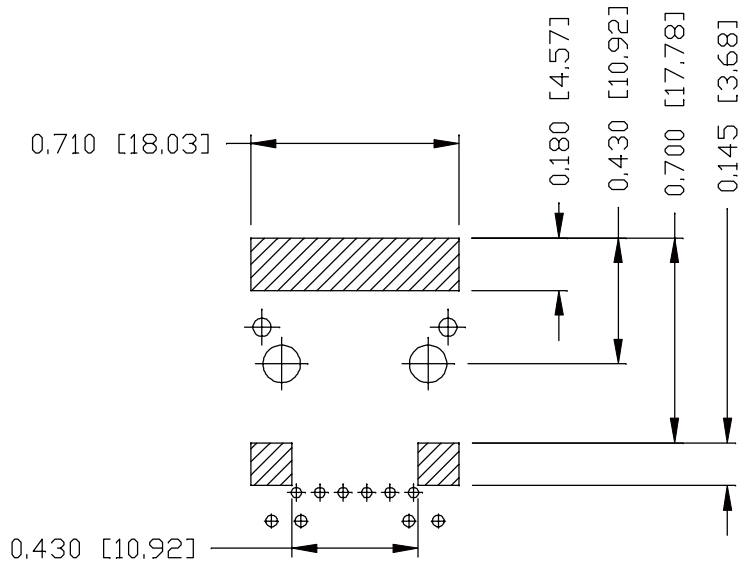


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RECOMMENDED PCB FOOTPRINT  
COMPONENT SIDE VIEW



NOTES:

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

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(CM Termination)  
08B0-1X1T-03-F

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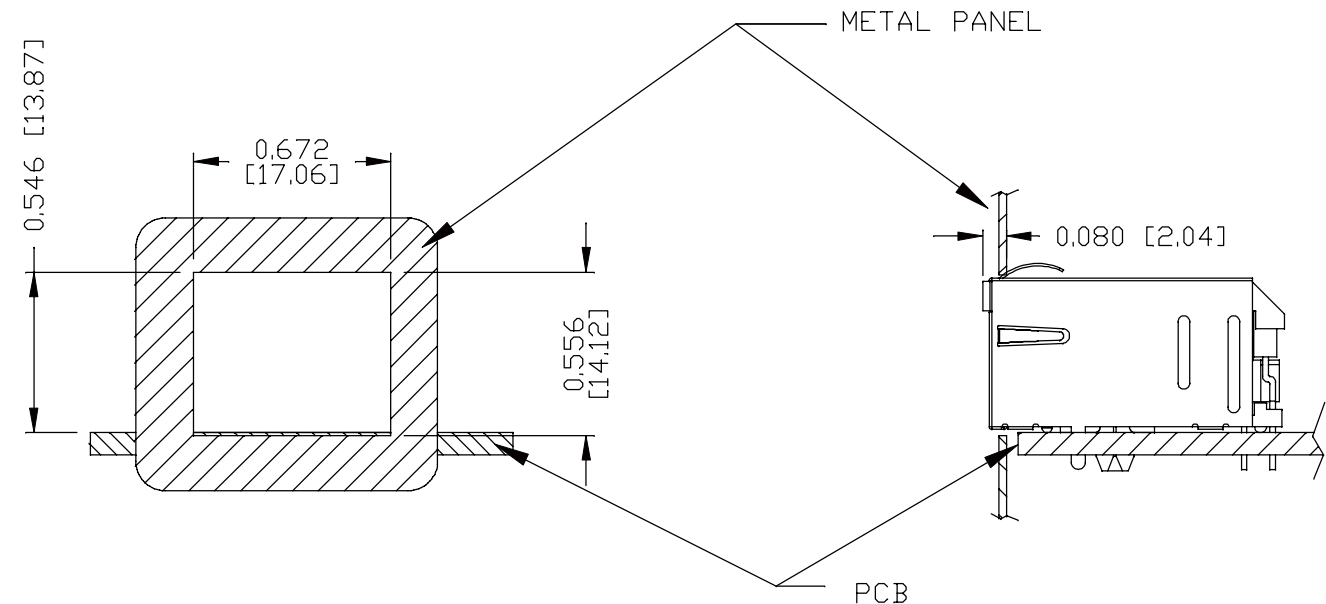
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SUGGESTED PANEL OPENING



NOTE:

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-D4(TOP)  
0200-9999-D5(BOTTOM)

PACKING QUANTITY : 60 PCS FINISHED GOODS PER TRAY  
11 TRAYS (660 PCS FINISHED GOODS) PER CARTON BOX

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

REV. : D	PAGE : 5
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ORIGINATED BY LI QUANKUN DATE 2018-12-17 DRAWN BY LV YONGDONG DATE 2018-12-17	TITLE  MagJack® (CM Termination) 08B0-1X1T-03-F	PART NO. / DRAWING NO. 08B01X1T03-F	STANDARD DIM. TOL. IN INCH .X	[ ] METRIC DIM. AS REF.
		FILE NAME 08B01X1T03-F_D.DWG	UNIT : INCH [mm] SCALE : N/A	SIZE : A4
		±0.005		

