THE INFORMATION CONTAINED HEREIN IS CONSIDERED LED1 POLARITY LED2 POLARITY RoHS "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE COLOR PIN 10 PIN 7 PIN 8 PIN 9 COLOR SCHEMATIC WRITTEN APPROVAL OF BEL FUSE INC. YELLOW DRANGE FLECTRICAL CHARACTERISTICS @ 25°C + GREEN TURNS RATIO ΤX 1CT : 1 1CT : 1 DCL @ 100kHz/100mVRMS RJ45 LED1 8mA DC BIAS 350 MH MIN. INS. LOSS 1MHz T□ 100MHz -1.0 dB MAX RET, LOSS (MIN) 1MHz-30MHz -18 dB -18+20LDG(F/30MHz) dB 30MHz-60MHz 1CT : 1-12 dB 60MHz-80MHz 1 TX+ CROSS TALK (TX - RX) 500kHz-1MHz -70 dB MIN ₩. TD+ 2 10 MHz -50 dB MIN 30 MHz -45 dB MIN 50 MHz -40 dB MIN TD-3 2 TX-100 MHz -35 dB MIN CM TO CM REJ 1CT : 1100kHz-1MHz -70 dB MIN RD+ 4 ◆ 3 RX+ 10 MHz -47 dB MIN 30 MHz -42 dB MIN  $\bullet$ 4 RD-5 60 MHz -37 dB MIN 100 MHz -30 dB MIN 6 RX-CM TO DM REJ RCT 6 100kHz-1MHz -70 dB MIN 10 MHz -60 dB MIN 8 30 MHz -50 dB MIN GREEN 60 MHz -45 dB MIN **TRANGE** 4X 750HMS 100 MHz -40 dB MIN 10 • HIPOT (Isolation Voltage): 1500 Vrms 100% OF PRODUCTION TESTED TO COMPLY WITH LED2 IEEE 802.3 ISOLATION REQUIREMENTS. 1000pF 2KV VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP. YELLOW 590nm TYP. AD (DOMINANT WAVELENGTH) IF=20mA LED 2 VF (FORWARD VOLTAGE) IF=20mA DRANGE 2.0V TYP. SHIELD GREEN 2.2V TYP. DRANGE 605nm TYP AD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP. DPERATING TEMPERATURE: -40°C TO +85°C. 2 REV. : PAGE: ORIGINATED BY TITLE PART NO. / DRAWING NO. STANDARD DIM. [ ] METRIC DIM. CHOW WANCHUNG AS REF. TOL. IN INCH MagJack® 08B01X1T36-F DATE 2018-03-18 **MAGNETIC** 

FILE NAME

08B01X1T36-F E.DWG

DRAWN BY

XIE YIMING

DATE 2018-03-18

(4 Cores, MDIX, CM Termination)

08B0-1X1T-36-F

.XX

UNIT: INCH [mm]

SIZE : A4

SCALE : N/A

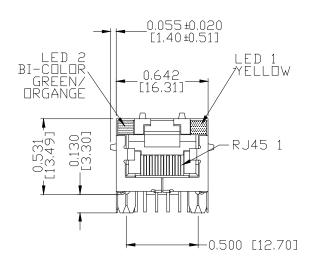
SOLUTIONS

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## MECHANICAL SPECIFICATION





55±0,020 10±0,511 **-**1.005 [25.53]- $\mathbb{N}_{4}$ [3.17 LED **-**0,025 [0,64] <del>-1</del>0,250 [6,35] ഗ≪  $0.305 [7.75] \rightarrow$ 0.125 [3.18] 0.565 [14.35]-0.662 [16.81]

5. THE PART IS RECOMMENDED FOR WAVE SOLDERING.

260°C MAX AND 10 SECONDS MAX.

THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS

NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT, BLACK

TITLE

TIN-COATED COPPER WIRE, DIA 0.018 INCH. PINS:

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

METAL SHIELD: PRE-PLATED NICKEL ON COPPER ALLOY.

- 2. THE PRODUCT IS ROHS COMPLIANT.
- 3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS. PART 68 SUBPART F.

PART NO. / DRAWING NO. [ ] METRIC DIM. STANDARD DIM. AS REF. TOL. IN INCH 08B01X1T36-F UNIT : INCH [mm] FILE NAME SCALE : N/A .XX 08B01X1T36-F\_E.DWG ⊕ - | SIZE : A4

3 REV. : PAGE: a bel group

DC002(2)120214

DRAWN BY

JESSE LI

ORIGINATED BY

**DATE** 2018-03-18

**DATE** 2018-03-18

ΑΝΤΠΝ ΙΙΑΠ

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FLAMMABILITY RATING UL 94V-0

CONTACTS PLATING: 15 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT

(ALL GROUND LEADS ARE SOLDER DIPPED)

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

MagJack®

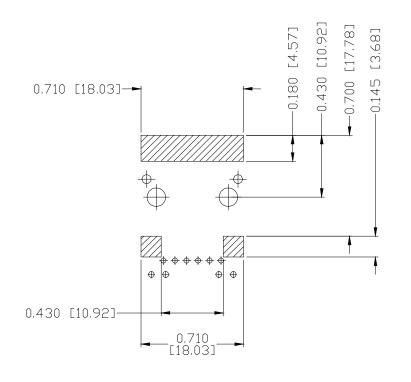
(4 Cores, MDIX, CM Termination)

08B0-1X1T-36-F

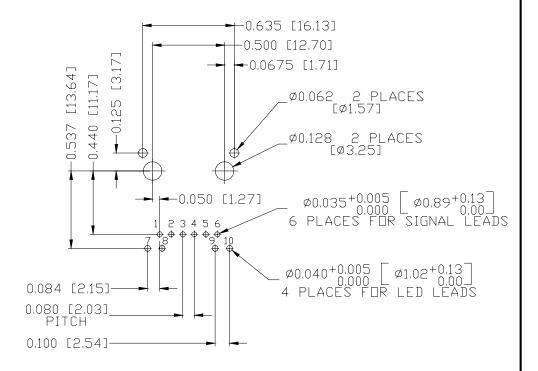
\*\* UL RECOGNIZED - FILE #E196366 AND E169987.

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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.

						Ľ
ORIGINATED BY	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[ ] METRIC DIM.	
ANTON LIAO	MagJack® (4 Cores, MDIX, CM Termination) 08B0-1X1T-36-F	08B01X1T36-F	TOL. IN INCH AS REF.			
DATE 2018-03-18			.X		UNIT : INCH [mm]	l
DRAWN BY JESSE LI		FILE NAME  08B01X1T36-F_E.DWG	.XX		SCALE : N/A	1
DATE 2018-03-18			.XXX	±0.004	SIZE : A4	1
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REV. : E PAGE : 4

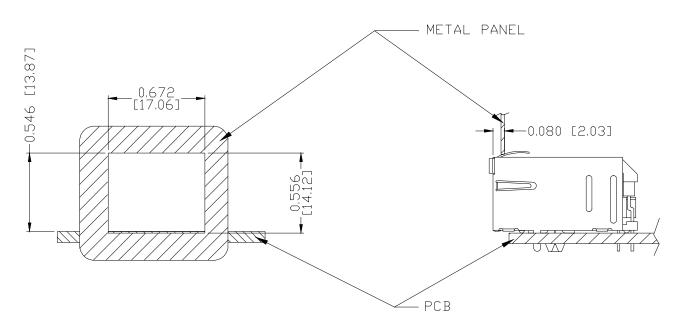
MAGNETIC SOLUTIONS
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#### SUGGESTED PANEL OPENING



#### 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)

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ORIGINATED BY	TITLE  MagJack®  (4 Cores, MDIX, CM Termination)	PART NO. / DRAWING NO.	STANDA	ARD DIM.	[ ] METRIC DIM.	Τ			
ANTON LIAO		08B01X1T36-F	TOL. IN INCH		AS REF.				
<b>DATE</b> 2018-03-18			x		UNIT : INCH [mm]	1			
DRAWN BY	08B0-1X1T-36-F	FILE NAME	-21			1			
JESSE LI	0000, 1711, 20, 1	08B01X1T36-F E.DWG	.XX		SCALE : N/A	1			
<b>DATE</b> 2018-03-18		08B01X113P-L _F'DMG	.xxx	±0.005	⊕ - SIZE : A4				



# **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bel:

08B0-1X1T-36-F