

THE INFORMATION CONTAINED HEREIN IS CONSIDERED
"PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE
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WRITTEN APPROVAL OF BEL FUSE INC.

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

RoHS

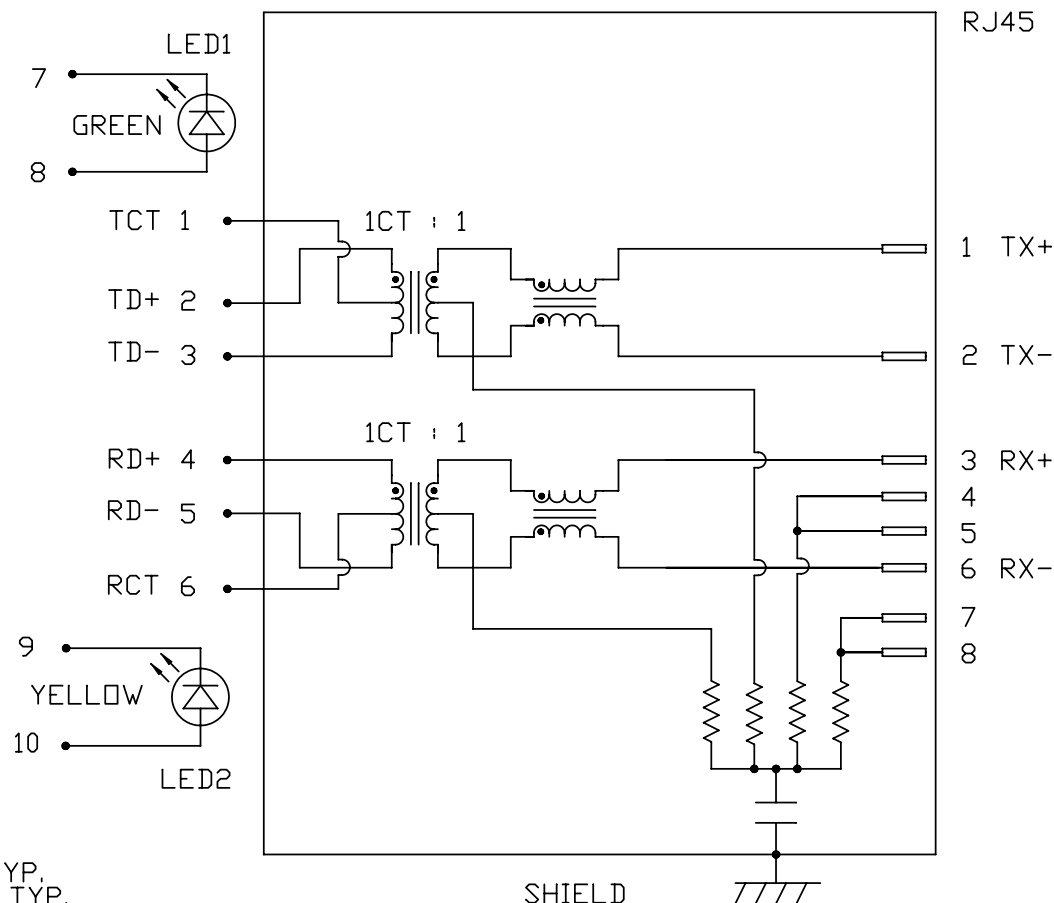


ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX	1CT : 1
RX	1CT : 1
OCCL @ 100kHz/100mVRMS	350µH MIN.
8mA DC BIAS	
INS. LOSS	-1.0 dB MAX
1MHz TO 100MHz	
RET. LOSS (MIN)	
1MHz-30MHz	-18 dB
30MHz-60MHz	-18+20LOG(F/30MHz) dB
60MHz-80MHz	-12 dB
CROSS TALK (TX - RX)	
500kHz-1MHz	-70 dB MIN
10 MHz	-50 dB MIN
30 MHz	-45 dB MIN
50 MHz	-40 dB MIN
100 MHz	-35 dB MIN
CM TO CM REJ	
100kHz-1MHz	-70 dB MIN
10 MHz	-47 dB MIN
30 MHz	-42 dB MIN
60 MHz	-37 dB MIN
100 MHz	-30 dB MIN
CM TO DM REJ	
100kHz-1MHz	-70 dB MIN
10 MHz	-60 dB MIN
30 MHz	-50 dB MIN
60 MHz	-45 dB MIN
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 GREEN 2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA GREEN 565nm TYP.
LED 2	
VF (FORWARD VOLTAGE)	IF=20mA YELLOW 2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA YELLOW 590nm TYP.

SCHEMATIC



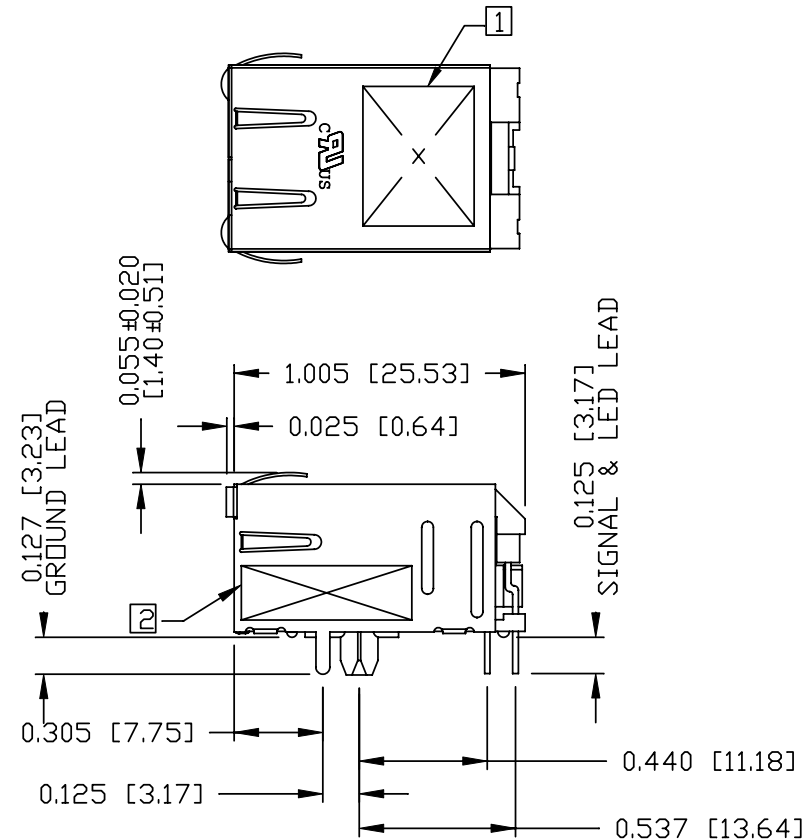
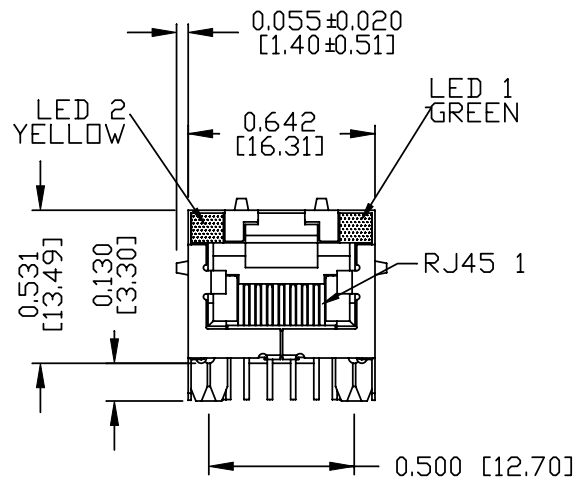
ORIGINATED BY		TITLE MagJack® (4 Cores, MDIX, CM Termination) 08B0-1D1T-06-F PATENTED	PART NO. / DRAWING NO. 08B01D1T06-F		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
CHOW WANCHUNG			FILE NAME 08B01D1T06-F_C.DWG	.X		UNIT : INCH [mm]		REV. : C	
DATE 2012-07-09				.XX		SCALE : N/A		SIZE : A4	
DRAWN BY TAN QIGUANG				.XXX				PAGE : 2	

bel
COMPONENTS FOR A
CONNECTED
PLANET

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MECHANICAL SPECIFICATION

RoHS



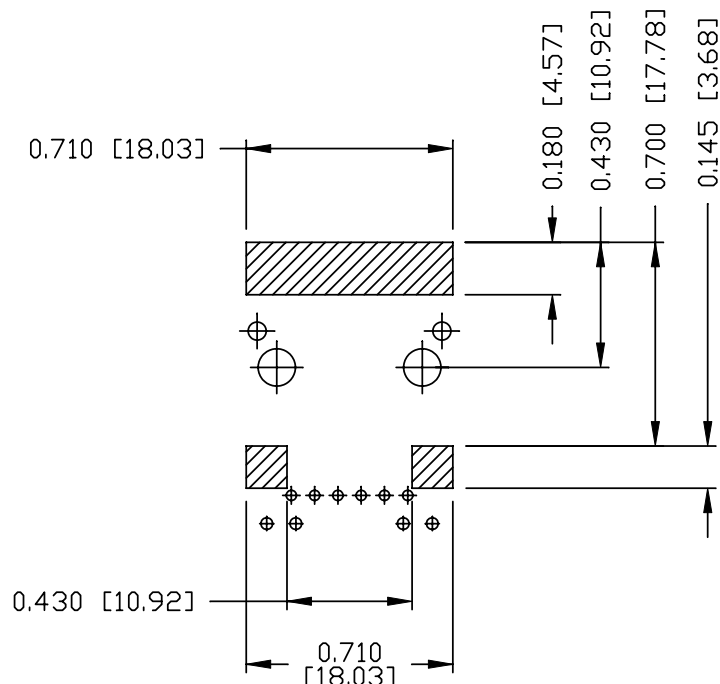
NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
- CONTACTS PLATING: 15 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
- PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
- METAL SHIELD: PRE-PLATED NICKEL ON COPPER ALLOY.
1. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER AND DATE CODE.
2. "PATENTED" MARKING.

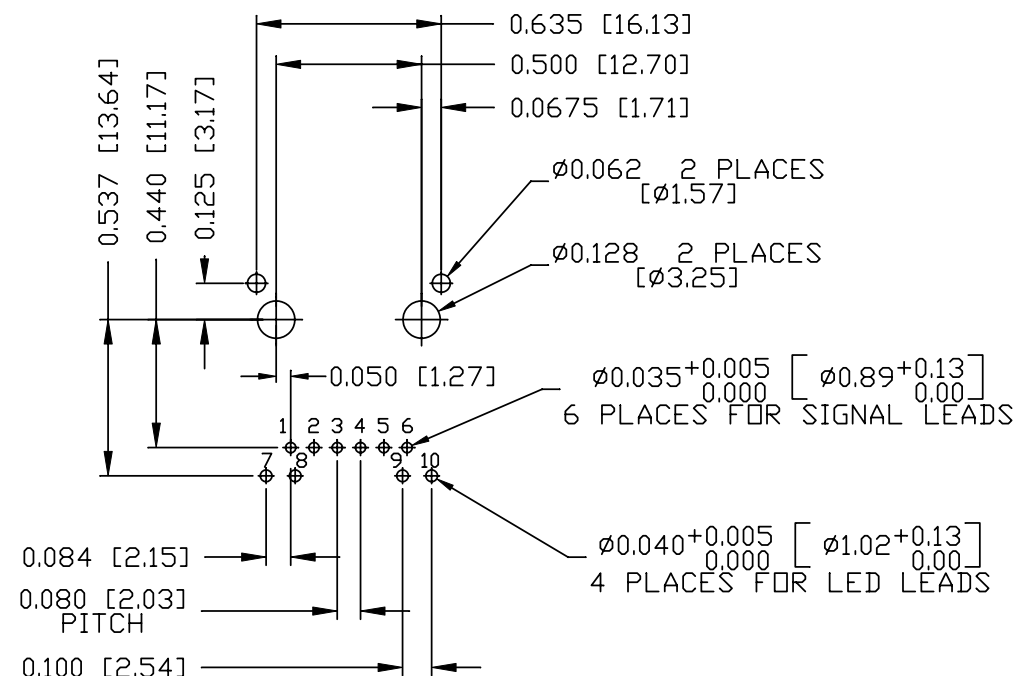
c  UL RECOGNIZED - FILE #E196366 AND E169987.

3. THE PRODUCT IS RoHS COMPLIANT.
4. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
5. THE PRODUCT IS PATENTED. THE PATENT NUMBER IS U.S. PAT. 5,736,910.

ORIGINATED BY ANTON LIAO	DATE 2012-07-09	TITLE MagJack® (4 Cores, MDIX, CM Termination) 08B0-1D1T-06-F PATENTED	PART NO. / DRAWING NO. 08B01D1T06-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
DRAWN BY HE ZHEN	DATE 2012-07-09		FILE NAME 08B01D1T06-F_C.DWG	.X		UNIT : INCH [mm]	REV. : C	
				.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.010		PAGE : 3	



RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW



NOTES:

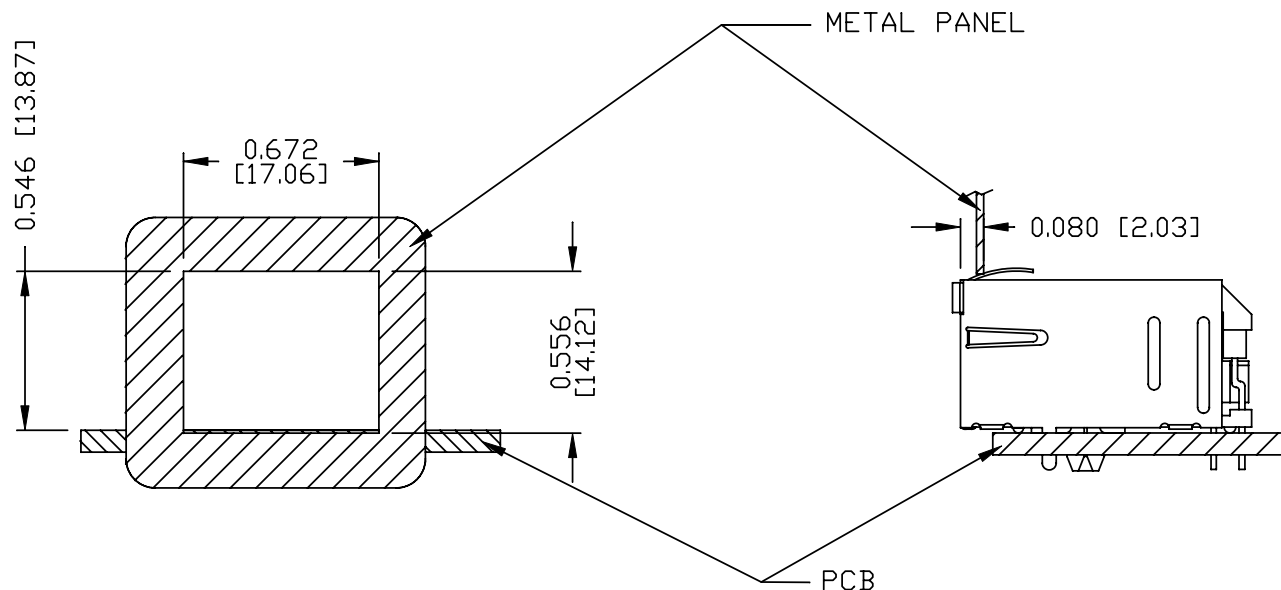
THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

ORIGINATED BY ANTON LIAO	DATE 2012-07-09	TITLE MagJack® (4 Cores, MDIX, CM Termination) 08B0-1D1T-06-F PATENTED	PART NO. / DRAWING NO. 08B01D1T06-F	STANDARD DIM. TOL. IN INCH .X .XX .XXX ±0.004	[] METRIC DIM. AS REFERENCE	
					UNIT : INCH [mm]	REV. : C
DRAWN BY HE ZHEN	DATE 2012-07-09		FILE NAME 08B01D1T06-F_C.DWG		SCALE : N/A	SIZE : A4
					PAGE : 4	





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)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
ANTON LIAO	2012-07-09	MagJack® (4 Cores, MDIX, CM Termination)	08B01D1T06-F	.X	UNIT : INCH [mm] REV. : C
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
HE ZHEN	2012-07-09	08B0-1D1T-06-F PATENTED	08B01D1T06-F_C.DWG	.XXX ±0.004	⊕ — PAGE : 5