

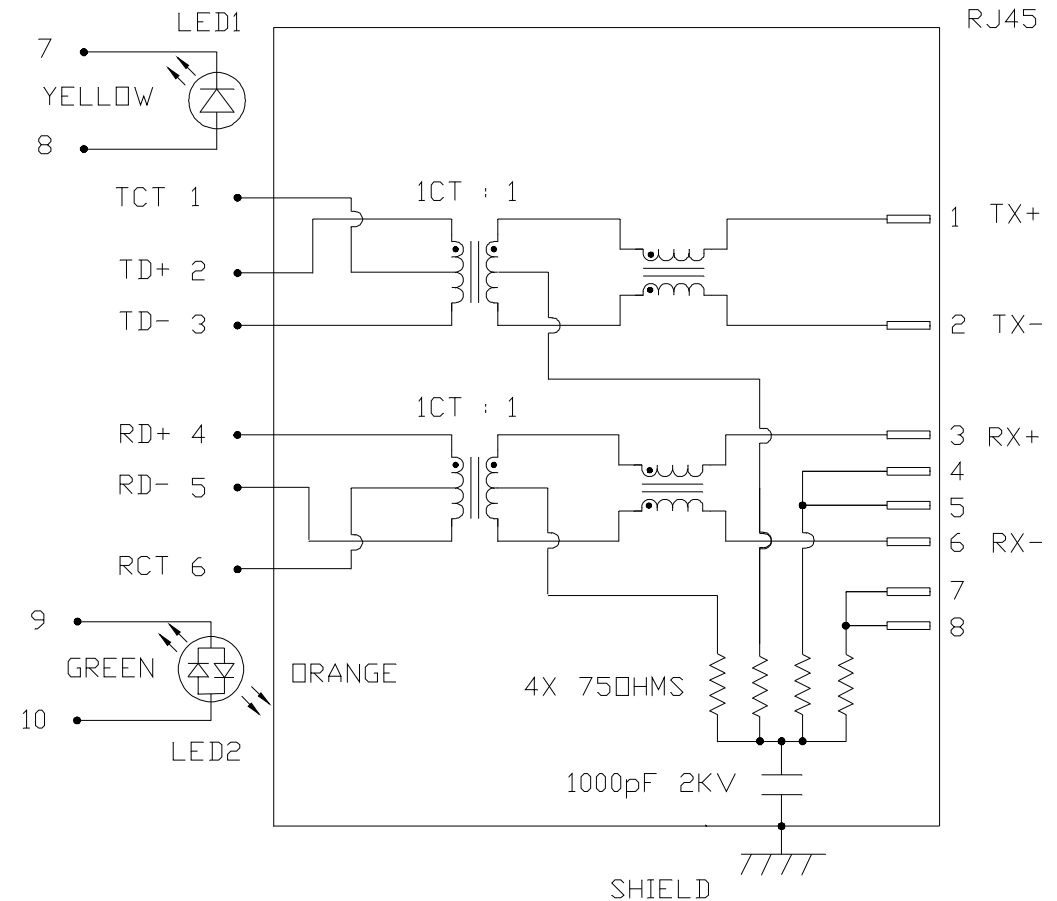
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ELECTRICAL CHARACTERISTICS @ 25°C

Turns Ratio	TX	1CT : 1
	RX	1CT : 1
DCL @ 100kHz/100mVRMS	8mA DC BIAS	350µH MIN.
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-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.		
LED1	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.
	λD (DOMINANT WAVELENGTH)	IF=20mA GREEN 2.2V TYP.
		ORANGE 605nm TYP.
		GREEN 570nm TYP.
OPERATING TEMPERATURE: -40°C TO +85°C.		

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

SCHEMATIC

RoHS

ORIGINATED BY
CHOW WANCHUNG
DATE 2018-03-18

DRAWN BY
XIE YIMING
DATE 2018-03-18

TITLE
MagJack®
(4 Cores, MDIX, CM Termination)
08B0-1X1T-36-F

PART NO. / DRAWING NO.
08B01X1T36-F

FILE NAME
08B01X1T36-F_E.DWG

STANDARD DIM.
TOL. IN INCH

.X
.XX
.XXX

[] METRIC DIM.
AS REF.

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

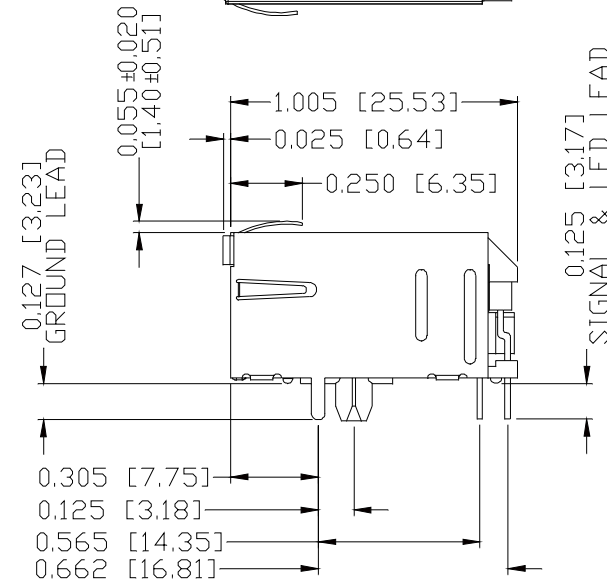
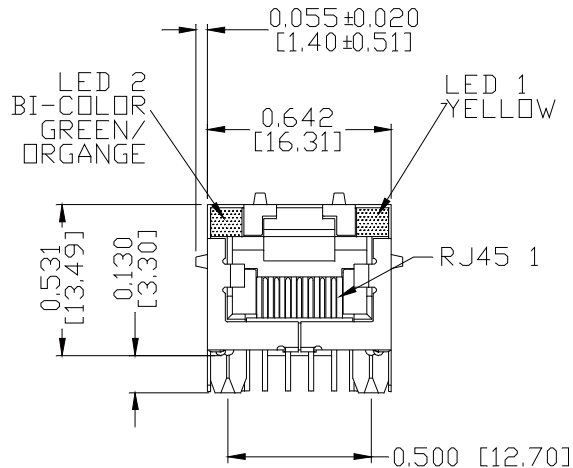
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MECHANICAL SPECIFICATION

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.

5. THE PART IS RECOMMENDED FOR WAVE SOLDERING.
THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS
260°C MAX AND 10 SECONDS MAX.

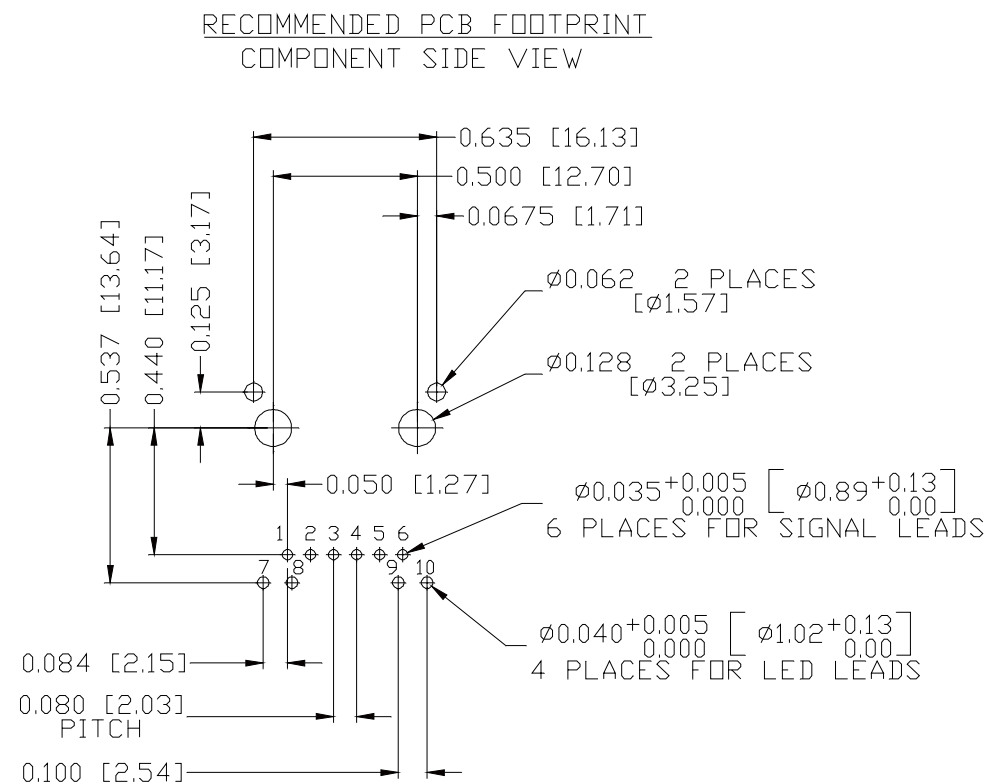
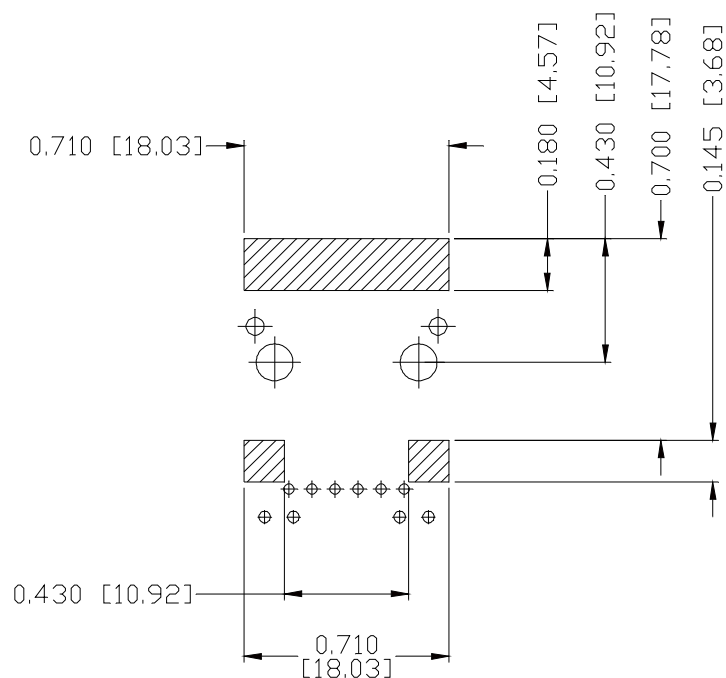
UL RECOGNIZED - FILE #E196366 AND E169987.

2. THE PRODUCT IS RoHS COMPLIANT.

3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,
PART 68 SUBPART F.

ORIGINATED BY ANTON LIAO DATE 2018-03-18	TITLE MagJack® (4 Cores, MDIX, CM Termination) 08B0-1X1T-36-F	PART NO. / DRAWING NO. 08B01X1T36-F	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.	REV. : E PAGE : 3
DRAWN BY JESSE LI DATE 2018-03-18		FILE NAME 08B01X1T36-F_E.DWG	.X .XX .XXX ±0.010	UNIT : INCH [mm] SCALE : N/A SIZE : A4	MAGNETIC SOLUTIONS a bel group

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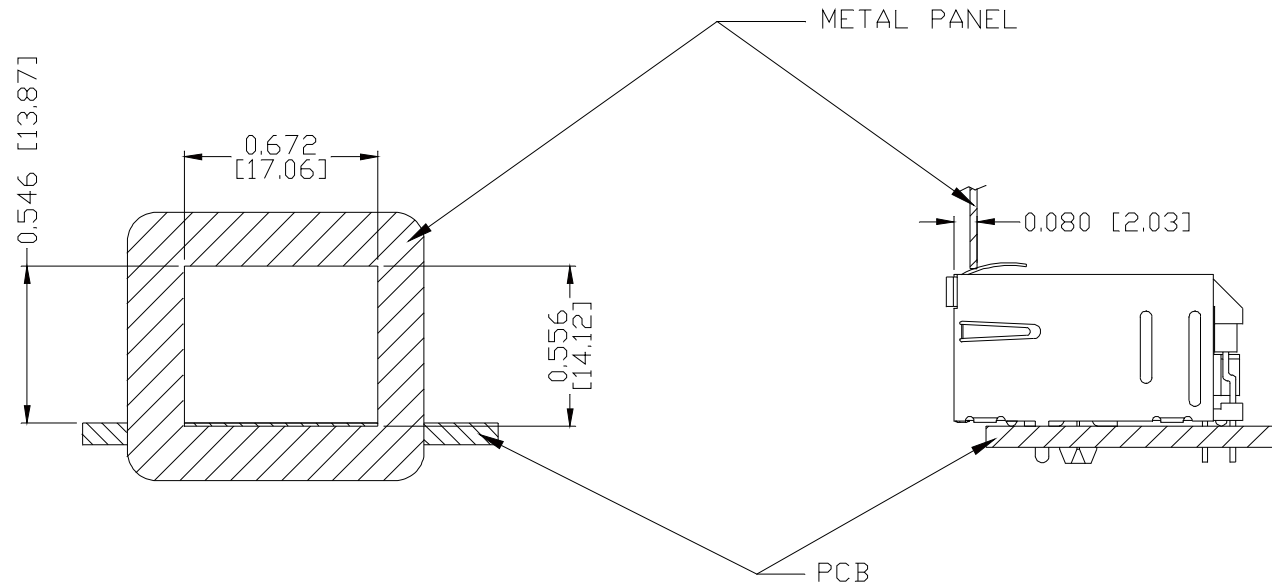
NOTES:

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

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			.XX		SCALE : N/A	
			.XXX	±0.004		SIZE : A4


bel MAGNETIC SOLUTIONS
a bel group

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RoHSSUGGESTED PANEL OPENINGNOTE:

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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DRAWN BY JESSE LI DATE 2018-03-18	08B0-1X1T-36-F	FILE NAME 08B01X1T36-F_E.DWG	.XX	SCALE : N/A	
			.XXX ±0.005	SIZE : A4	