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



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX

RX

1CT : 1

1CT : 1

QCL @ 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

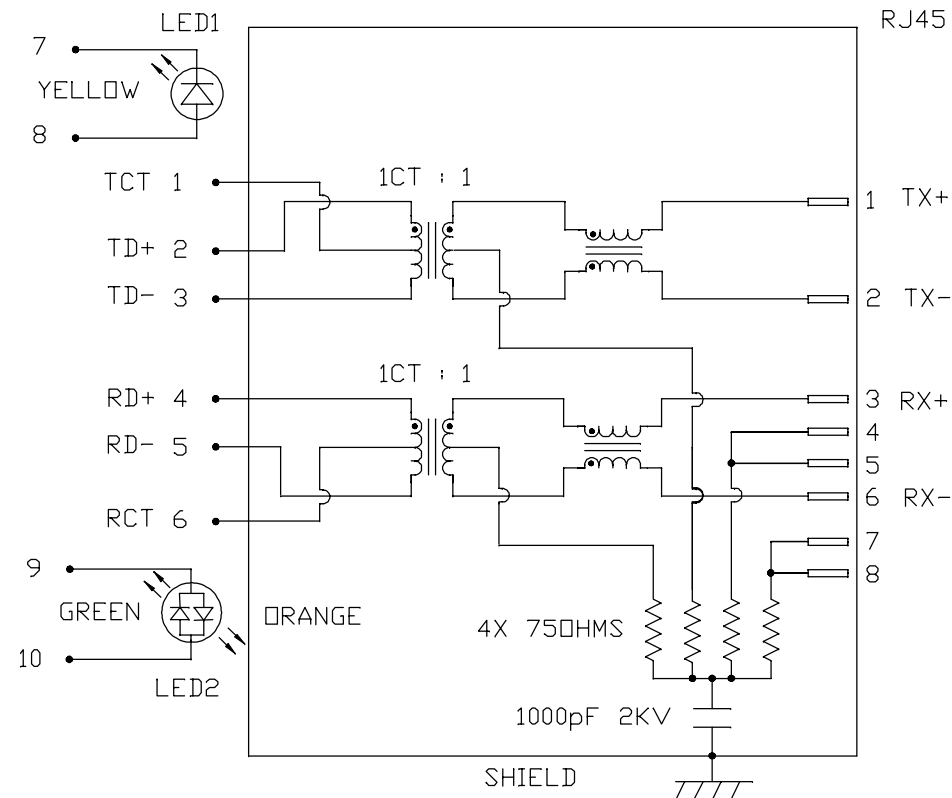
HIPOT (Isolation Voltage):

1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

OPERATING TEMPERATURE: 0°C TO +70°C.

SCHEMATIC



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.
λD (DOMINANT WAVELENGTH) IF=20mA GREEN 2.2V TYP.
ORANGE 605nm TYP.
GREEN 570nm TYP.

REV. : F

PAGE : 2

ORIGINATED BY
CHOW WANCHUNG
DATE 2017-03-06

DRAWN BY
XIE YIMING
DATE 2017-03-06

TITLE
MagJack®
(4 Cores, MDIX, CM Termination)
08B0-1X1T-06-F

PART NO. / DRAWING NO.

08B01X1T06-F

FILE NAME

08B01X1T06-F_F.DWG

STANDARD DIM.
TOL. IN INCH

.X

.XX

.XXX

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]

SCALE : N/A

SIZE : A4

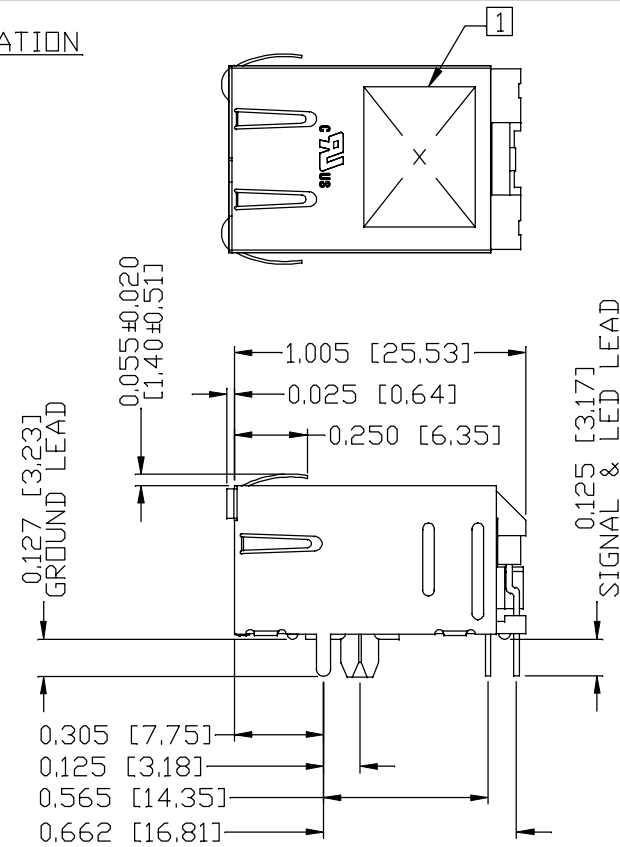
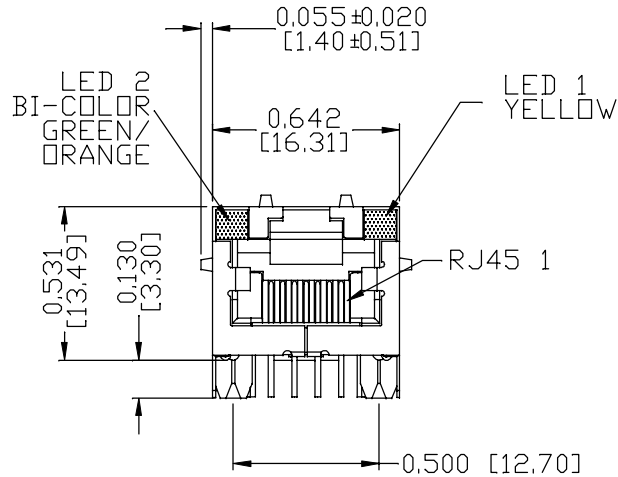


bel MAGNETIC SOLUTIONS
a bel group

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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.



UL RECOGNIZED - FILE #E196366 AND E169987.

2. THE PRODUCT IS RoHS COMPLIANT.

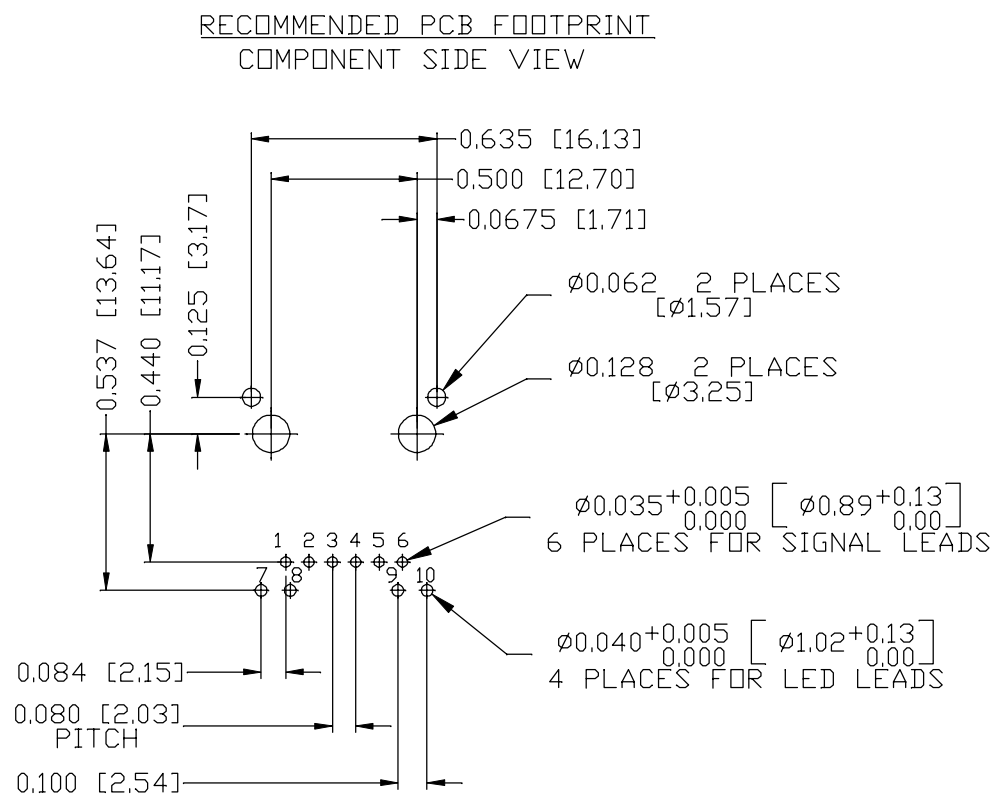
3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,
PART 68 SUBPART F.

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

REV. : F		PAGE : 3	
ORIGINATED BY ANTON LIAO DATE 2017-03-06	TITLE MagJack® (4 Cores, MDIX, CM Termination) 08B0-1X1T-06-F	PART NO. / DRAWING NO. 08B01X1T06-F FILE NAME 08B01X1T06-F_F.DWG	STANDARD DIM. TOL. IN INCH .X .XX .XXX ±0.010
DRAWN BY JESSE LI DATE 2017-03-06			[] METRIC DIM. AS REF. UNIT : INCH [mm] SCALE : N/A SIZE : A4



RoHS 



ORIGINATED BY ANTON LIAO DATE 2017-03-06	TITLE MagJack® (4 Cores, MDIX, CM Termination)	PART NO. / DRAWING NO. 08B01X1T06-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.
DRAWN BY JESSE LI DATE 2017-03-06		FILE NAME 08B01X1T06-F_F.DWG	.X		UNIT : INCH [mm]
			.XX		SCALE : N/A
			.XXX	±0.004	 SIZE : A4

REV. :	F	PAGE :	4
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bel **MAGNETIC SOLUTIONS**

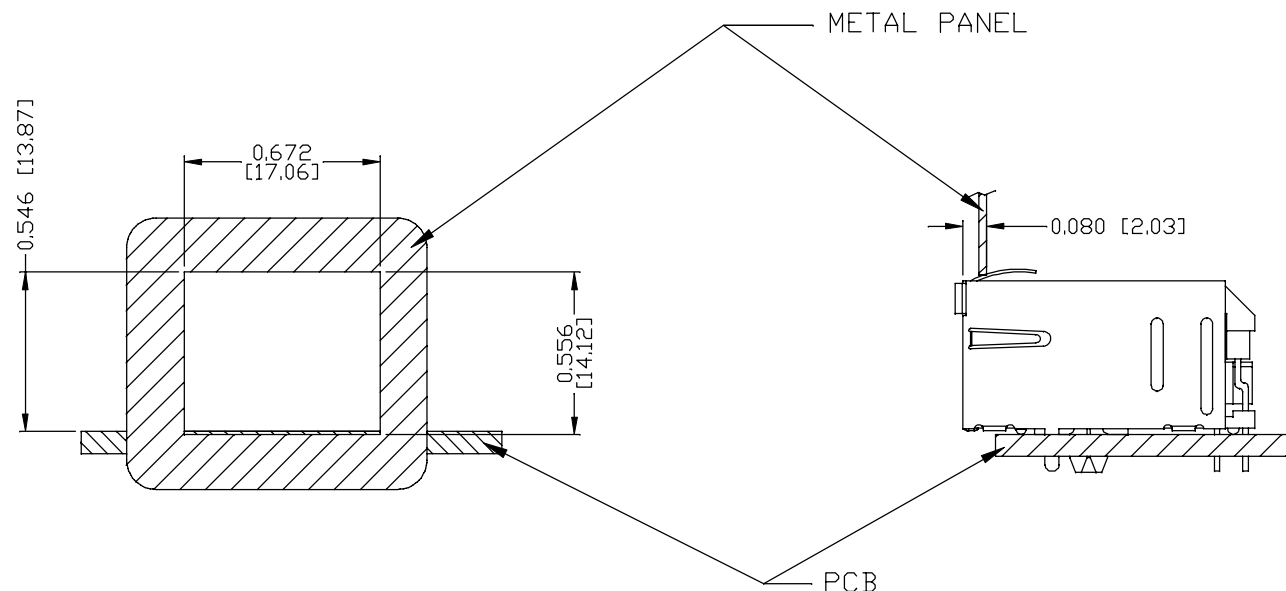
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RoHS



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. : F PAGE : 5

ORIGINATED BY ANTON LIAO DATE 2017-03-06	TITLE MagJack® (4 Cores, MDIX, CM Termination) 08B0-1X1T-06-F	PART NO. / DRAWING NO. 08B01X1T06-F	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.	
DRAWN BY JESSE LI DATE 2017-03-06		FILE NAME 08B01X1T06-F_F.DWG	.X	UNIT : INCH [mm]	
			.XX	SCALE : N/A	
			.XXX ±0.004	 SIZE : A4	