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LED1 POLARITY			LED2 POLARITY			
PIN 13	PIN 14	COLOR	PIN 15	PIN 16	PIN 17	COLOR
-	+	GREEN	-	+	-	YELLOW
				+	-	GREEN



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%

DCL @ 100kHz/100mVRMS

8mA DC BIAS (0°C - 70°C) 180µH MIN.

INS. LOSS

1MHz TO 150MHz -0.004(fMHz)-0.4 dB MAX

RET. LOSS

1MHz-40MHz -20 dB MIN
40.1MHz-150MHz -20+15LOG(f/40MHZ) dB MIN

CROSSTALK

1MHz - 40MHz -35 dB MIN
40.1MHz-150MHz -35+15LOG(f/40MHZ) dB MIN

CM TO CM REJ

1MHz - 150MHz -25 dB MIN

HIPOT (Isolation Voltage): 2250 VDC

100% OF PRODUCTION TESTED TO COMPLY WITH

IEEE 802.3 ISOLATION REQUIREMENTS.

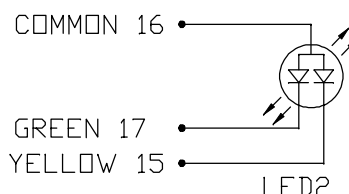
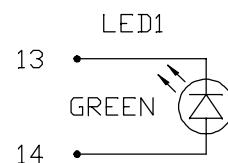
OPERATING TEMPERATURE: 0°C TO +70°C

LED 1

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	570nm TYP.

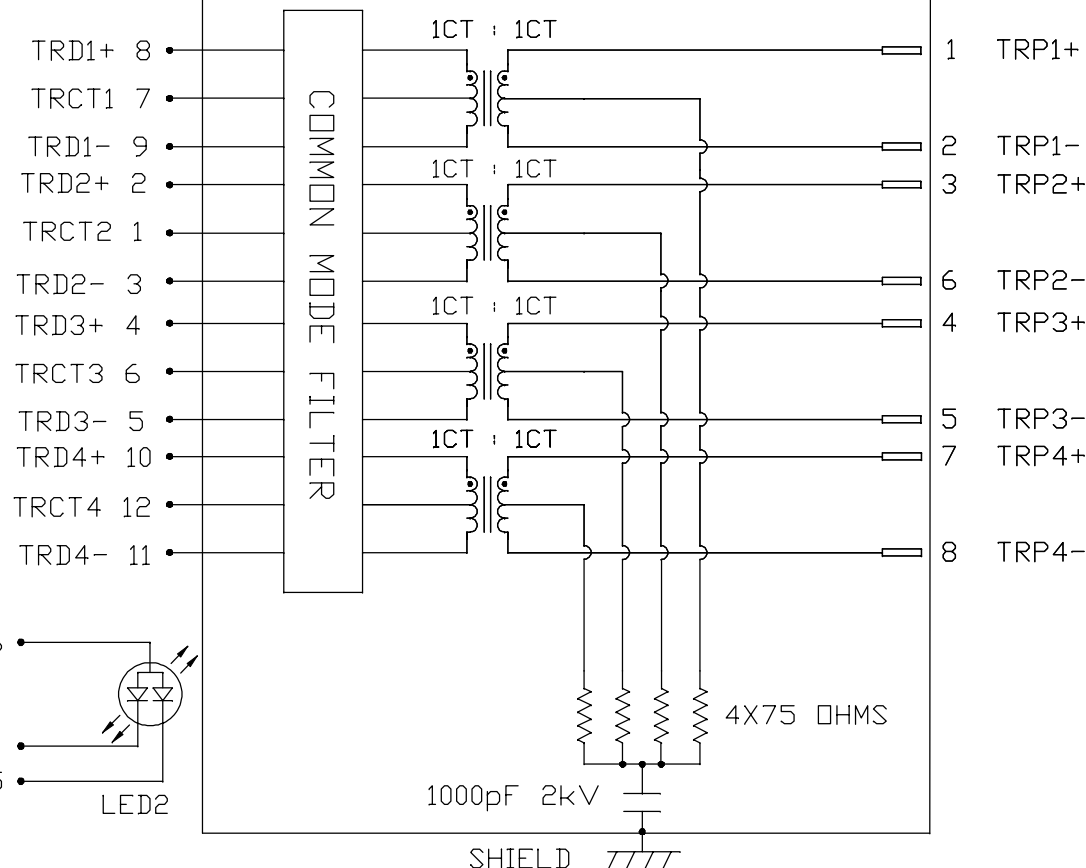
LED 2

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
		YELLOW	2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	570nm TYP.
		YELLOW	590nm TYP.



SCHEMATIC

RJ45



REV. : B PAGE : 2

ORIGINATED BY
CHOW WANCHUNG
DATE 2017-12-16

DRAWN BY
XIE YIMING
DATE 2017-12-16

TITLE
2.5 Gigabit MagJack®
(Ultra Low Profile)
PATENTED

PART NO. / DRAWING NO.
L836-121T-KD

FILE NAME
L836-121T-KD_B.DWG

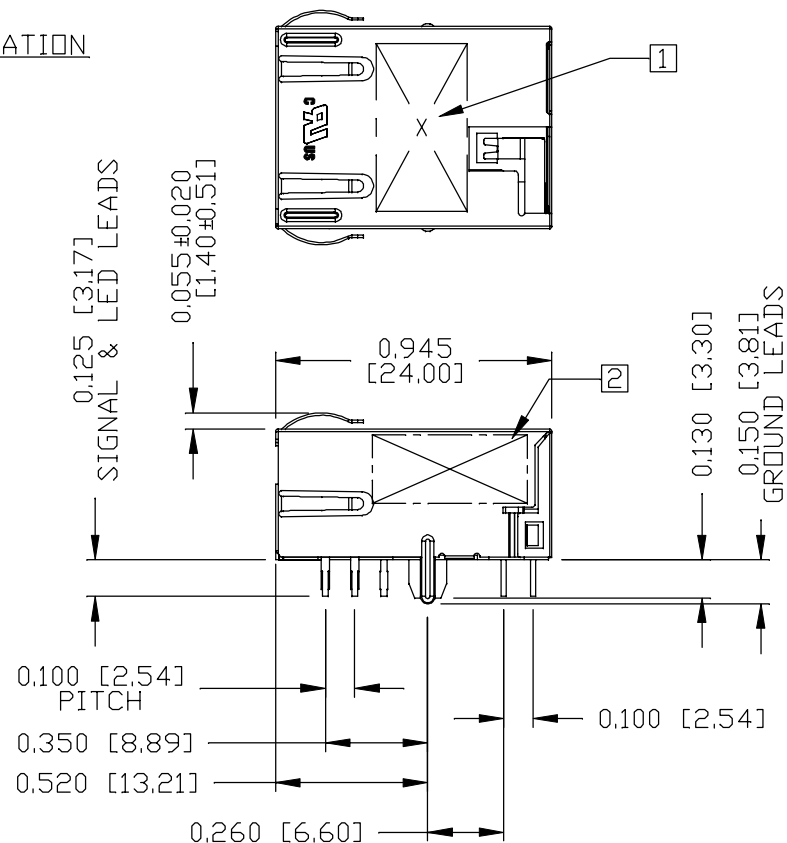
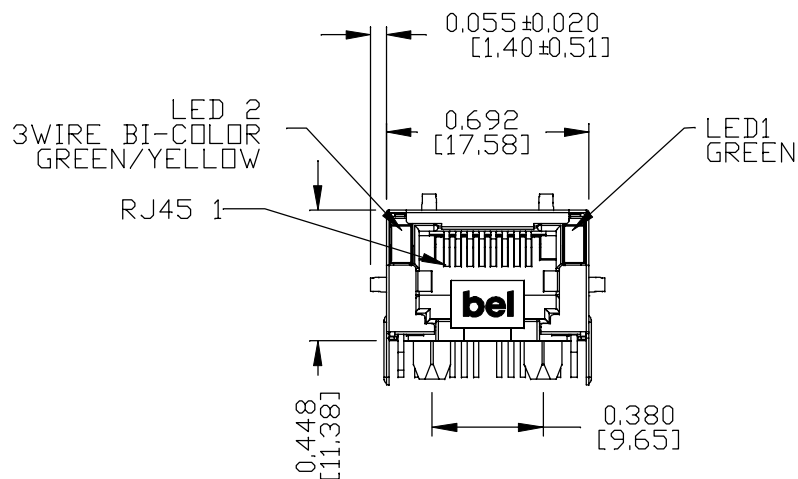
STANDARD DIM.
TOL. IN INCH
[] METRIC DIM.
AS REF.
UNIT : INCH [mm]
SCALE : N/A
SIZE : A4



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MECHANICAL SPECIFICATION

RoHS



NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA, BLACK
FLAMMABILITY RATING UL 94V-0
CONTACTS: 30 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT
OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH,
100 MICRO-INCH MIN MATTE TIN. PINS ARE SOLDER DIPPED.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY,
(ALL GROUND LEADS ARE SOLDER DIPPED)

1. MARK PART WITH PART NUMBER, DATE CODE AND PATENED.

2. MARK PART WITH MFG. LOGO, MFG. NAME.

3. THE PRODUCT IS RoHS COMPLIANT.

c UL RECOGNIZED - FILE #E196366 AND E169987.

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

5. THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE
U.S. PAT. 6,840,817 AND U.S. PAT. 7,123,117.

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

7. THE AXIAL RETENTION FORCE OF RJ PORT IS 15LBS MIN.

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ANTON LIAO
DATE 2017-12-16

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JESSE LI
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.XX
.XXX

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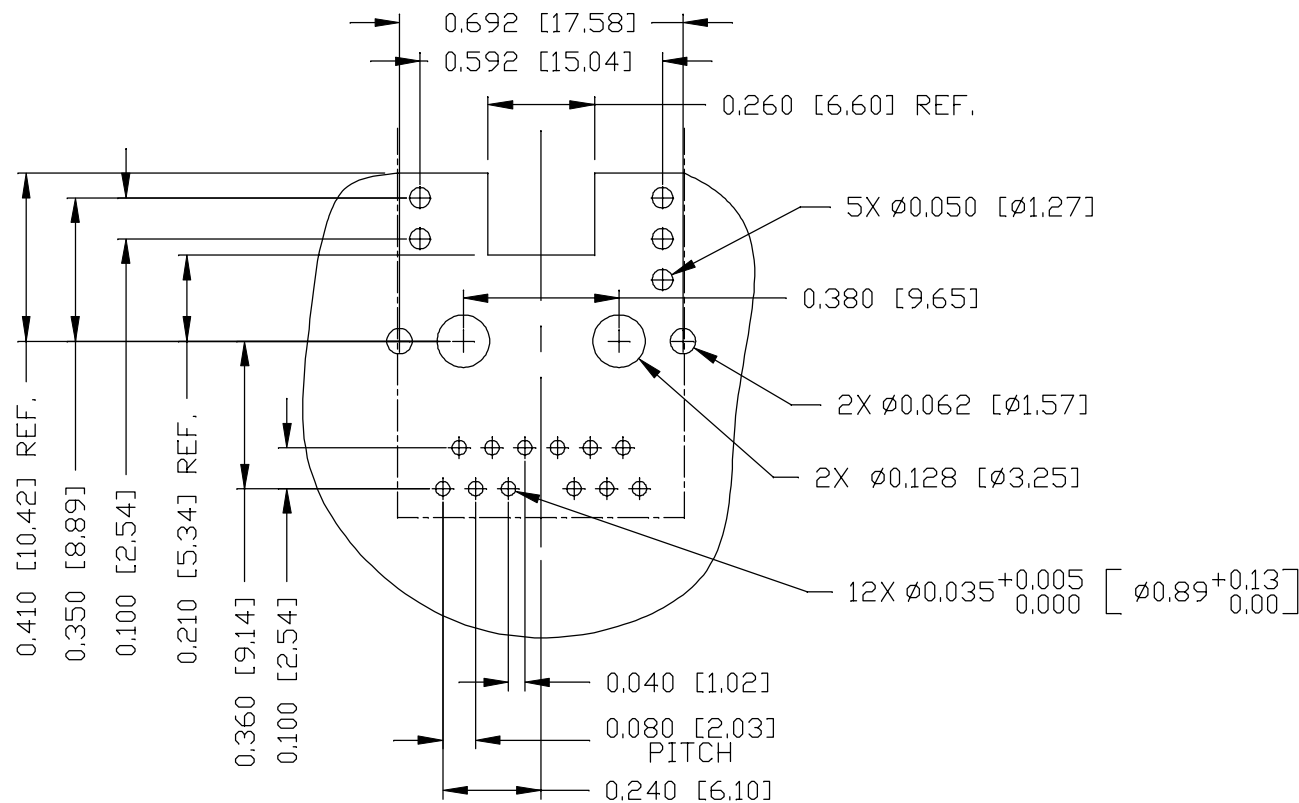
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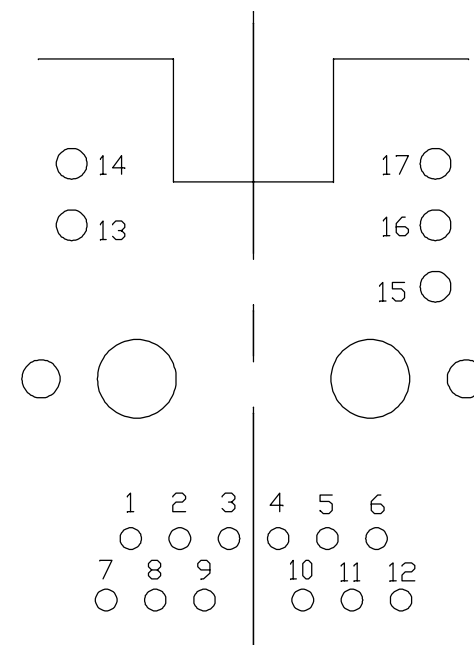


RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



FOR ONE UNIT



PIN-OUT INFORMATION

(SCALE 1.5:1)

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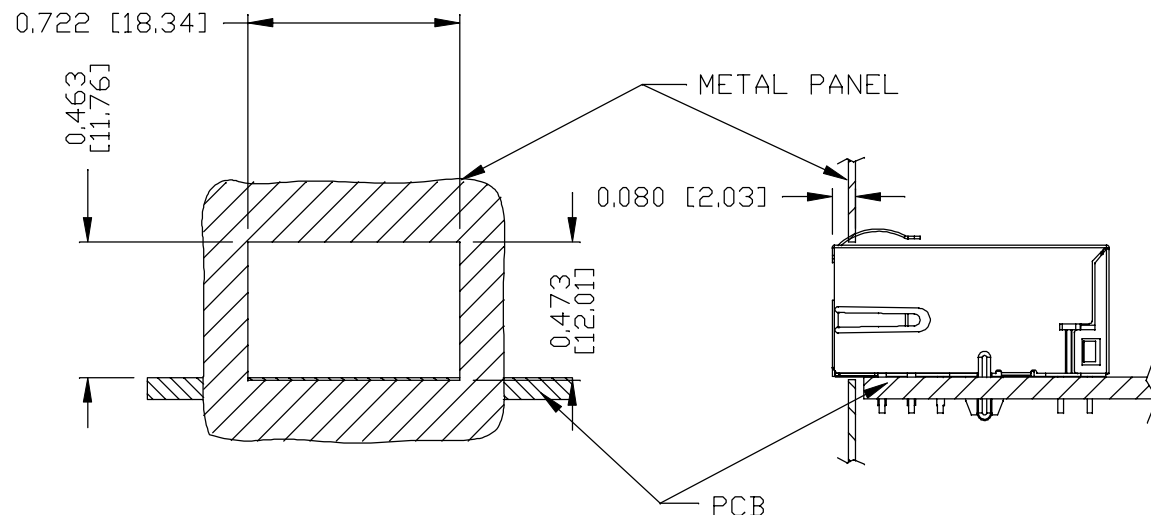
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SUGGESTED PANEL OPENING



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.

TRAY PACKING INFORMATION

PACKING TRAY : 0200-9999-E4 (TOP)

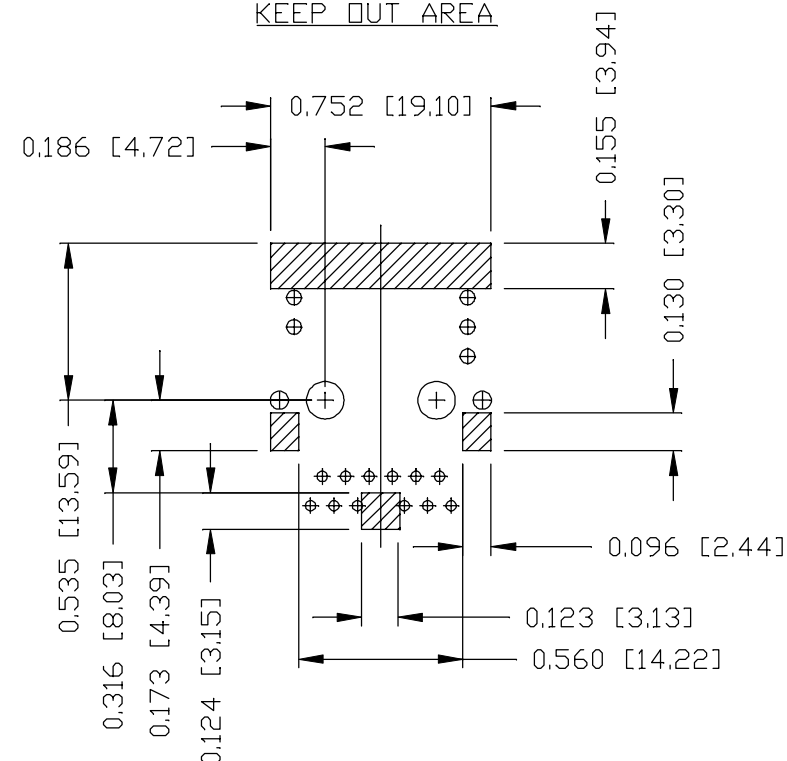
0200-9999-E5 (BOTTOM)

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)

KEEP OUT AREA



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

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