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RoHS



LED1 POLARITY			LED2 POLARITY		
PIN 12	PIN 13	COLOR	PIN 14	PIN 15	COLOR
-	+	GREEN	-	+	GREEN
+	-	YELLOW			

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO 1CT : 1CT ±2%

QCL @ 100kHz/100mVRMS

8mA DC BIAS 350μH MIN.

INSERTION LOSS

100KHz TO 100MHz -1.5 dB MAX.

RETURN LOSS (MIN.)

2MHz-30MHz -16 dB MIN.

60MHz-80MHz -10 dB MIN.

CROSS TALK

100KHz - 100MHz -30 dB MIN.

HIPOT (ISOLATION VOLTAGE)

2250 VDC

100% OF PRODUCTION TESTED TO COMPLY

WITH IEEE 802.3 ISOLATION REQUIREMENTS

BALANCED DC LINE CURRENT

350mA MAX. @ 57 VDC CONTINUOUS

500mA MAX. @ 57 VDC FOR 200 MILLSECONDS

LED 1

VF (FORWARD VOLTAGE)

IF=20mA GREEN 2.2V TYP.

IF=20mA YELLOW 2.1V TYP.

λD (DOMINANT WAVELENGTH)

IF=20mA GREEN 565nm TYP.

IF=20mA YELLOW 590nm TYP.

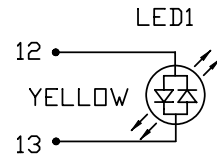
LED 2

VF (FORWARD VOLTAGE)

IF=20mA GREEN 2.2V TYP.

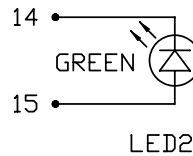
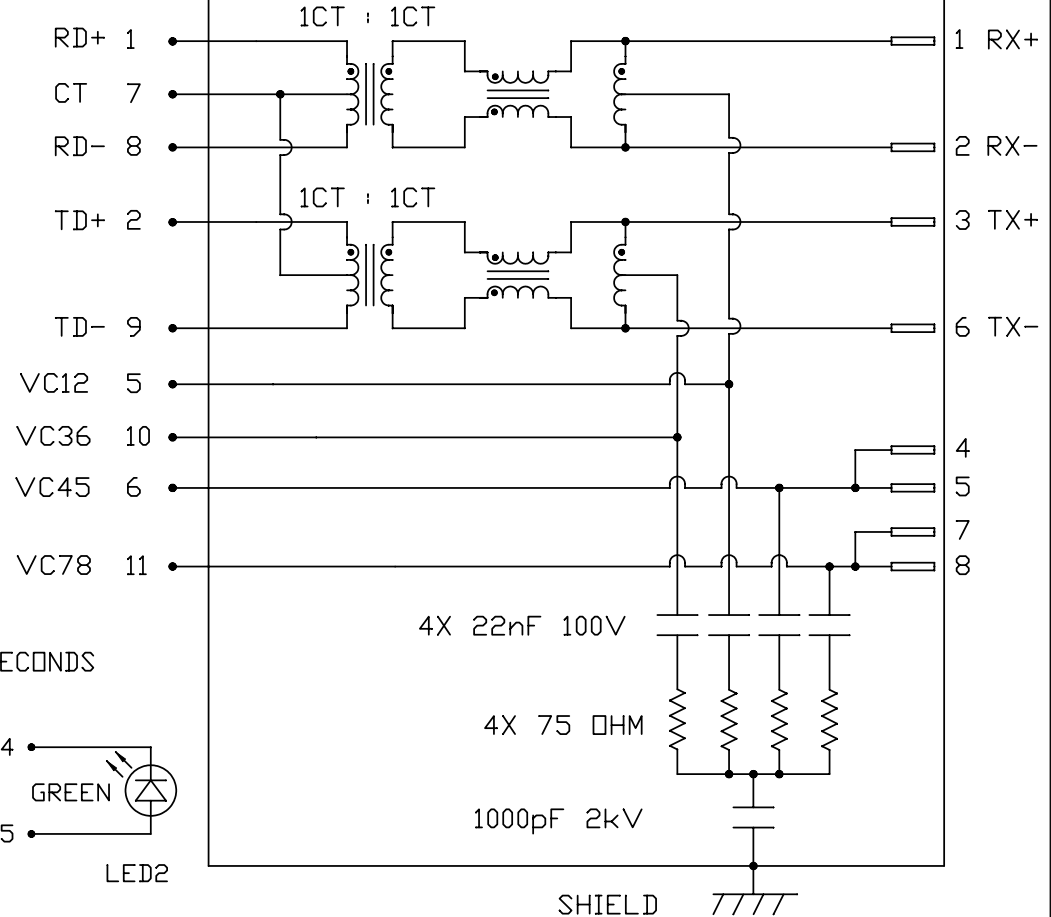
λD (DOMINANT WAVELENGTH)

IF=20mA GREEN 565nm TYP.



GREEN

PIN



LED2

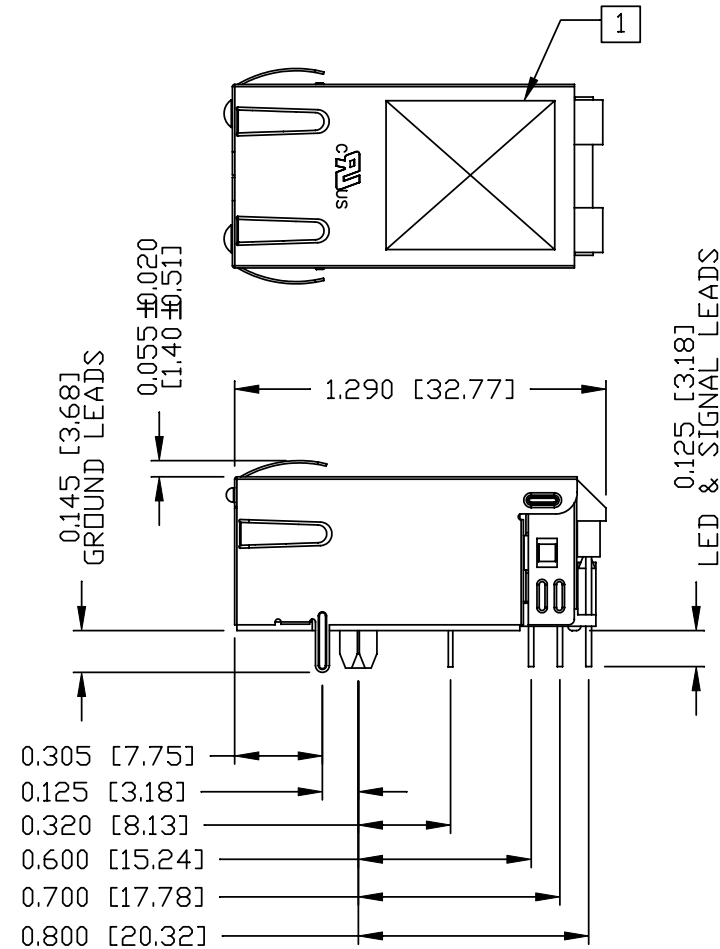
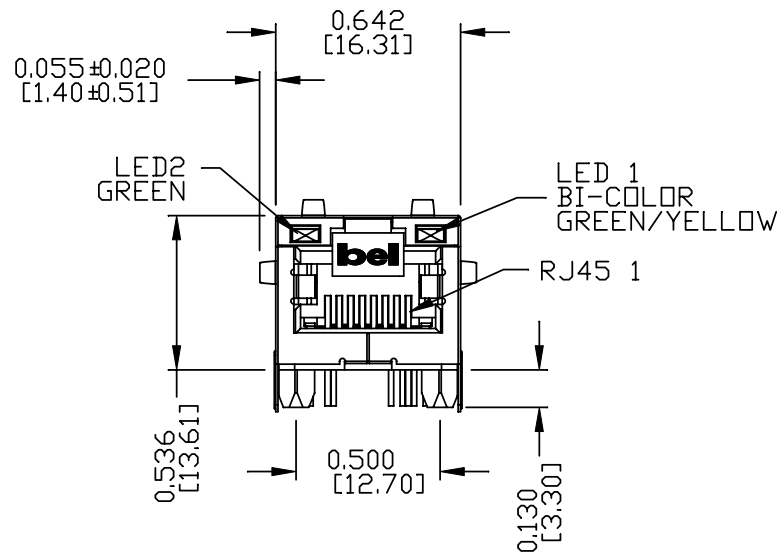
ORIGINATED BY		DATE	TITLE	10/100 MagJack® PoE 0826-1L1T-57-F PATENTED	PART NO. / DRAWING NO.		STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 bel COMPONENTS OR CONNECTED PLANET		
CHOW WANCHUNG		2012-09-20			08261L1T57-F		TOL. IN INCH		UNIT : INCH [mm]			REV. : E	
DRAWN BY		DATE			FILE NAME		.X		SCALE : N/A			SIZE : A4	
TAN QIGUANG		2012-09-20			08261L1T57-F_E.DWG		.XX					PAGE : 2	
					.XXX								



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MECHANICAL SPECIFICATION

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NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PA
FLAMMABILITY RATING UL 94V-0
- CONTACTS: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
- OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
- METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
- (ALL GROUND LEADS ARE SOLDER DIPPED)
- 1 MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE AND PATENTED.

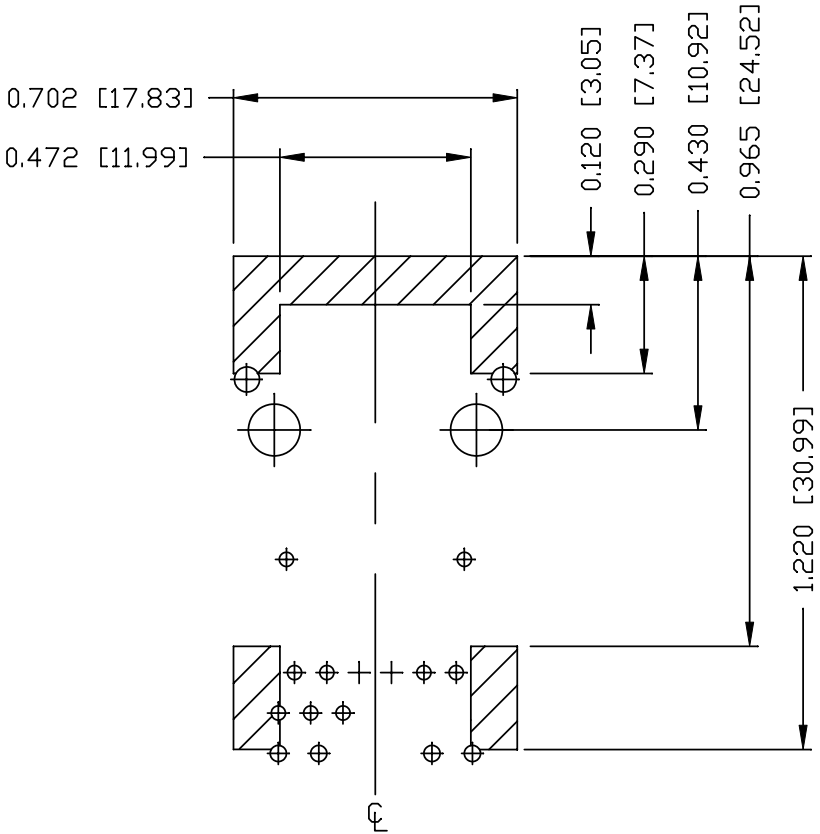
1. THE PRODUCT IS UL RECOGNIZED - FILE #E196366 AND E169987.
2. THE PRODUCT IS RoHS COMPLIANT.
- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
3. THE PRODUCT IS PATENTED. THE PATENT NUMBER IS U.S. PAT. 5,736,910.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
ANTON LIAO	2012-09-20	10/100 MagJack® PoE	08261L1T57-F	.X	UNIT : INCH [mm] REV. : E
DRAWN BY	DATE	0826-1L1T-57-F PATENTED	FILE NAME	.XX	SCALE : N/A SIZE : A4
HE ZHEN	2012-09-20		08261L1T57-F_E.DWG	.XXX ±0.010	PAGE : 3



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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 2012-09-20	TITLE 10/100 MagJack® PoE 0826-1L1T-57-F PATENTED	PART NO. / DRAWING NO. 08261L1T57-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 bel COMPONENTS FOR A CONNECTED PLANET
DRAWN BY HE ZHEN	DATE 2012-09-20		FILE NAME 08261L1T57-F_E.DWG	.X		UNIT : INCH [mm]	REV. : E	
				.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.004		PAGE : 4	

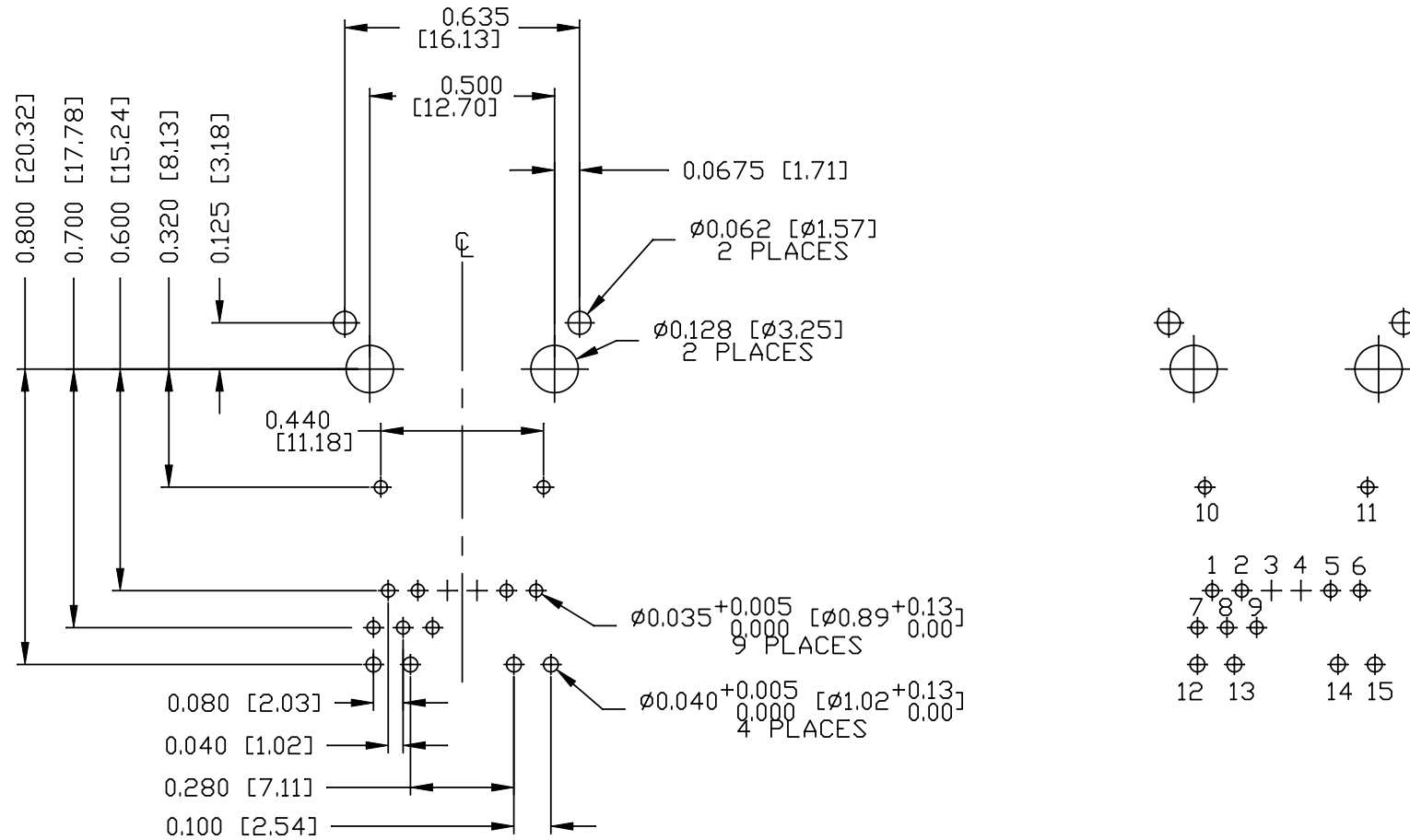


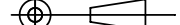
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RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



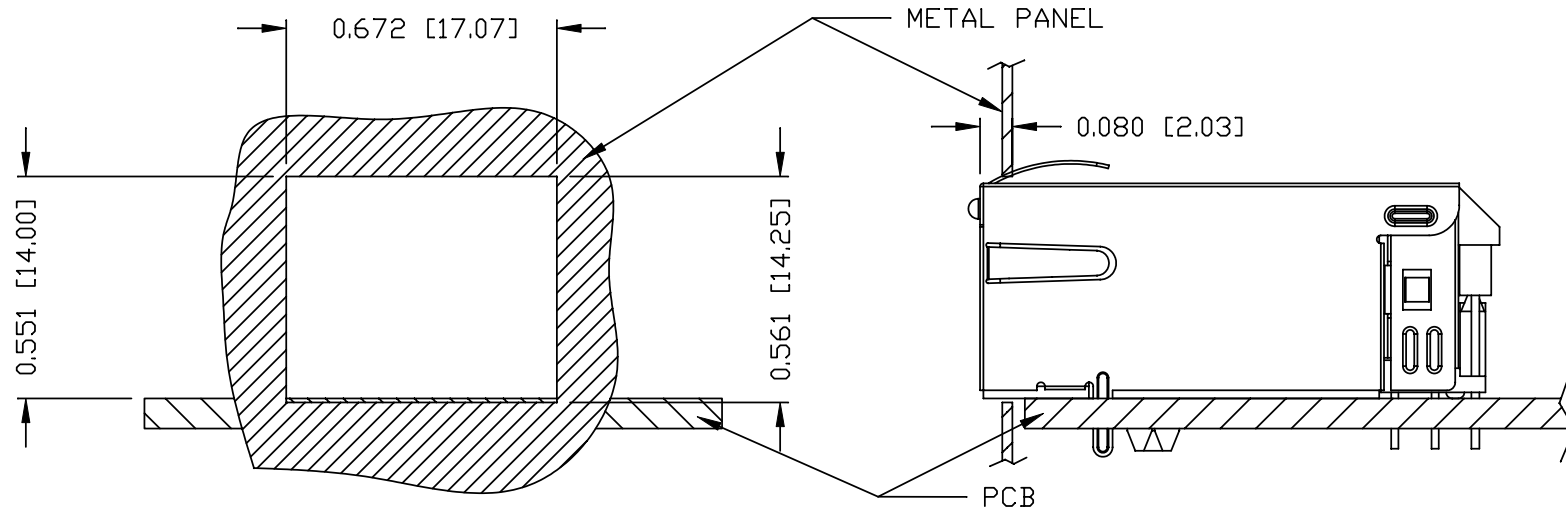
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DRAWN BY HE ZHEN	DATE 2012-09-20		FILE NAME 08261L1T57-F_E.DWG		UNIT : INCH [mm] SCALE : N/A	REV. : E SIZE : A4	
						PAGE : 5	

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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-F6 (TOP)

0200-9999-F7 (BOTTOM)

PACKING QUANTITY : 40 PCS FINISHED GOODS PER TRAY

10 TRAYS (400 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.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : E
ANTON LIAO	2012-09-20	10/100 MagJack® PoE	08261L1T57-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 6
				.XXX	±0.004		
HE ZHEN	2012-09-20	0826-1L1T-57-F PATENTED	08261L1T57-F_E.DWG				

bel
COMPONENTS FOR A
CONNECTED
PLANET

Mouser Electronics

Authorized Distributor

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

Bel:

0826-1L1T-57-F