RoHS

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

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

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

OCL @ 100kHz/100mVRMS

8mA DC BIAS	350μH MIN.

INS. LOSS

0.1MHz TO 1MHz	-1.1 dB MAX
1MHz TO 65MHz	-0.5 dB MAX
65MHz TO 100MHz	-0.8 dB MAX
100MHz TO 125MHz	-1.2 dB MAX

RET. LOSS (MIN)

0.5MHz-40MHz	-18 dB
40MHz-100MHz	-12+20LOG(f/80MHz) dB

CROSS TALK

100kHz - 100MHz	-33+20LOG(f/100MHz)dB MIN

CM TO CM REJ

100kHz - 100MHz	-30 dB MIN

CM TO DM REJ

100kHz - 100MHz	-35 dB MIN

HIPOT (Isolation Voltage): 1500 Vrms

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

LED 1

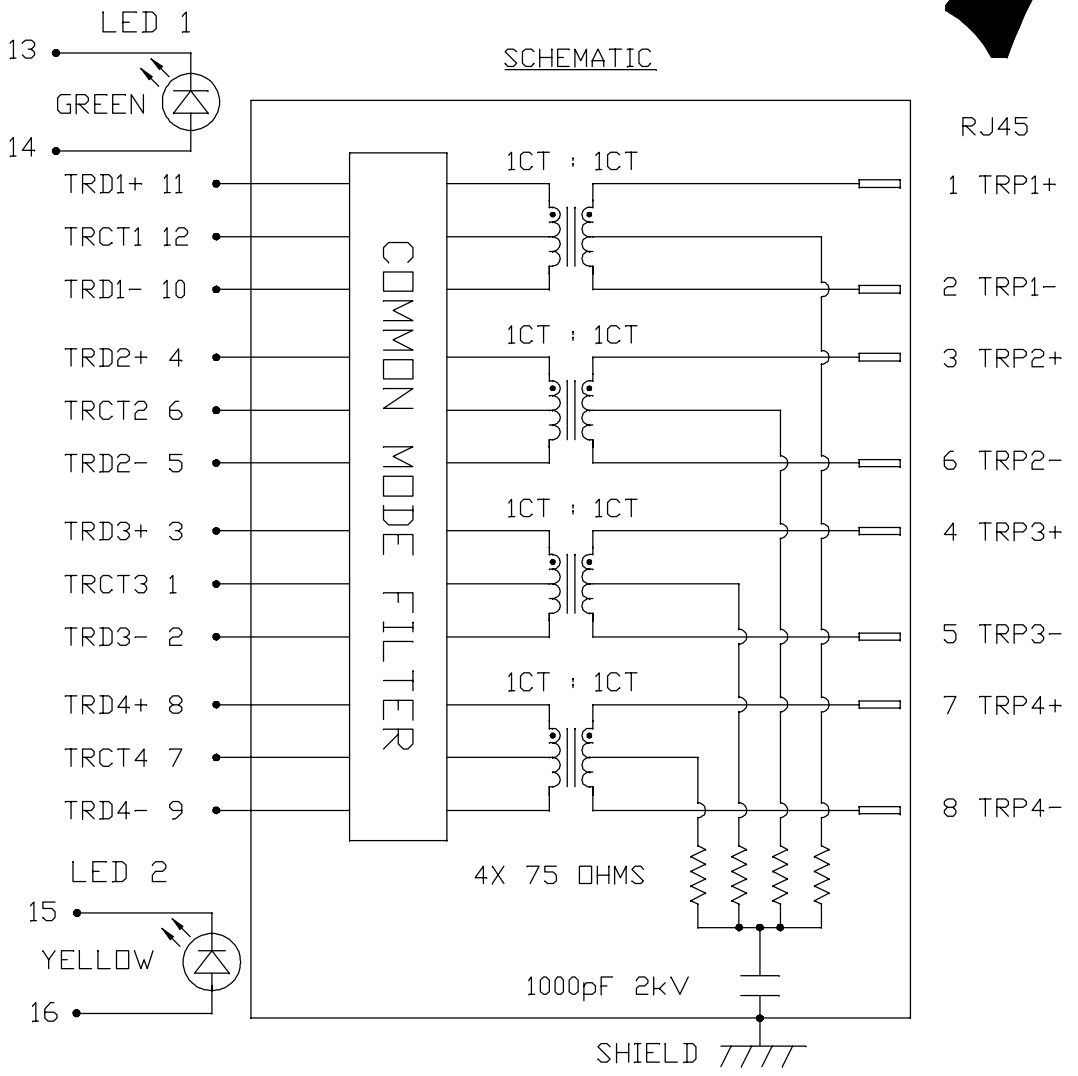
VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	570nm TYP.

LED 2

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

OPERATING TEMPERATURE: 0°C TO +70°C.

SCHEMATIC



REV. :	C
PAGE :	2

ORIGINATED BY: CHOW WANCHUNG DATE: 2016-08-10	TITLE: gigabit MagJack® (8 cores, Tab Up) 0826-1D1T-43-F PATENTED	PART NO. / DRAWING NO.: 08261D1T43-F FILE NAME: 08261D1T43-F_C.DWG	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX [ ] METRIC DIM. AS REF. UNIT : INCH [mm] SCALE : N/A SIZE : A4
DRAWN BY: SKY YOU DATE: 2016-08-10			

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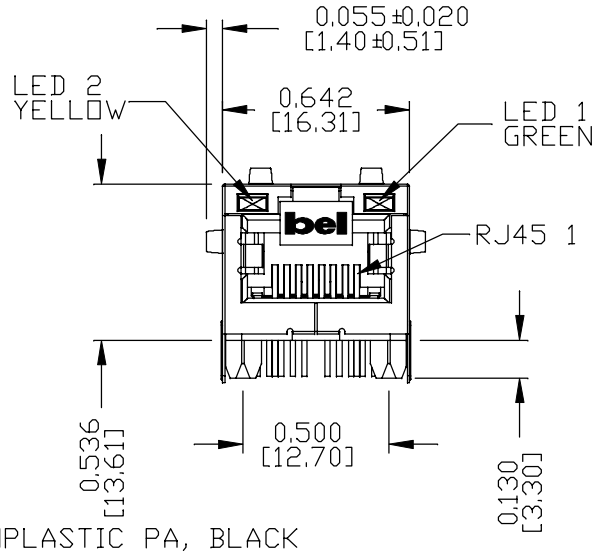
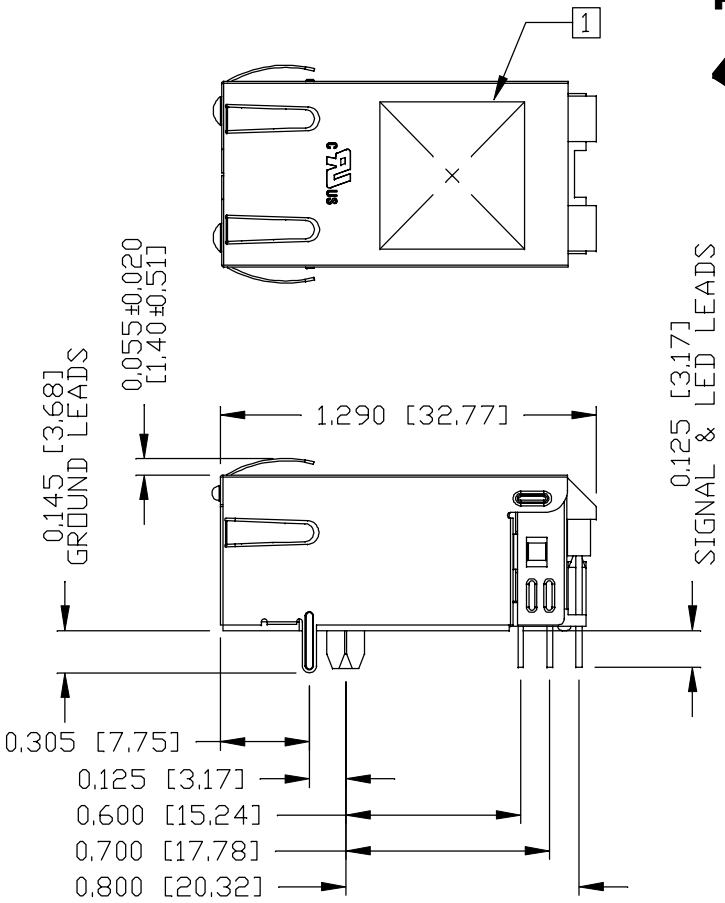
MECHANICAL SPECIFICATION





NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA, BLACK
FLAMMABILITY RATING UL 94V-0

CONTACTS: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
30 MICRO-INCH MIN NICKEL UNDERPLATE.

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 MFG LOGO, MFG NAME,PART NUMBER, DATE CODE, AND PATENTED.

c UL us UL RECOGNIZED - FILE #E196366 AND E169987.

2. THE PRODUCT IS RoHS COMPLIANT.
3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
4. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.
5. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS U.S. PAT. 7,123,117.

REV. : C	PAGE : 3

ORIGINATED BY ANTON LIAO DATE 2016-08-10	TITLE gigabit MagJack® (8 cores, Tab Up) 0826-1D1T-43-F PATENTED	PART NO. / DRAWING NO. 08261D1T43-F	STANDARD DIM. TOL. IN INCH .X .XX .XXX ±0.010
DRAWN BY JESSE LI DATE 2016-08-10		FILE NAME 08261D1T43-F_C.DWG	[ ] METRIC DIM. AS REF. UNIT : INCH [mm] SCALE : N/A SIZE : A4

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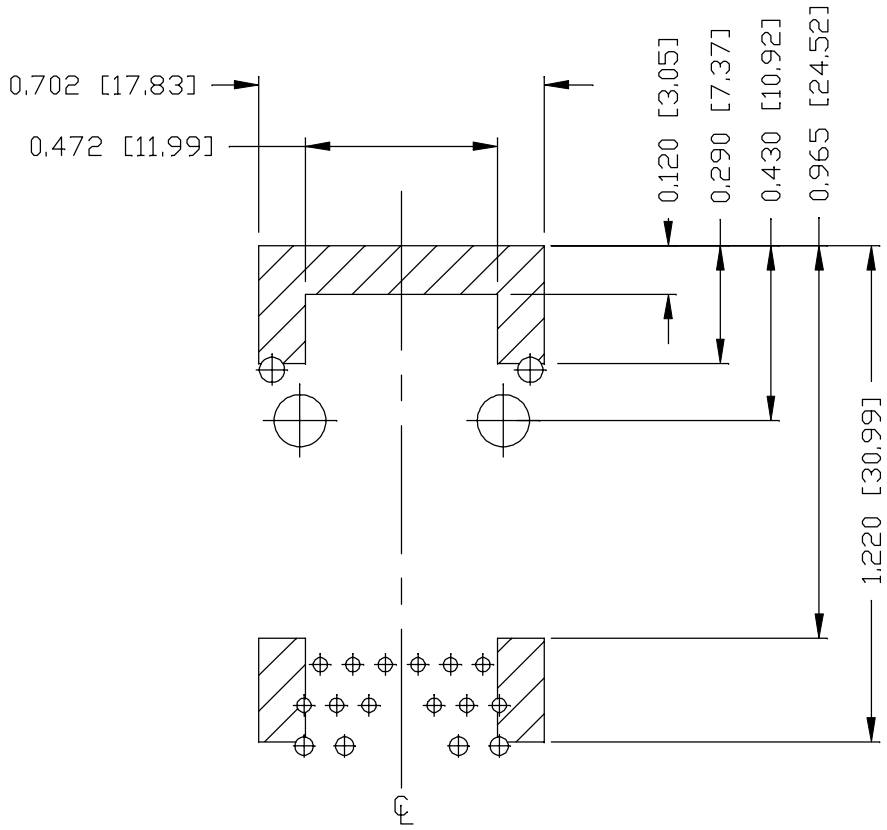
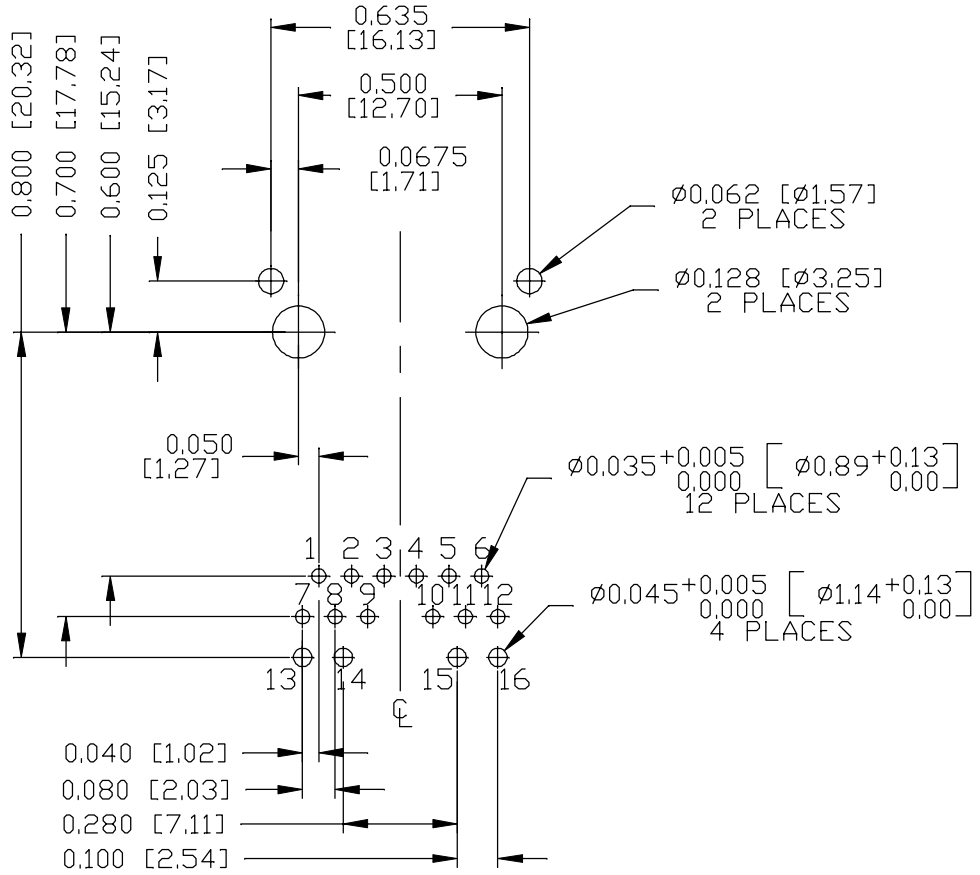


RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



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 2016-08-10	TITLE gigabit MagJack® (8 cores, Tab Up) 0826-1D1T-43-F PATENTED	PART NO. / DRAWING NO. 08261D1T43-F	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.	REV. : C
DRAWN BY JESSE LI DATE 2016-08-10		FILE NAME 08261D1T43-F_C.DWG	.X .XX .XXX ±0.004	UNIT : INCH [mm] SCALE : N/A SIZE : A4	PAGE : 4

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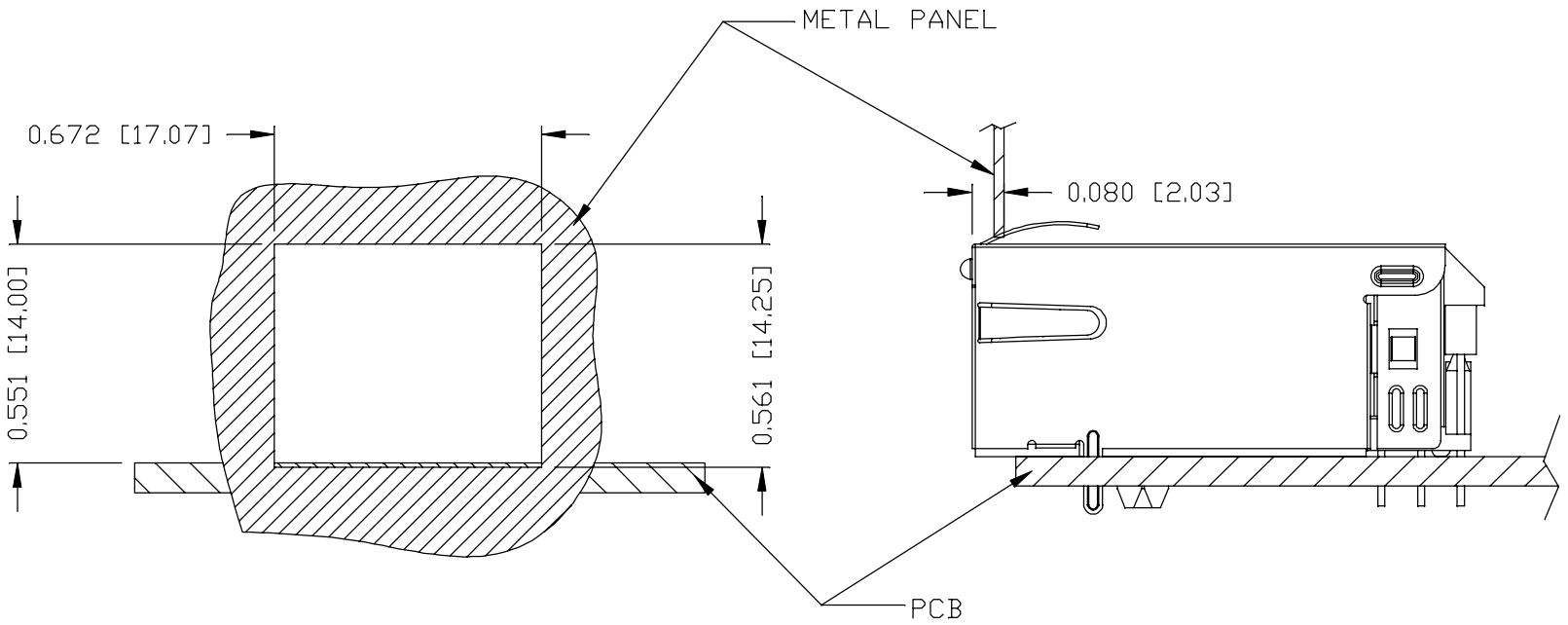
SUGGESTED PANEL OPENING



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)

REV. : C				PAGE : 5	
ORIGINATED BY ANTON LIAO DATE 2016-08-10	TITLE gigabit MagJack® (8 cores, Tab Up) 0826-1D1T-43-F PATENTED	PART NO. / DRAWING NO. 08261D1T43-F	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.	bel MAGNETIC SOLUTIONS a bel group
DRAWN BY JESSE LI DATE 2016-08-10		FILE NAME 08261D1T43-F_C.DWG	.X .XX .XXX ±0.004	UNIT : INCH [mm] SCALE : N/A SIZE : A4	

Mouser Electronics

Authorized Distributor

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

Bel:
0826-1D1T-43-F