

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Bel Fuse Inc.](#)
[0826-1X1T-23-F](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



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

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

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

DCL @ 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

CM TO CM REJ

100kHz - 100MHz -30 dB MIN

CM TO DM REJ

100kHz - 100MHz -35 dB MIN

HIPOT (Isolation Voltage):

100% OF PRODUCTION TESTED TO COMPLY WITH

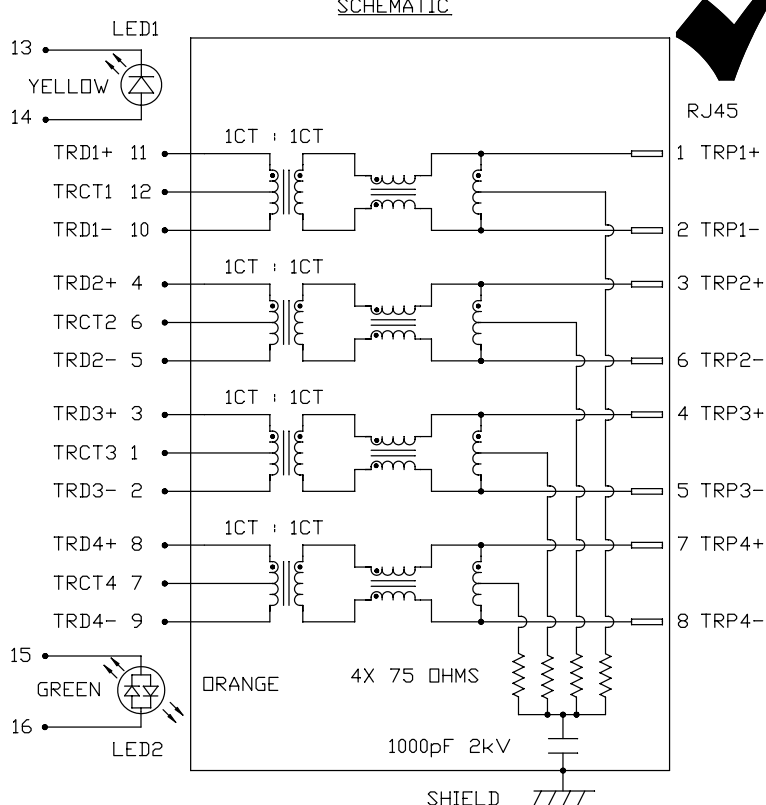
IEEE 802.3 ISOLATION REQUIREMENTS.

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	GREEN 2.2V TYP.
		ORANGE 2.0V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN 565nm TYP.
		ORANGE 610nm TYP.



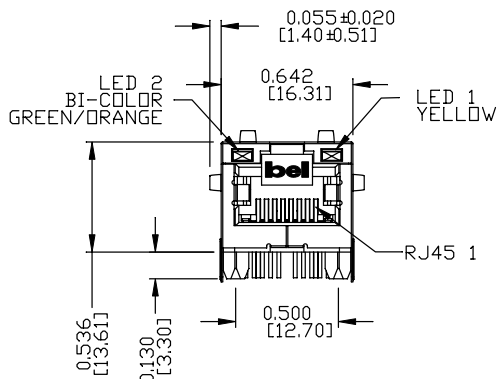
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
CHOW WANCHUNG	2013-05-03	gigabit MagJack® (12 cores, Tab Up)	08261X1T23-F	TOL. IN INCH	UNIT : INCH [mm] REV. : F
DRAWN BY	DATE	0826-1X1T-23-F PATENTED	FILE NAME	.X .XX .XXX	SCALE : N/A SIZE : A4
TAN QIGUANG	2013-05-03		08261X1T23-F_F.DWG		PAGE : 2



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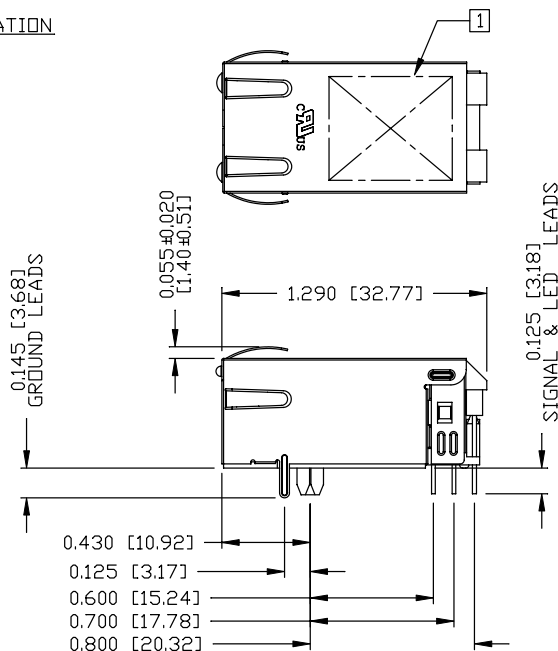
MECHANICAL SPECIFICATION

RoHS



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" MARKING. THE PRODUCT IS PATENTED. THE PATENTED NUMBER IS U.S. PAT. 5,736,910.
2. THE PRODUCT IS RoHS COMPLIANT.
- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	REV.
ANTON LIAO	2013-05-03	gigabit MagJack® (12 cores, Tab Up)	08261X1T23-F	.X .XX .XXX ±0.010	UNIT : INCH [mm] SCALE : N/A	F
DRAWN BY	DATE	FILE NAME			SIZE	PAGE
HE ZHEN	2013-05-03	08261X1T23-F_F.DWG			A4	3



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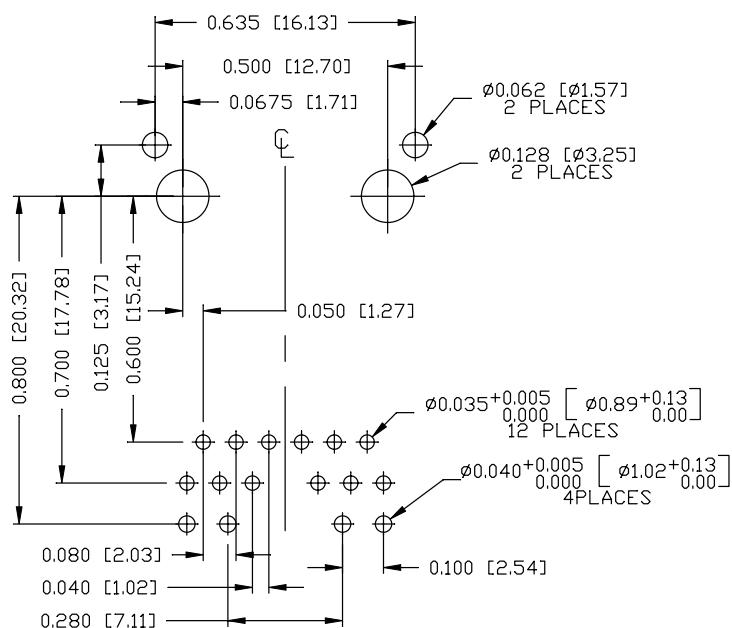
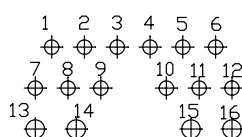


RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW

PIN ASSIGNMENT

COMPONENT SIDE VIEW



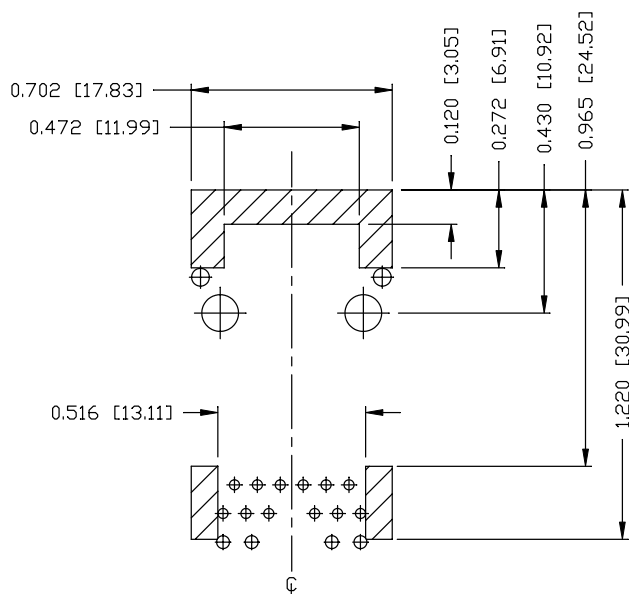
ORIGINATED BY ANTON LIAO	DATE 2013-05-03	TITLE gigabit MagJack® (CM Termination) 0826-1X1T-23-F PATENTED	PART NO. / DRAWING NO. 08261X1T23-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FROM A CONNECTED PLANET
DRAWN BY HE ZHEN	DATE 2013-05-03		FILE NAME 08261X1T23-F_F.DWG	.X		UNIT : INCH [mm]	REV. : F	
				.XX		SCALE : N/A	SIZE : A4	
			.XXX	±0.004			PAGE : 4	

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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 2013-05-03	TITLE gigabit MagJack® (12 cores, Tab Up)	PART NO. / DRAWING NO. 08261X1T23-F	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	UNIT : INCH [mm]	REV. : F	bel
DRAWN BY HE ZHEN	DATE 2013-05-03	FILE NAME 08261X1T23-F_F.DWG	STANDARD DIM. TOL. IN INCH	UNIT : INCH [mm]	SCALE : N/A	SIZE : A4	PAGE : 5	COMPONENTS CONNECTED PLANET
				.X				
				.XX				
				.XXX	±0.004			

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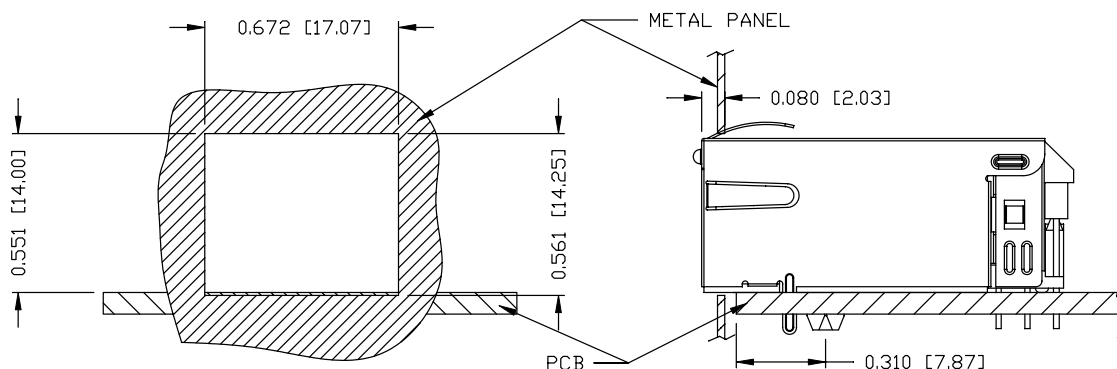
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SUGGESTED PANEL OPENING



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.

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)

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				.X		UNIT : INCH [mm]	REV. : F
DRAWN BY HE ZHEN	DATE 2013-05-03		FILE NAME 08261X1T23-F_F.DWG	.XX		SCALE : N/A	SIZE : A4
				.XXX	±0.004	SCALE : N/A	PAGE : 6



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