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ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

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

OCL @ 100kHz/100mV/RMS

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

Ch1-Ch2, Ch2-Ch3, Ch3-Ch4
Ch4-Ch1, Ch2-Ch4, Ch3-Ch1
1MHz - 30MHz -37dB MIN
30MHz - 80MHz -29dB MIN
80MHz - 100MHz -28dB MIN

CM TO DM REJ
100kHz - 100MHz -35 dB MIN

HIPDT (Isolation Voltage) 1500 Vrms or 2250VDC

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.
λD (DOMINANT WAVELENGTH) IF=20mA ORANGE 2.0V TYP.
VF (FORWARD VOLTAGE) IF=20mA GREEN 570nm TYP.
λD (DOMINANT WAVELENGTH) IF=20mA ORANGE 605nm TYP.

OPERATING TEMPERATURE: 0°C TO +70°C.

TITLE

ORIGINATED BY
CHOW WANCHUNG

DATE 2018-12-19

DRAWN BY
XIE YIMING

DATE 2018-12-19

glgabit MagJack®
(Low Profile, 12 cores)
L826-1X1T-23-F

PART NO. / DRAWING NO.

L8261X1T23-F

FILE NAME

L8261X1T23-F_D.DWG

STANDARD DIM.

TOL. IN INCH

.X

.XX

.XXX

[] METRIC DIM.

AS REF.

UNIT : INCH [mm]

SCALE : N/A

SIZE : A4

REV. : D

PAGE : 2



MAGNETIC
SOLUTIONS

a bel group

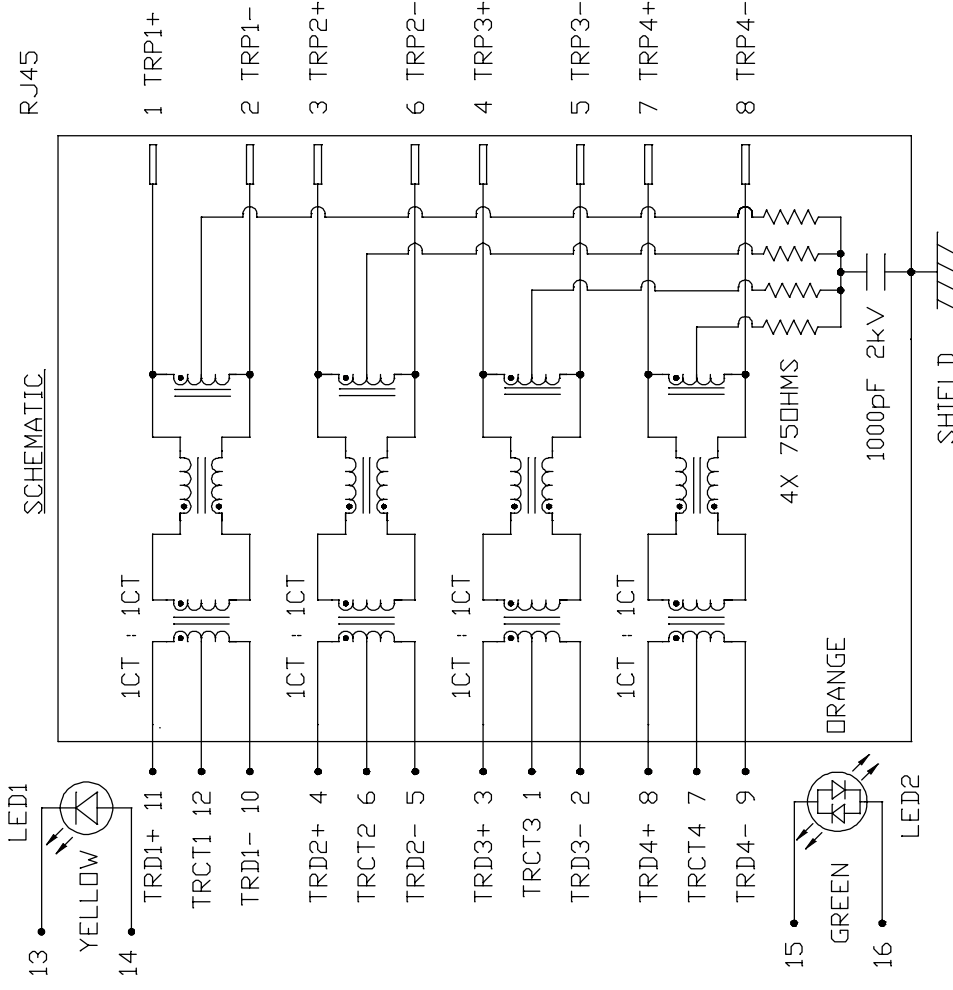
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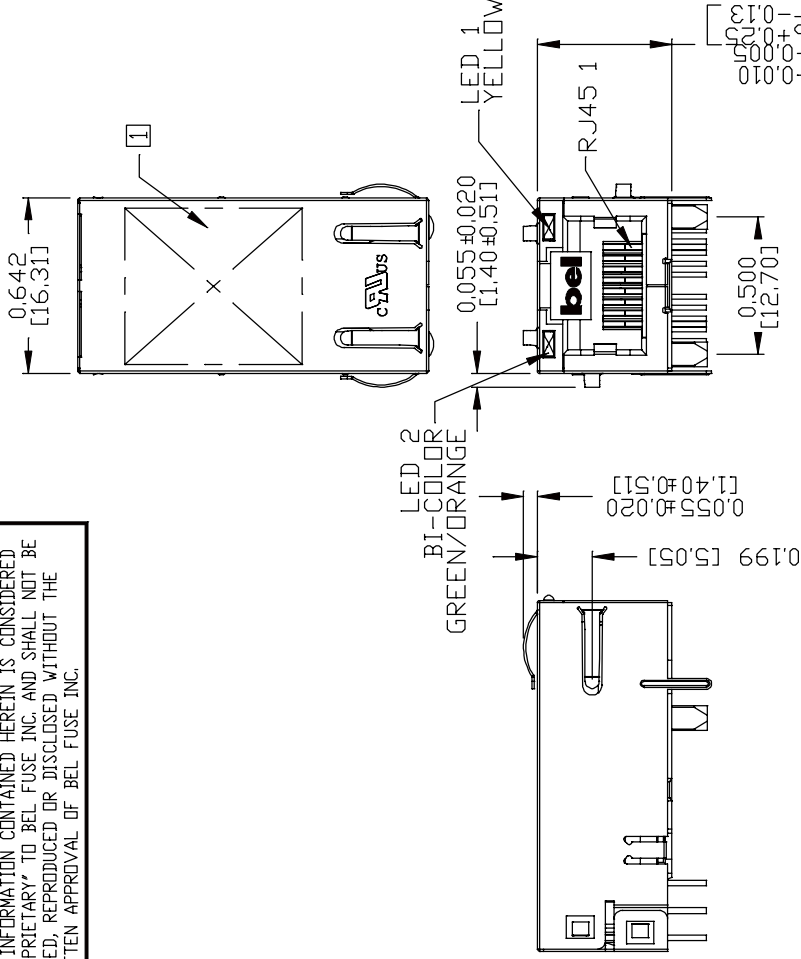
RoHS



SCHEMATIC



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NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PBT, BLACK
FLAMMABILITY RATING UL 94V-0
- CONTACTS PLATING: 50 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: NICKEL PLATED ON COPPER ALLOY
<ALL GROUND LEADS ARE SOLDER DIPPED>
- [1] MARK PART WITH MFG, LOGO, NAME, PART NUMBER AND DATE CODE.
2. THE PRODUCT IS ROHS COMPLIANT.

3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,
CANUSUL RECOGNIZED - FILE #E196366 AND E169987.
4. THE PART IS RECOMMENDED FOR WAVE SOLDERING.
THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS
260°C MAX AND 10 SECONDS MAX.

ORIGINATED BY ANTON LIAO		TITLE		PART NO. / DRAWING NO. L8261X1T23-F		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.		 bel a bel group
DATE 2018-12-19		gigabit MagJack® (Low Profile, 12 cores) L826-1X1T-23-F		FILE NAME L8261X1T23-F_D.DWG		.X		UNIT : INCH [mm]		
DRAWN BY LI QUANKUN						.XX		SCALE : N/A		
DATE 2018-12-19						.XXX		SIZE : A4		

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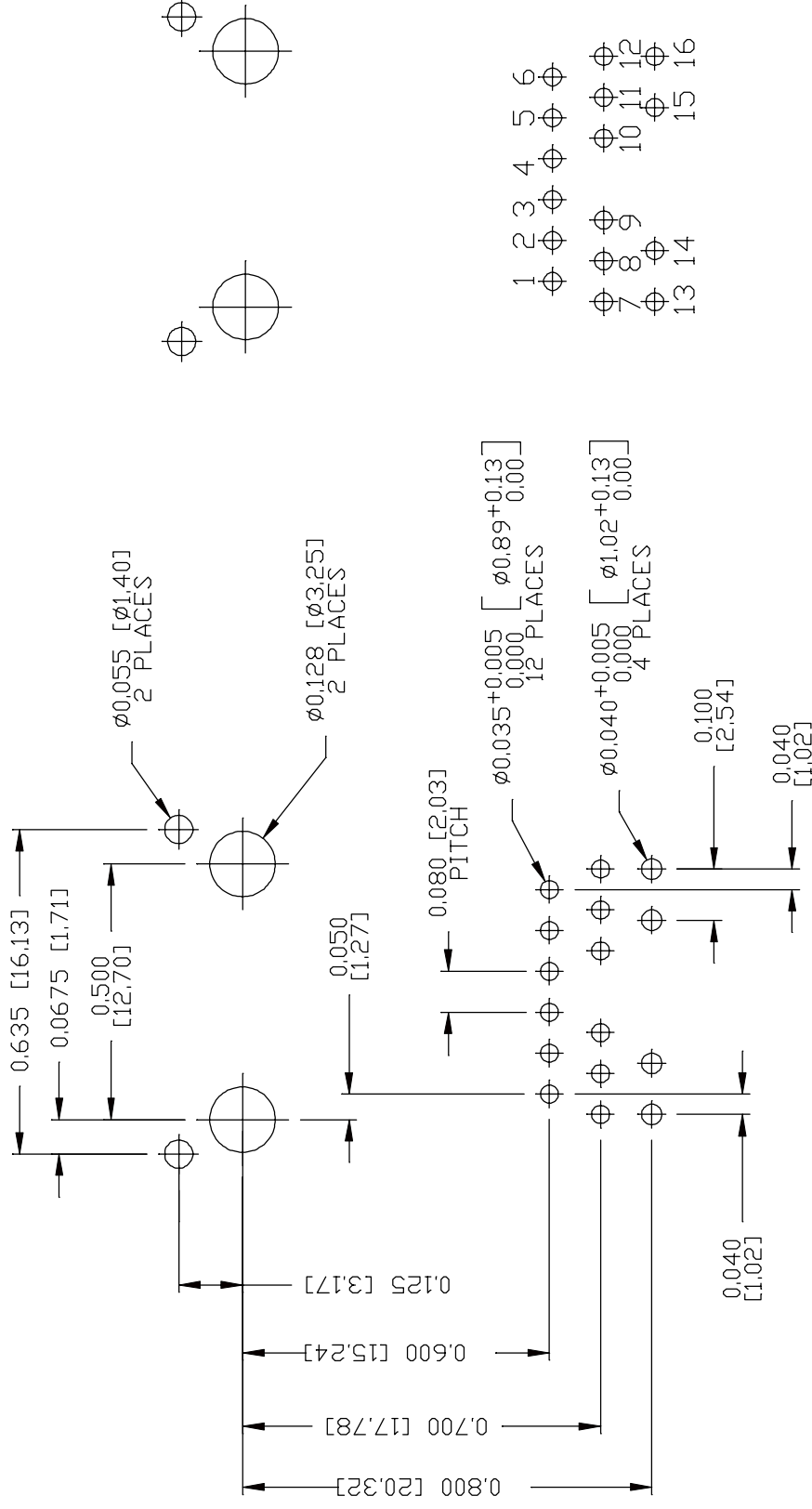


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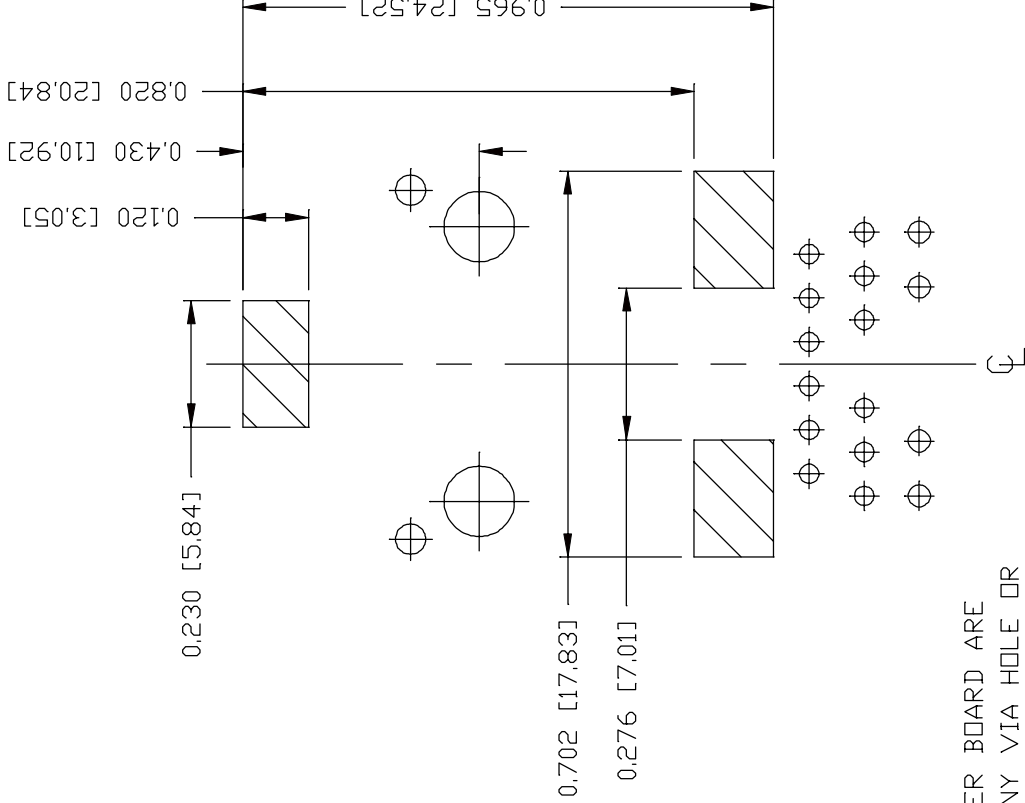
RECOMMENDED PCB FOOTPRINT
(COMPONENT SIDE VIEW)



ORIGINATED BY ANTON LIAD		TITLE gigabit MagJack® (Low Profile, 12 cores) L826-1X1T-23-F	PART NO. / DRAWING NO. L8261X1T23-F		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.		 MAGNETIC SOLUTIONS a bel group	REV. : D PAGE : 4
DATE 2018-12-19			FILE NAME		.X /		UNIT : INCH [mm]			
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DATE 2018-12-19					.XXX		SIZE : A4			
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NOTE:

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

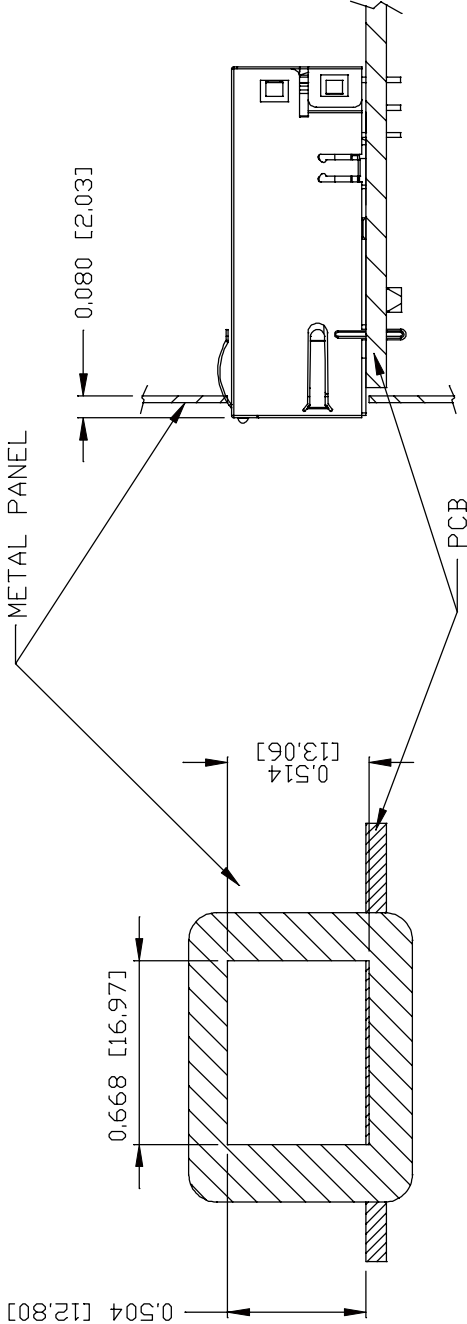
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ORIGINATED BY ANTON LIAO DATE 2018-12-19 DRAWN BY LI QUANKUN DATE 2018-12-19	TITLE glgabit MagJack® (Low Profile, 12 cores) L826-1X1T-23-F	PART NO. / DRAWING NO. L8261X1T23-F FILE NAME L8261X1T23-F_D.DWG	STANDARD DIM.		[] METRIC DIM. AS REF.	 a bel group MAGNETIC SOLUTIONS	
			TOL. IN INCH				
			.X				UNIT : INCH [mm]
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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-D6 (TOP)

0200-9999-D7 (BOTTOM)

PACKING QUANTITY: 40 PCS FINISHED GOODS PER TRAY

11 TRAYS (440 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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DATE 2018-12-19		gigabit MagJack® (Low Profile, 12 cores) L826-4X1T-23-F		FILE NAME L8261X1T23-F_D.DWG		/							
DRAWN BY LI QUANKUN						.X		UNIT : INCH [mm]					
DATE 2018-12-19						.XX		SCALE : N/A					
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