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RoHS



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

ELECTRICAL CHARACTERISTICS @ 25°C

URNS 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

CM TO CM REJ

100kHz - 100MHz	-30 dB MIN
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CM TO DM REJ

100kHz - 100MHz	-35 dB MIN
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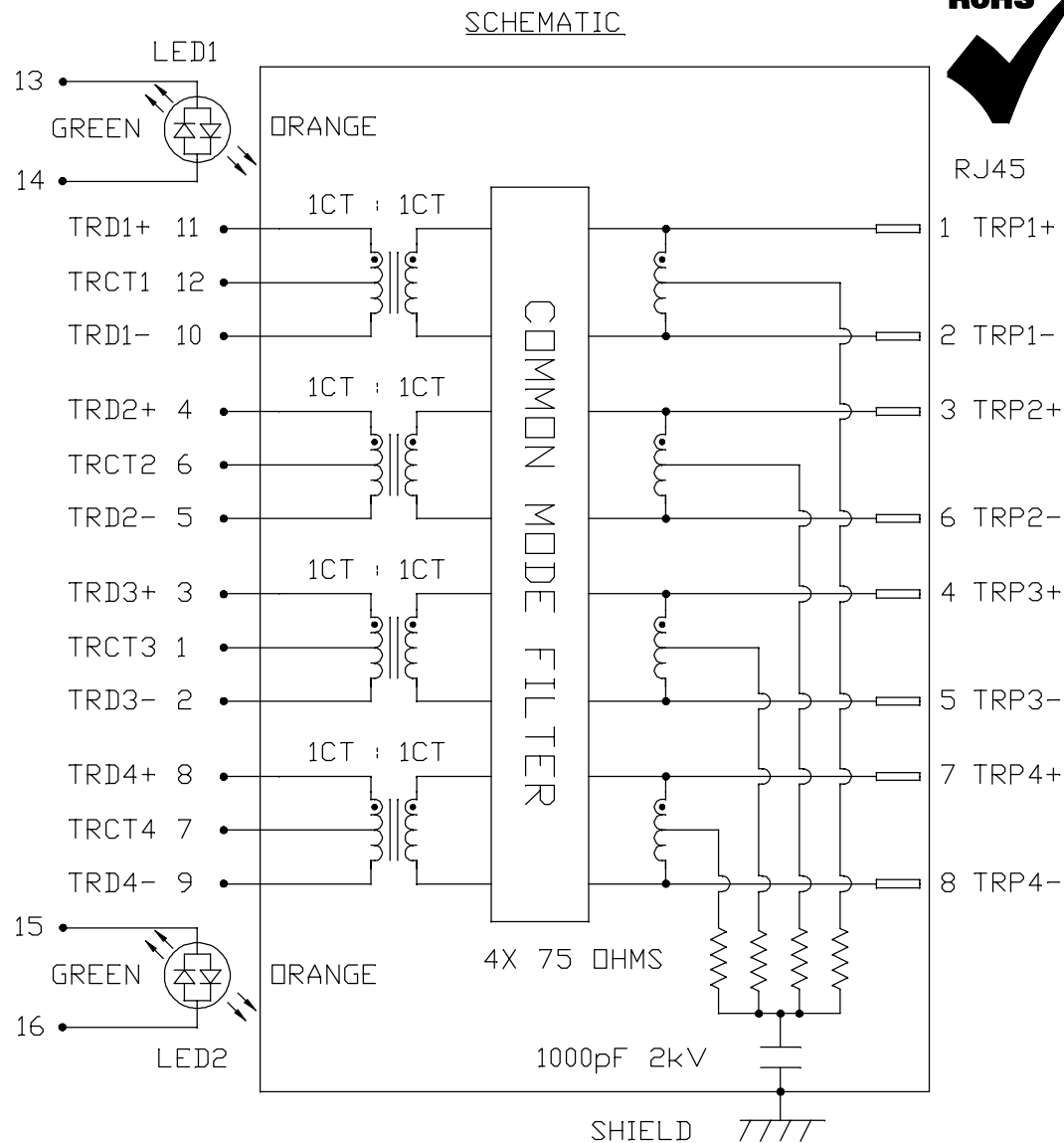
HIPOT (Isolation Voltage): 1500 Vrms or 2250VDC

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

LED 1 & 2

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
		ORANGE	2.0V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	570nm TYP.
		ORANGE	610nm TYP.

OPERATING TEMPERATURE: 0°C TO +70°C.



REV. : F PAGE : 2

ORIGINATED BY
CHOW WANCHUNG
DATE 2016-08-10
DRAWN BY
SKY YOU
DATE 2016-08-10

TITLE
gigabit MagJack®
(12 cores, Tap Up)
0826-1B1T-23-F

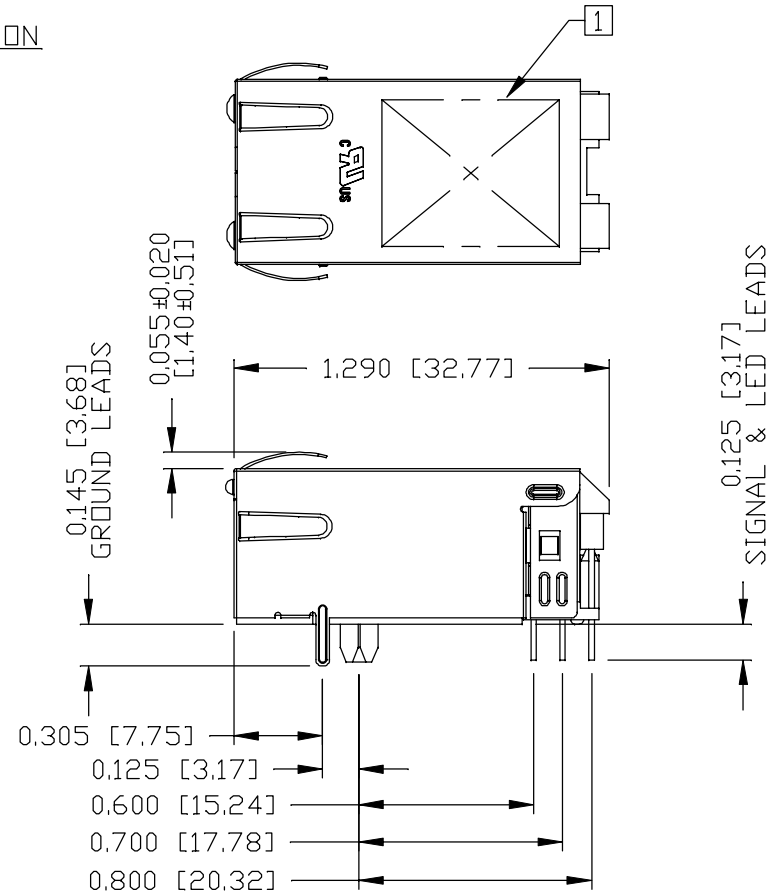
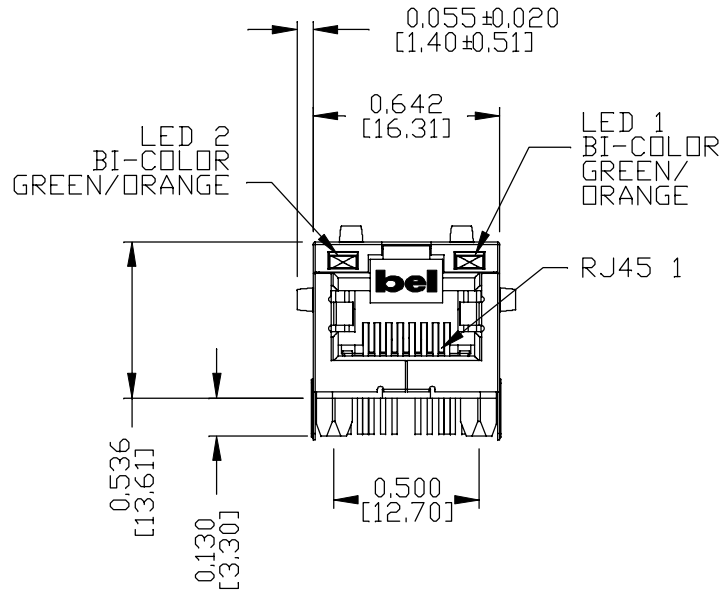
PART NO. / DRAWING NO.
08261B1T23-F
FILE NAME
08261B1T23-F_F.DWG

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



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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.
- OUTPUT PINS: 30 MICRO-INCH MIN NICKEL UNDERPLATE,
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

- cRLus** 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.

ORIGINATED BY
ANTON LIAO
DATE 2016-08-10
DRAWN BY
JESSE LI
DATE 2016-08-10

TITLE
gigabit MagJack®
(12 cores, Tap Up)
0826-1B1T-23-F

PART NO. / DRAWING NO.
08261B1T23-F
FILE NAME
08261B1T23-F_F.DWG

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

REV. : F PAGE : 3



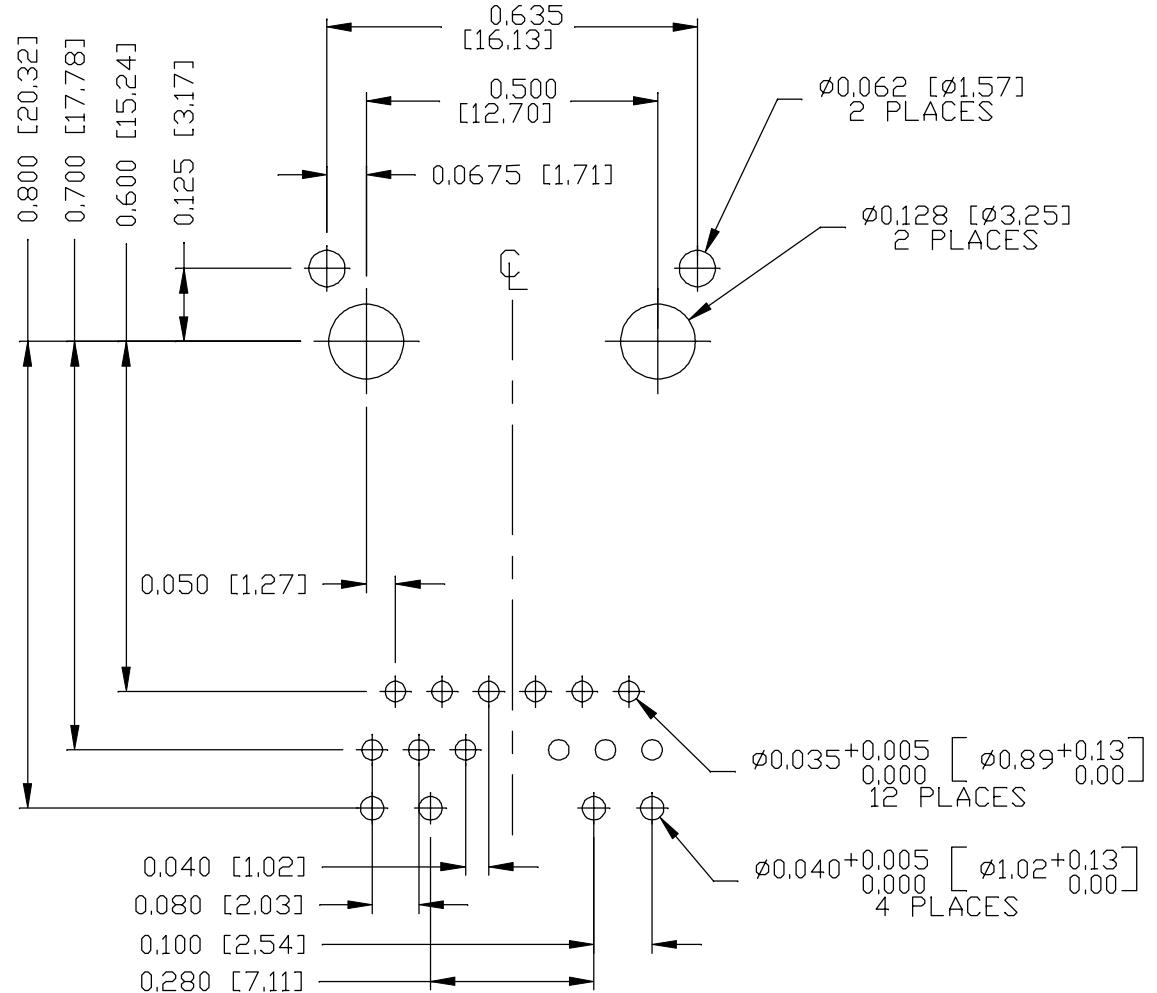
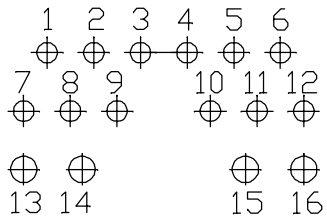
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RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

PIN ASSIGNMENT
COMPONENT SIDE VIEW



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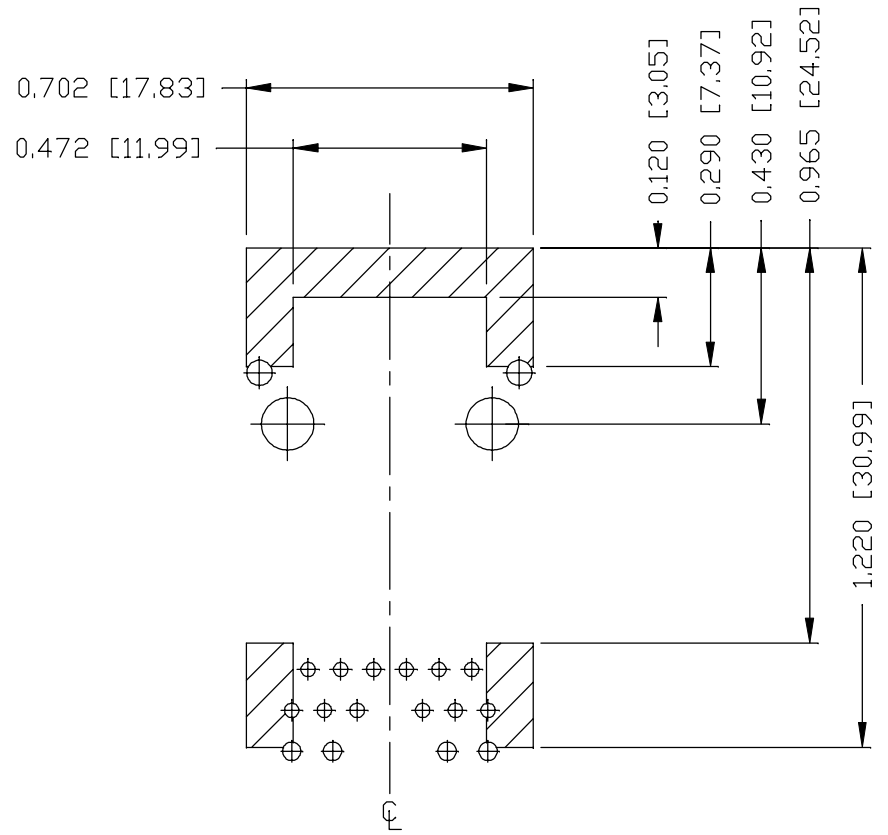
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.XXX	SIZE : A4

REV. : F PAGE : 4


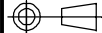


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NOTES

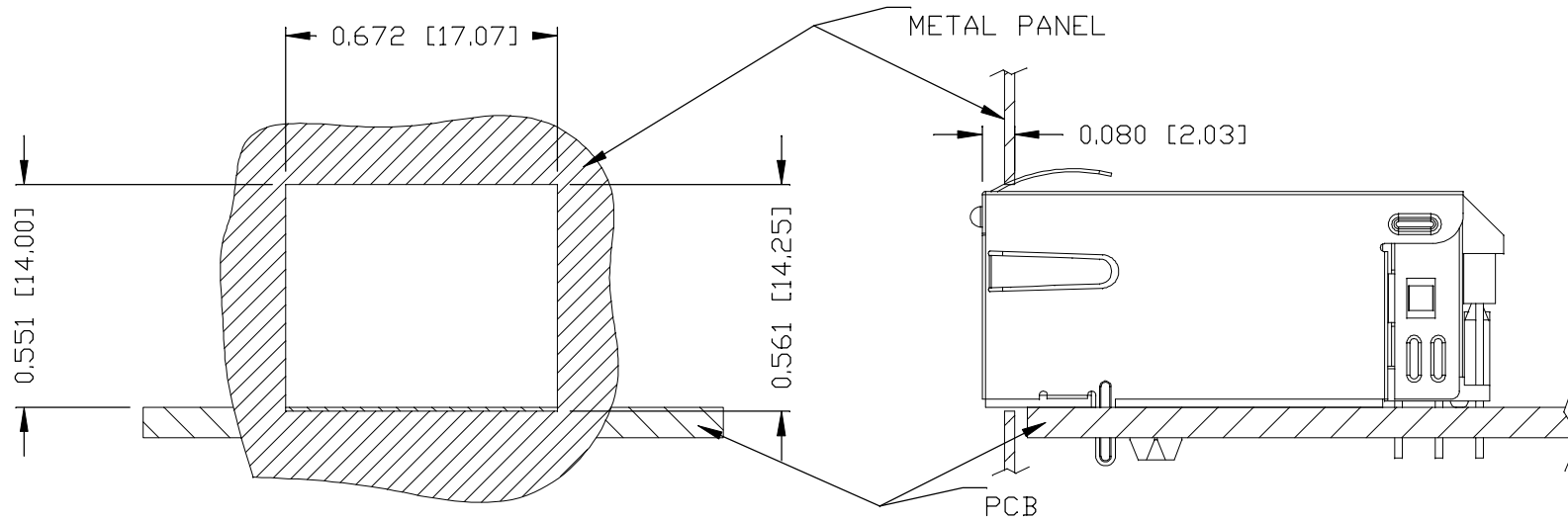
THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

ORIGINATED BY ANTON LIAO DATE 2016-08-10		TITLE gigabit MagJack® (12 cores, Tap Up) 0826-1B1T-23-F	PART NO. / DRAWING NO. 08261B1T23-F		STANDARD DIM. [] METRIC DIM. TOL. IN INCH AS REF.		REV. : F	PAGE : 5
DRAWN BY JESSE LI DATE 2016-08-10			FILE NAME 08261B1T23-F_F.DWG		.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A SIZE : A4		
					±0.004			

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SUGGESTED PANEL OPENING

RoHS



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)

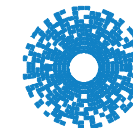
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DATE 2016-08-10
DRAWN BY
JESSE LI
DATE 2016-08-10

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	SIZE : A4



bel MAGNETIC SOLUTIONS
a bel group