

THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

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



RJ45

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

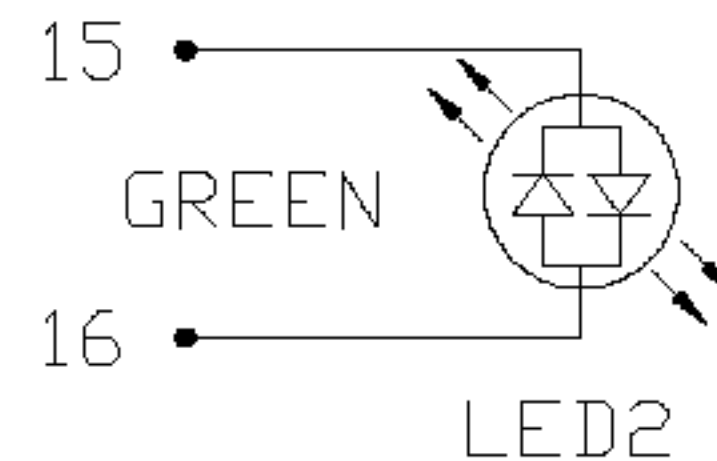
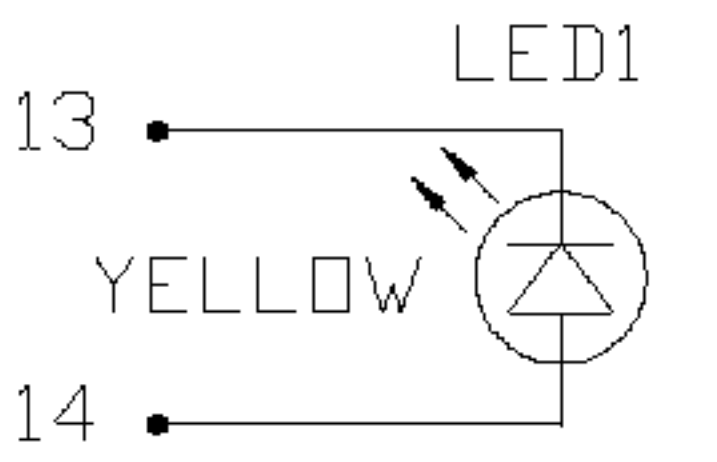
Cross Talk

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

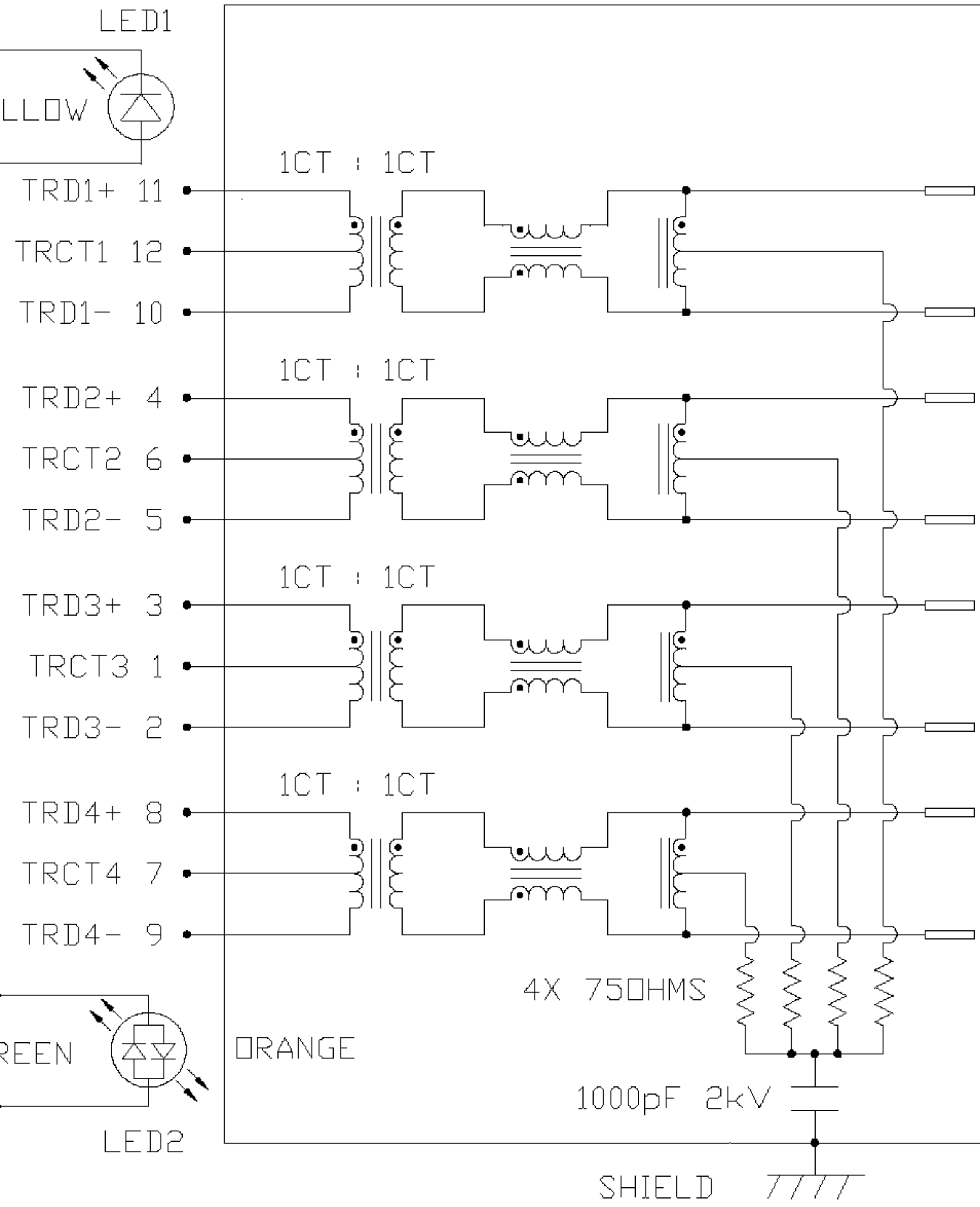
CM TO DM REJ

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

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.



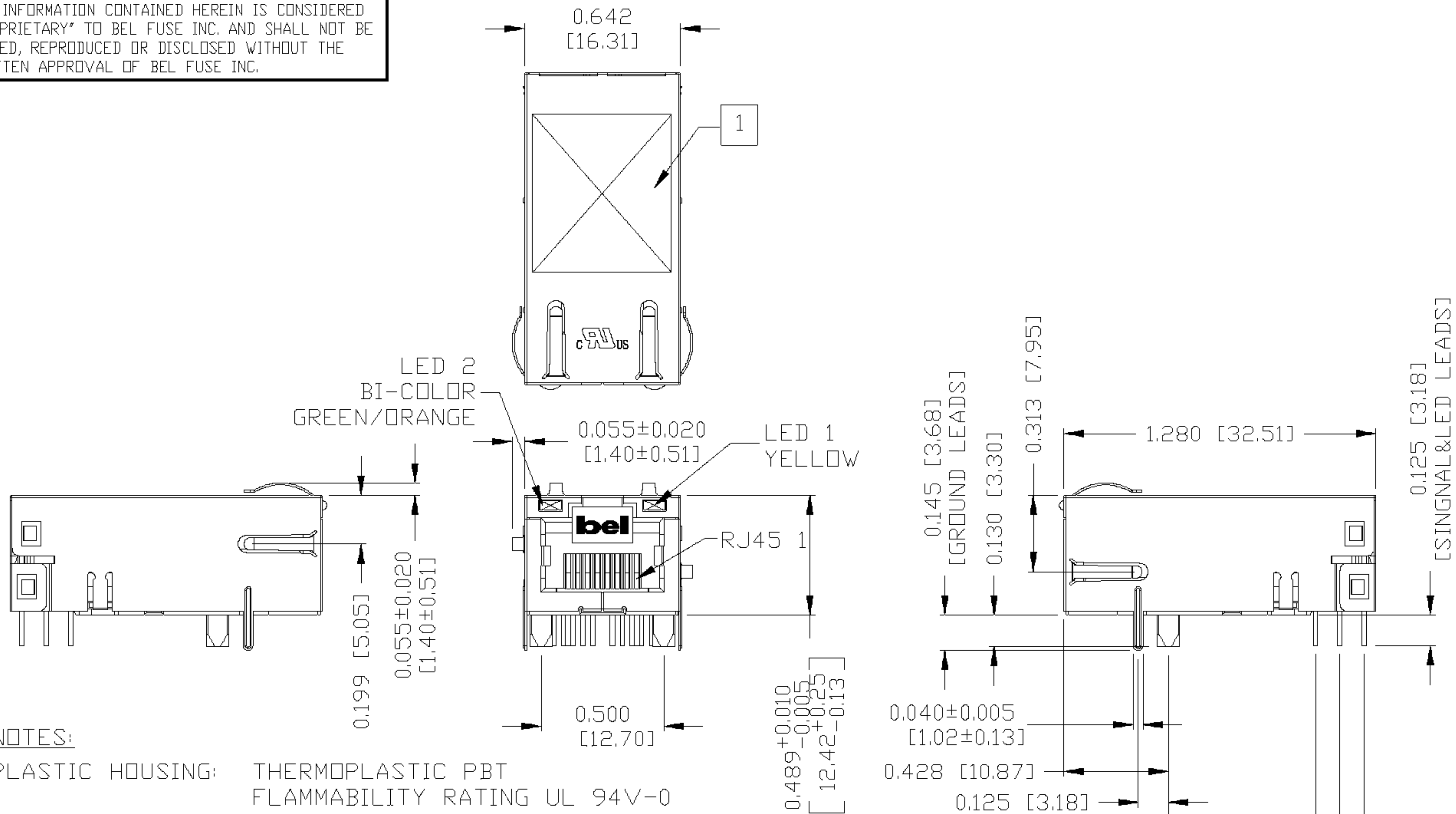
SCHEMATIC



ORIGINATED BY CHUNG	DATE 01-05-07	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 REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
DRAWN BY DE	DATE 01-05-07		FILE NAME L8261X1T23-FB.DWG	.X		UNIT : INCH [mm]		REV. : B	
				.XX		SCALE : N/A		SIZE : A4	
				.XXX			PAGE : 2		

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RoHS
2002/95/EC



NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING
PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY
(ALL GROUND LEADS ARE SOLDER DIPPING)

[1] MARK PART WITH MFG. LOGO; MFG. NAME; PART NUMBER; DATE CODE.
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

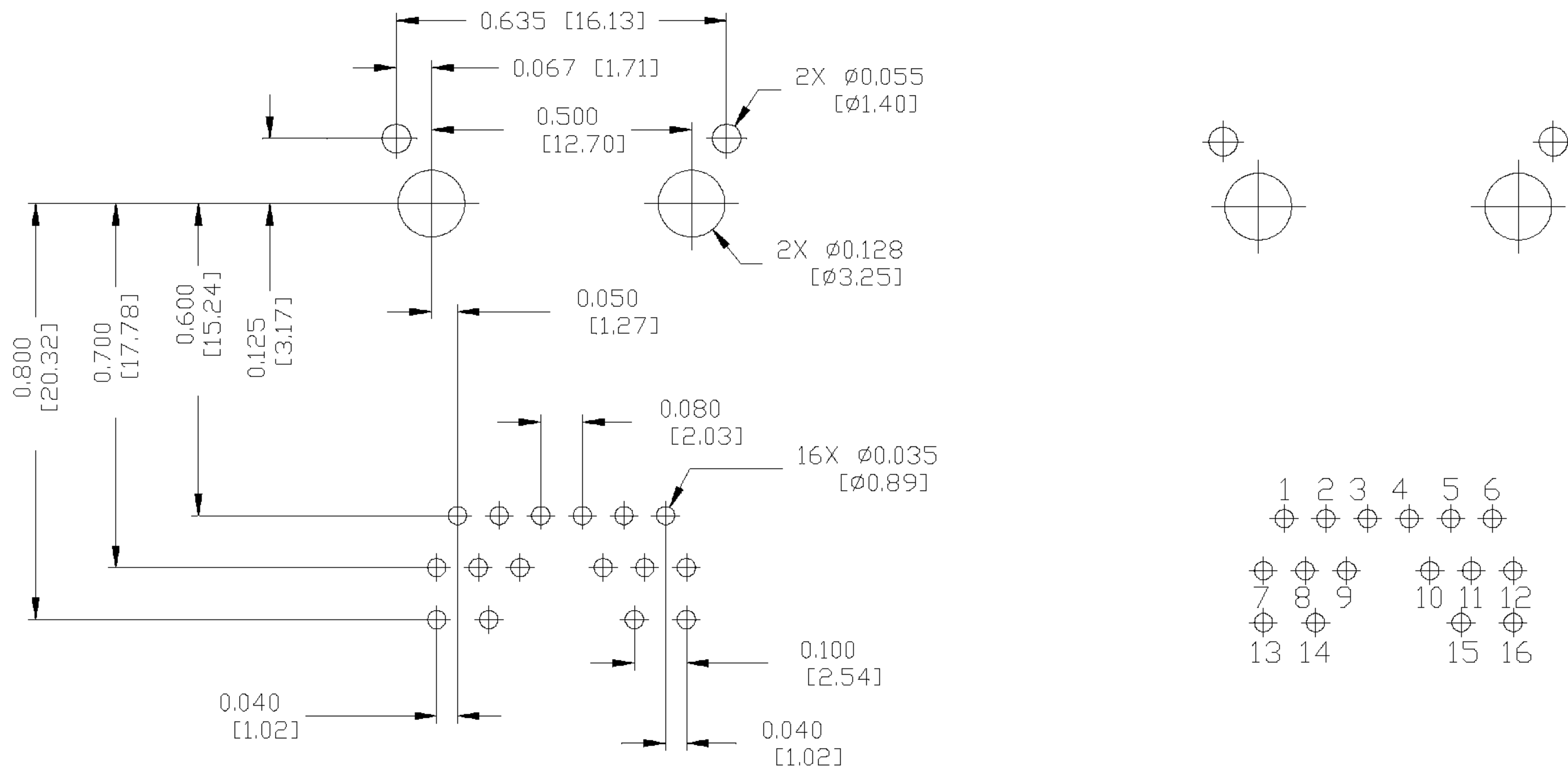
 UL RECOGNIZED - FILE #E196366 AND E169987.

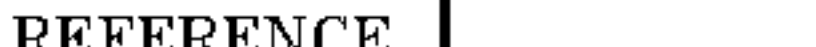
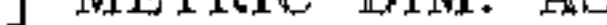
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : B
CHRIS/BILL	01-05-07	gigabit MagJack® (Low Profile, 12 cores) L826-1X1T-23-F	L8261X1T23-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX			PAGE : 3
TING	01-05-07			.XXX	±0.010		



RoHS
2002/95/EC

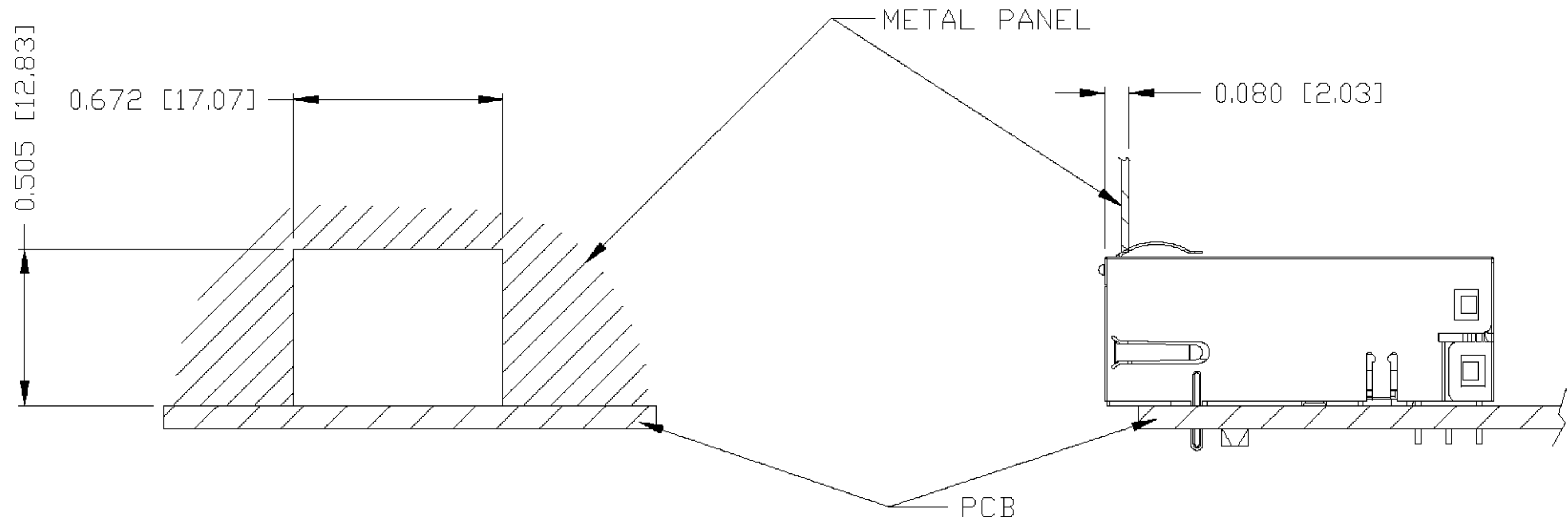
(COMPONENT SIDE VIEW)



ORIGINATED BY	DATE	TITLE gigabit MagJack® (Low Profile, 12 cores) L826-1X1T-23-F	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET 	
CHRIS/BILL	01-05-07		L8261X1T23-F	TOL. IN INCH		UNIT : INCH [mm]			REV. : B
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A			SIZE : A4
TING	01-05-07		L8261X1T23-FB.DWG	.XX					PAGE : 4
				.XXX	±0.004				



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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DRAWN BY	DATE			.XX		SCALE : N/A		SIZE : A4	
TING	01-05-07			.XXX		 ±0.004		PAGE : 5	

