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"PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE
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WRITTEN APPROVAL OF BEL FUSE INC.

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

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

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

□CL @ 100kHz/100mVRMS
8mA DC BIAS

350mH 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):

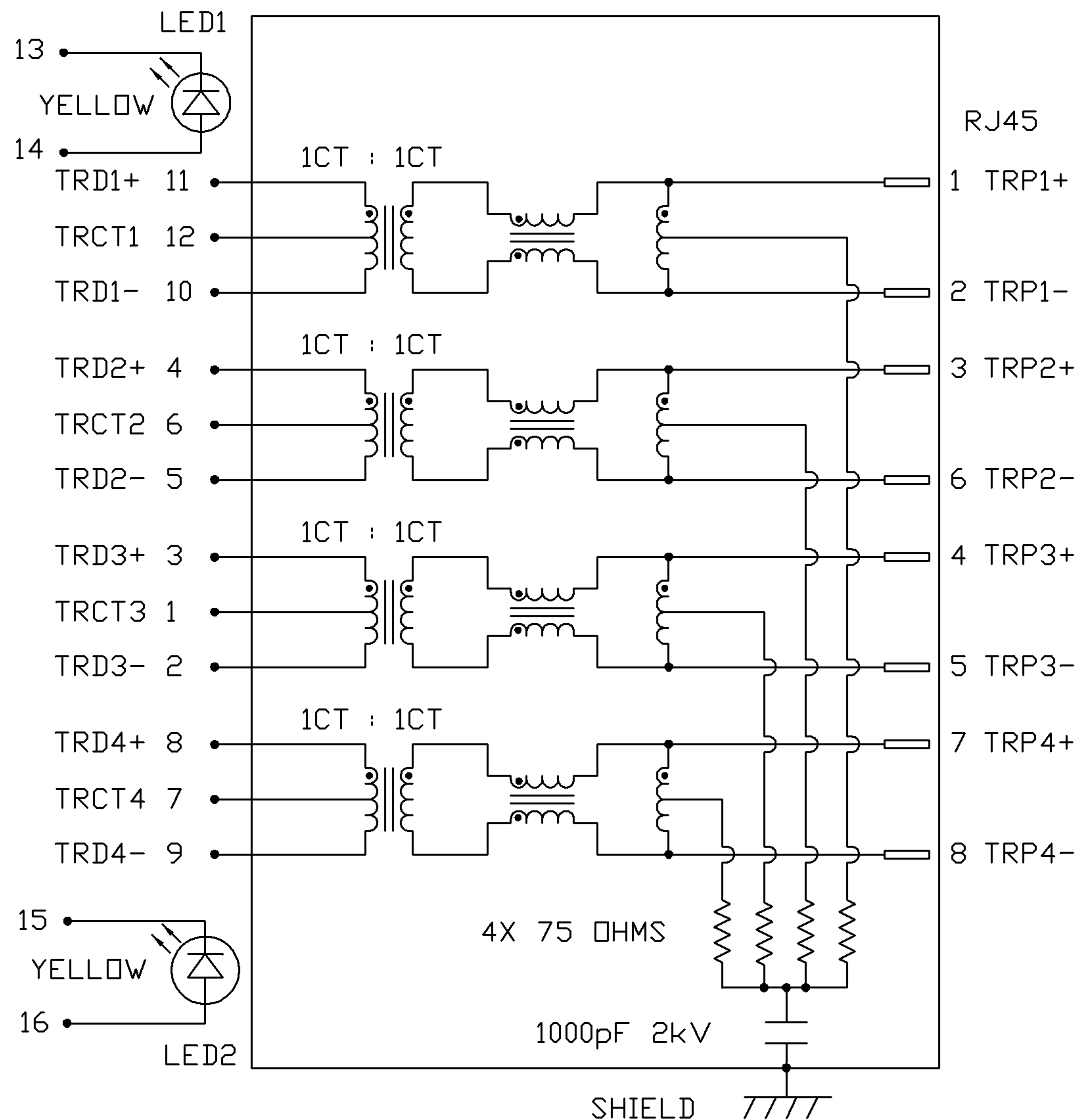
1500 Vrms or 2250VDC

LED 1 & 2

VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP.

LD (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP.

SCHEMATIC



ORIGINATED BY DATE
WANCHUNG CHOW 07-28-08

TITLE

gigabit MagJack®
(12 cores, Tab Up)

PART NO. / DRAWING NO.
0826-1Y1T-23

FILE NAME
0826-1Y1T-23_E.DWG

STANDARD DIM.
TOL. IN INCH

.X
.XX
.XXX

[] METRIC DIM. AS REFERENCE

UNIT : INCH [mm]

SCALE : N/A

⊕ ⊖

REV. : E

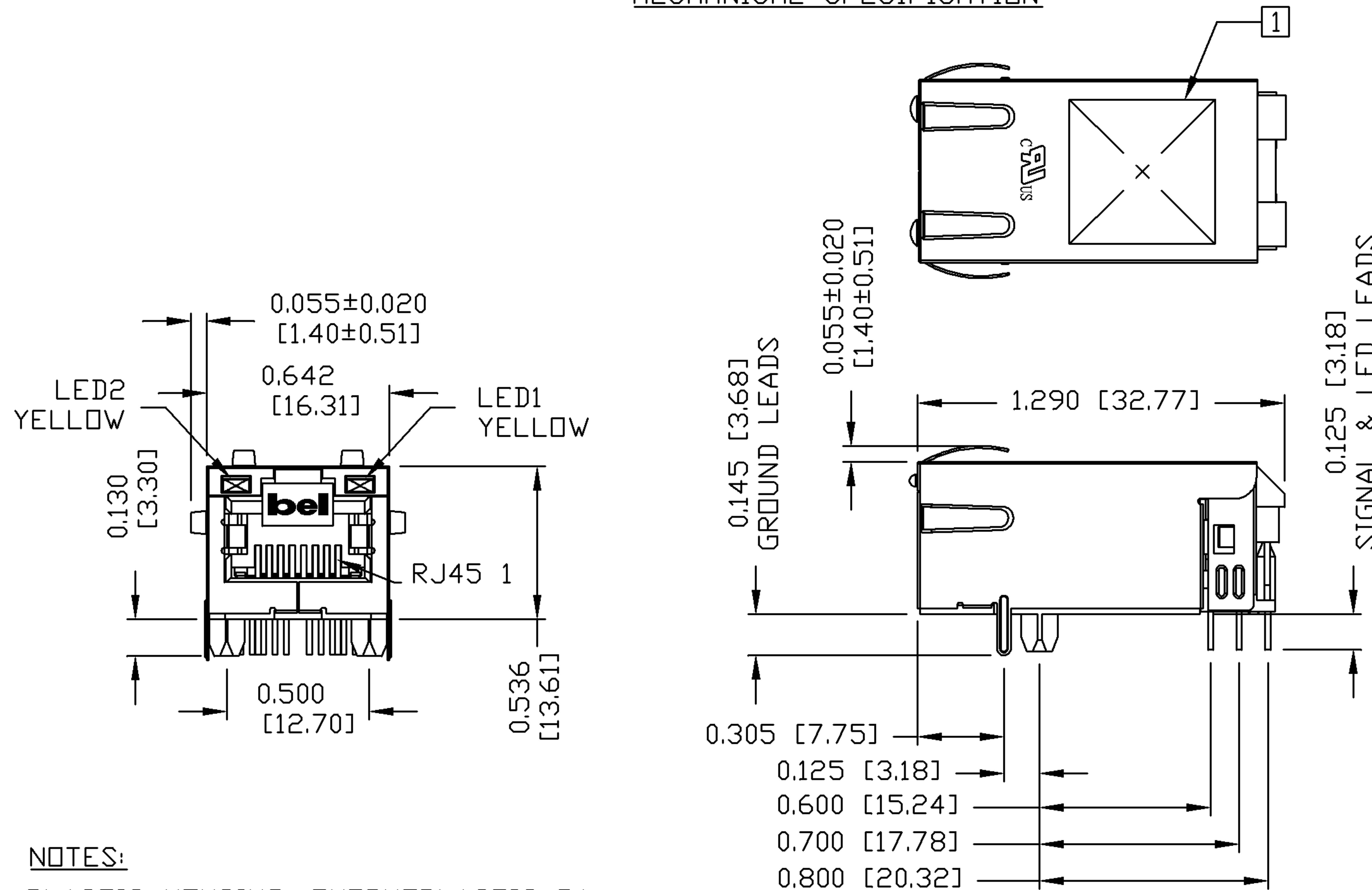
SIZE : A4

PAGE : 2

bel
COMPONENTS FOR A
CONNECTED
PLANET

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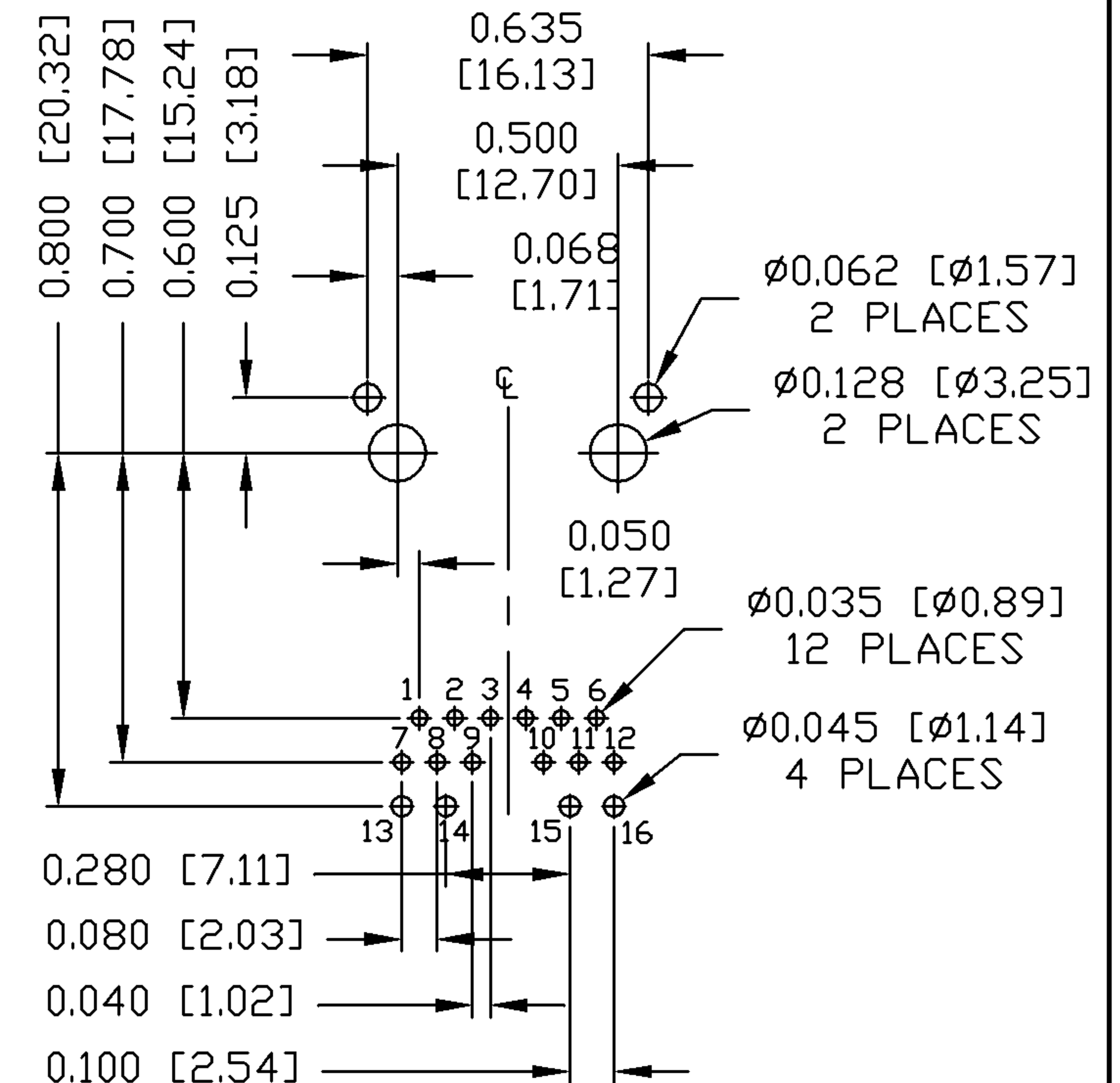
MECHANICAL SPECIFICATION



NOTES:

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

RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW



1 MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.

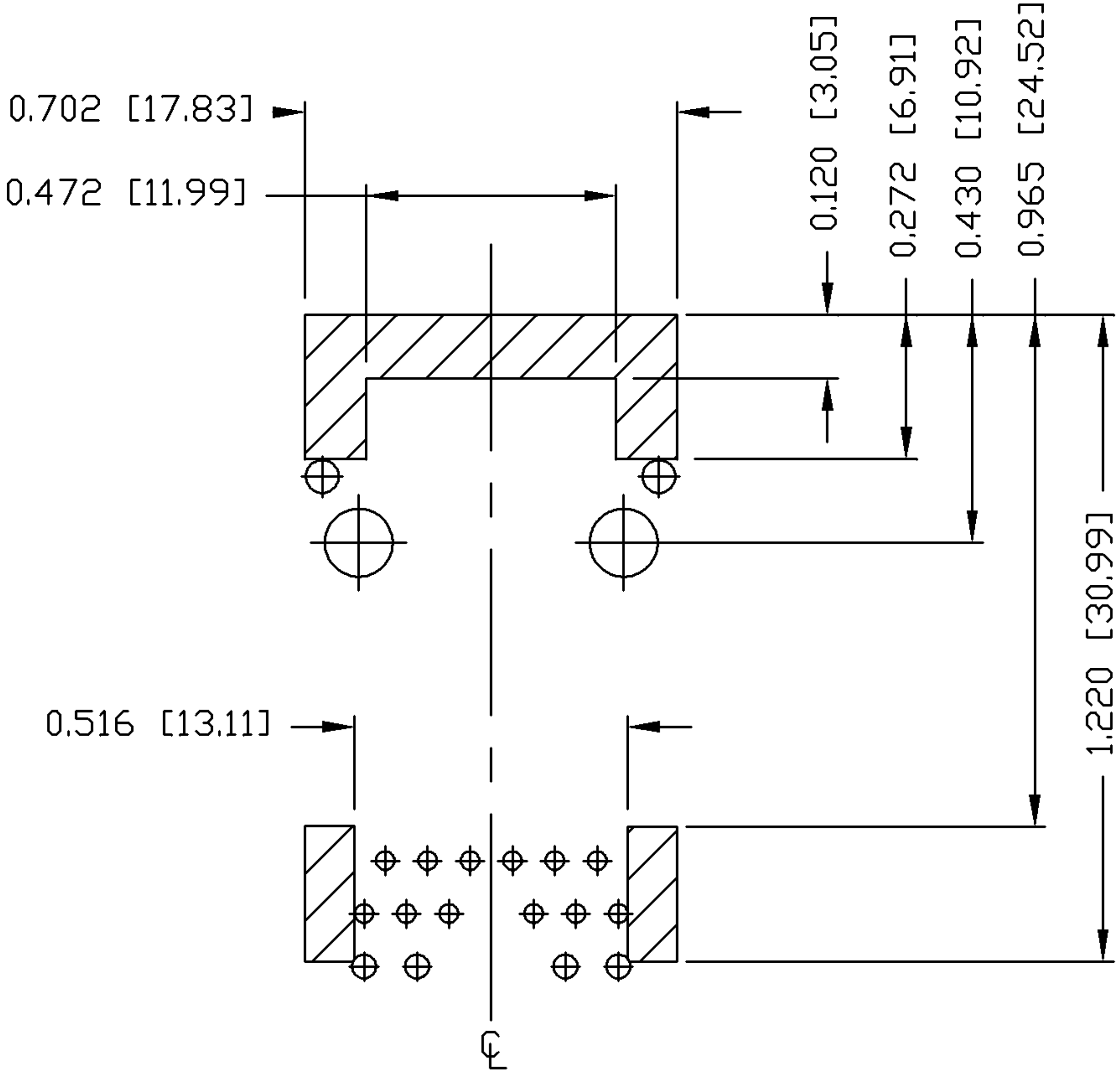


US UL RECOGNIZED - FILE #E196366 AND E169987.
 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

ORIGINATED BY ZX HUANG	DATE 07-28-08	TITLE gigabit MagJack® (12 cores, Tab Up)	PART NO. / DRAWING NO. 0826-1Y1T-23	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
DRAWN BY BL CHEN	DATE 07-28-08		FILE NAME 0826-1Y1T-23_E.DWG	.X		UNIT : INCH [mm]	REV. : E
				.XX		SCALE : N/A	SIZE : A4
				.XXX		±0.010	
 COMPONENTS FOR A CONNECTED PLANET							



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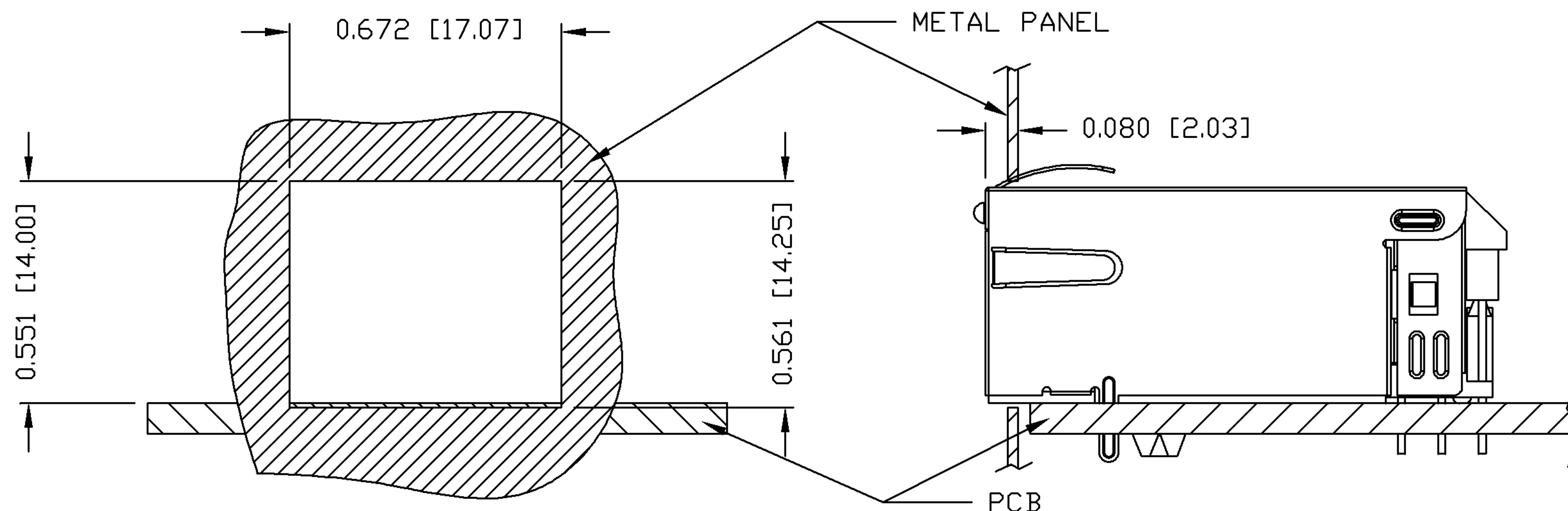
NOTES

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

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BILL CHEN	07-28-08		FILE NAME 0826-1Y1T-23_E.DWG		.X		UNIT : INCH [mm]	REV. : E	
DRAWN BY	DATE				.XX		SCALE : N/A	SIZE : A4	
ZX HUANG	07-28-08				.XXX	±0.004		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)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
ZX HUANG	07-28-08	gigabit MagJack® (12 cores, Tab Up)	0826-1Y1T-23		UNIT : INCH [mm] REV. : E
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A SIZE : A4
BL CHEN	07-28-08		0826-1Y1T-23_E.DWG	.XX	PAGE : 5
				.XXX ±0.004	

