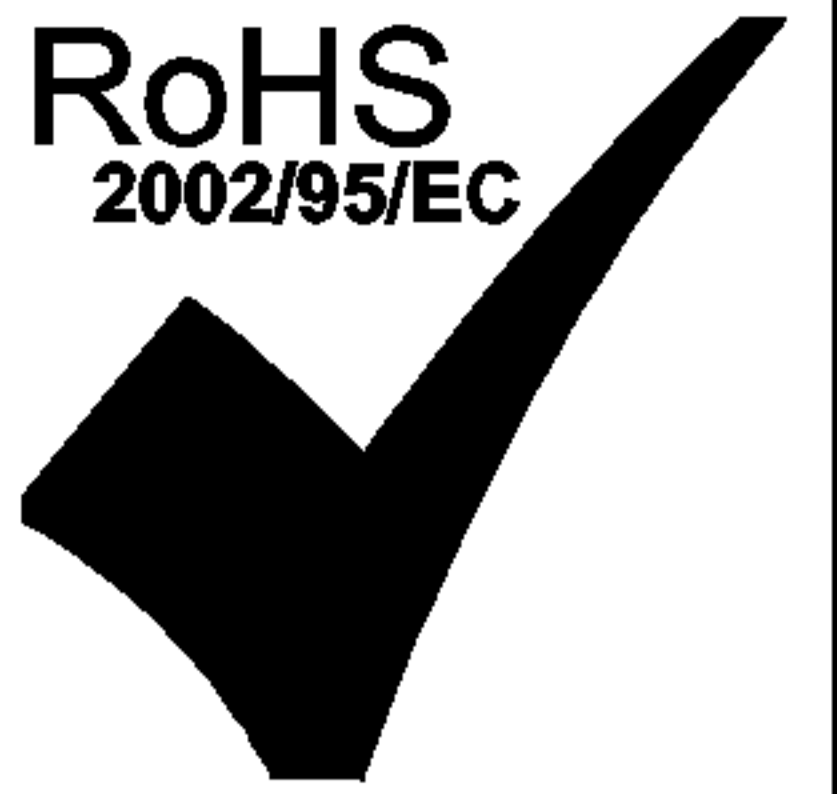


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LED POLARITY		
PIN 11	PIN 12	COLOR
+	-	YELLOW
-	+	GREEN



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 350 μH 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):

1500 Vrms

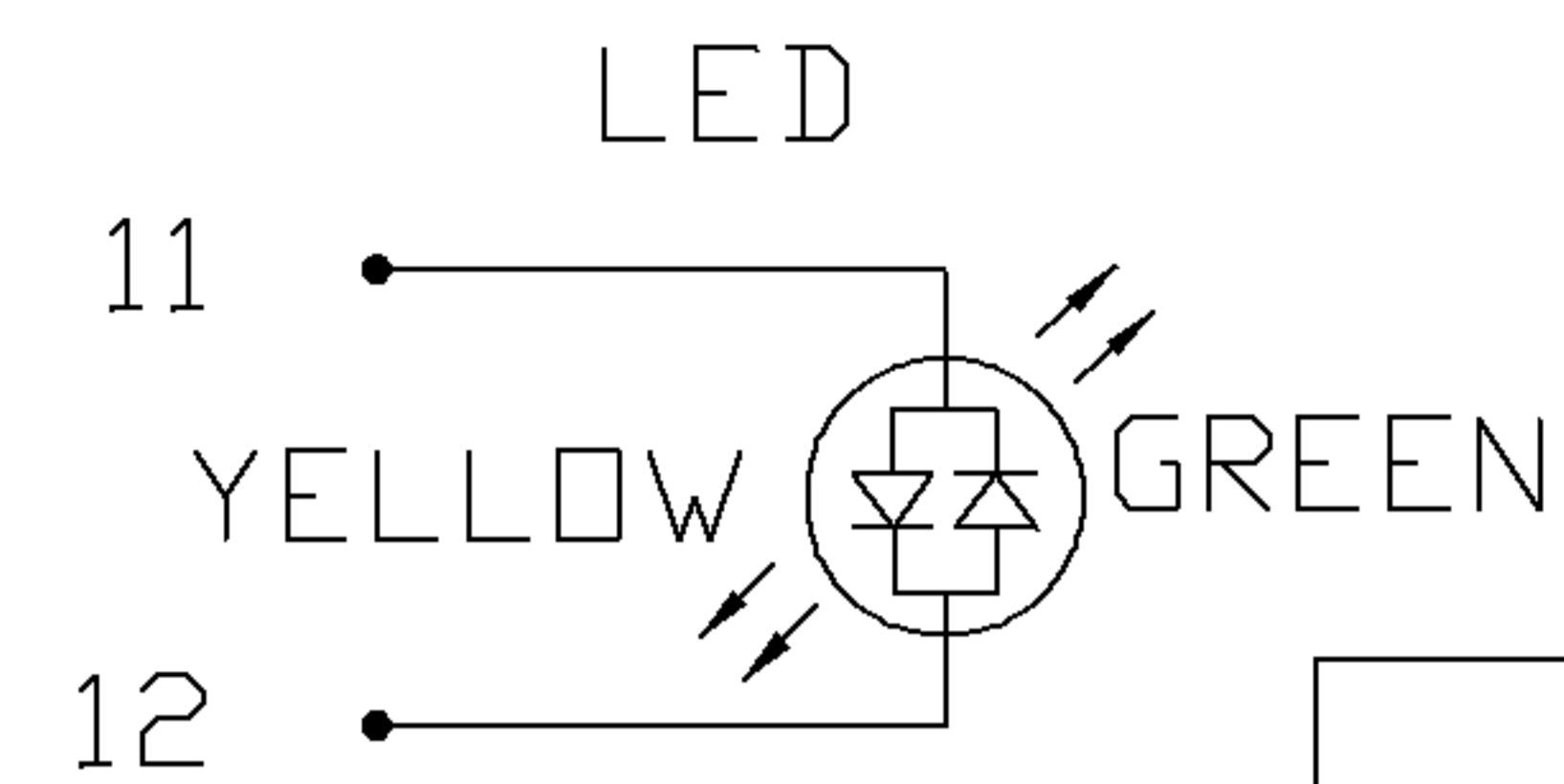
100% OF PRODUCTION TESTED TO COMPLY WITH

IEEE 802.3 ISOLATION REQUIREMENTS.

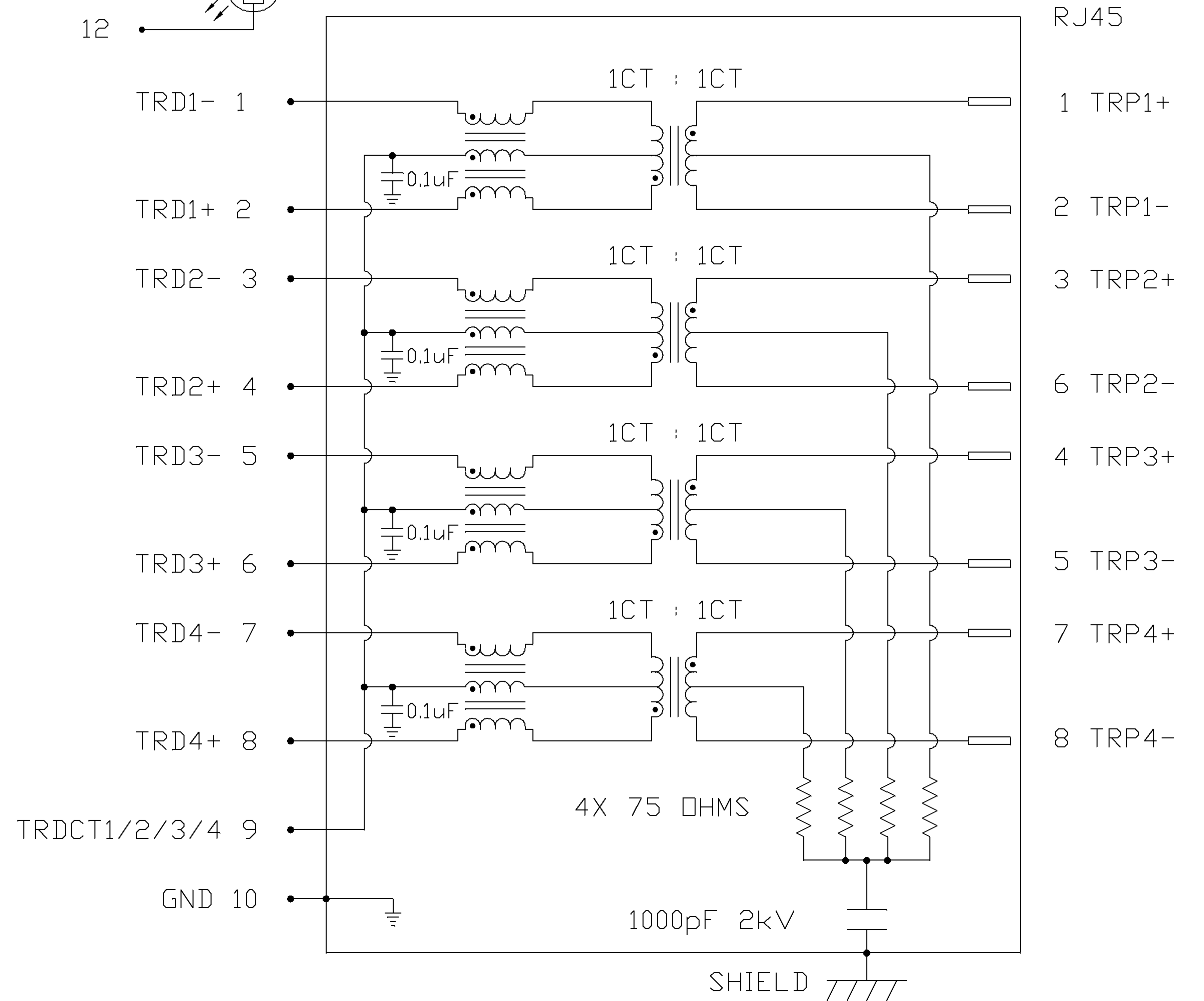
LED

VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.  
YELLOW 2.1V TYP.

λD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.  
YELLOW 590nm TYP.



SCHEMATIC

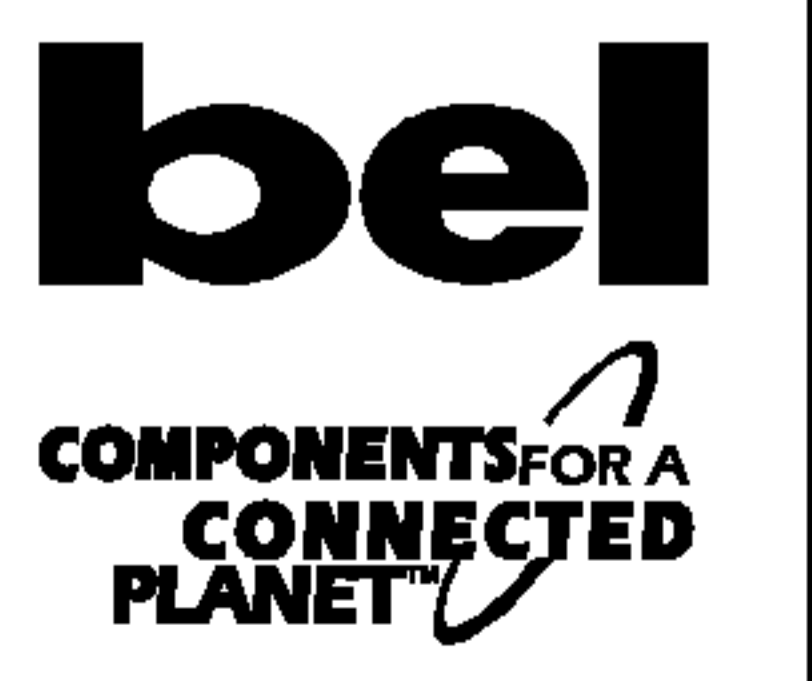


ORIGINATED BY	DATE	TITLE
CHOW WANCHUNG	01-12-08	2X8 gigabit MagJack® (8 Cores, with LED)
DENG PING	01-12-08	

PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE
08632C8R54-F	.X	UNIT : INCH [mm]
FILE NAME	.XX	SCALE : N/A
08632C8R54-F_B.DWG	.XXX	SIZE : A4
		PAGE : 2

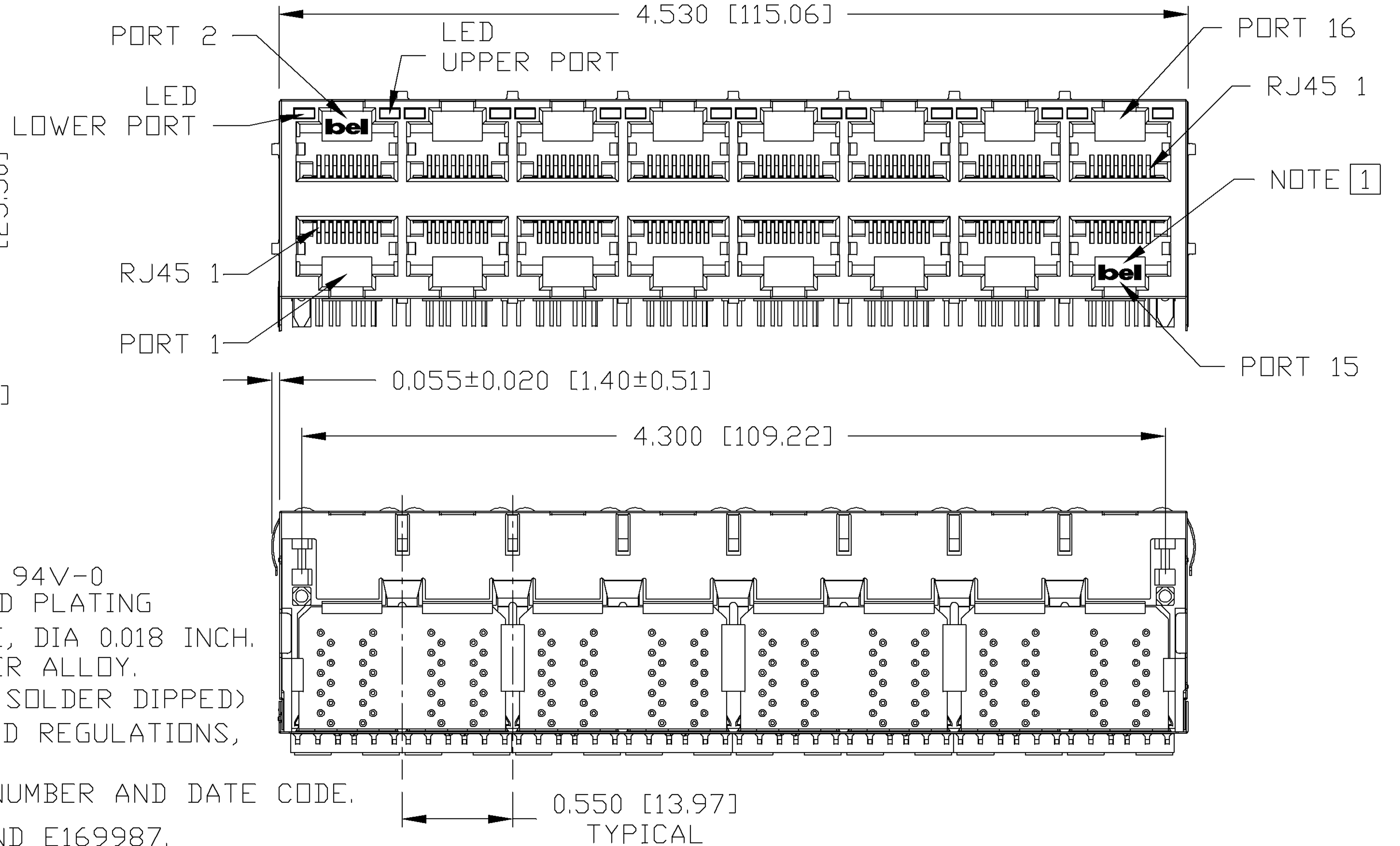
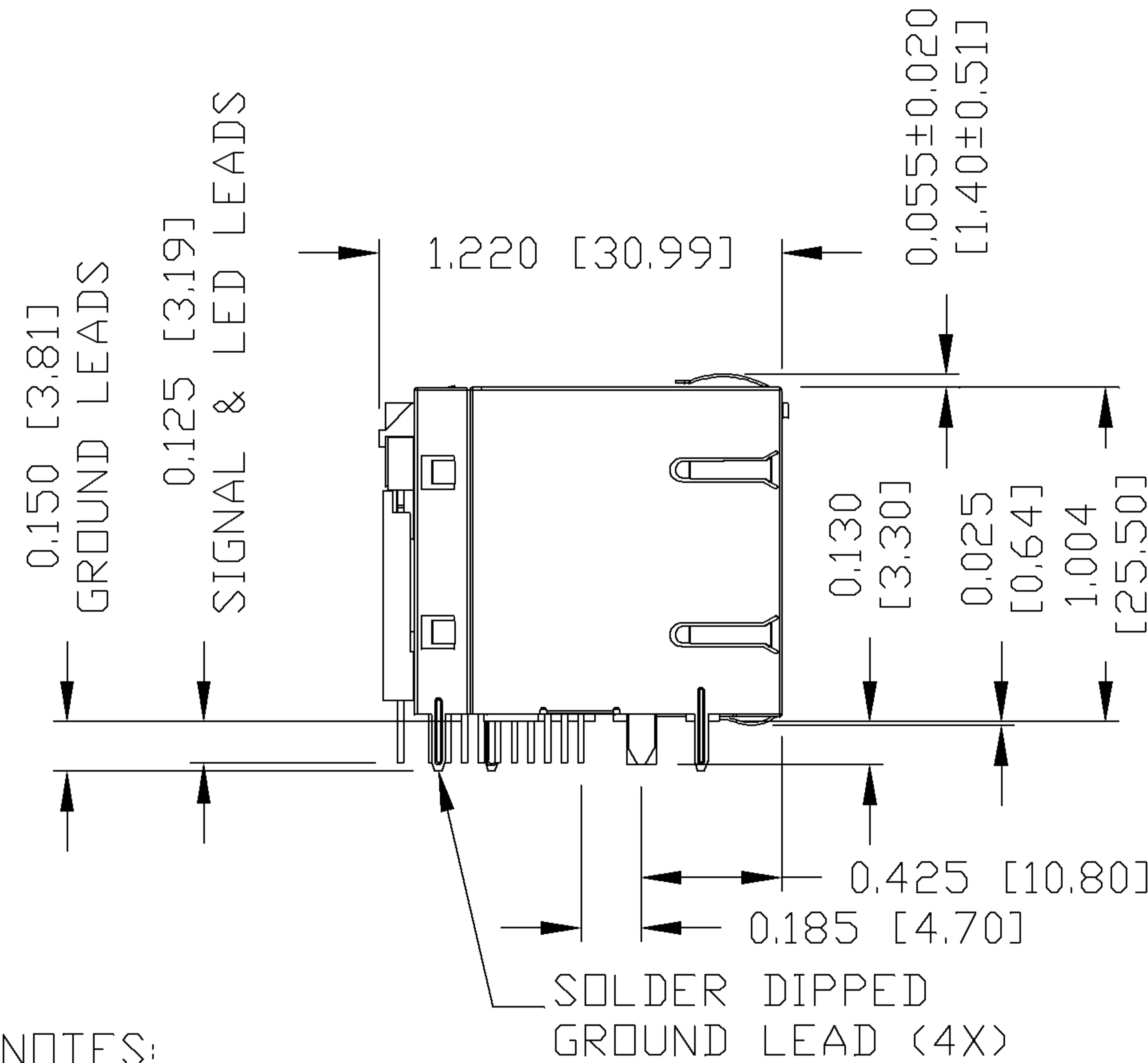
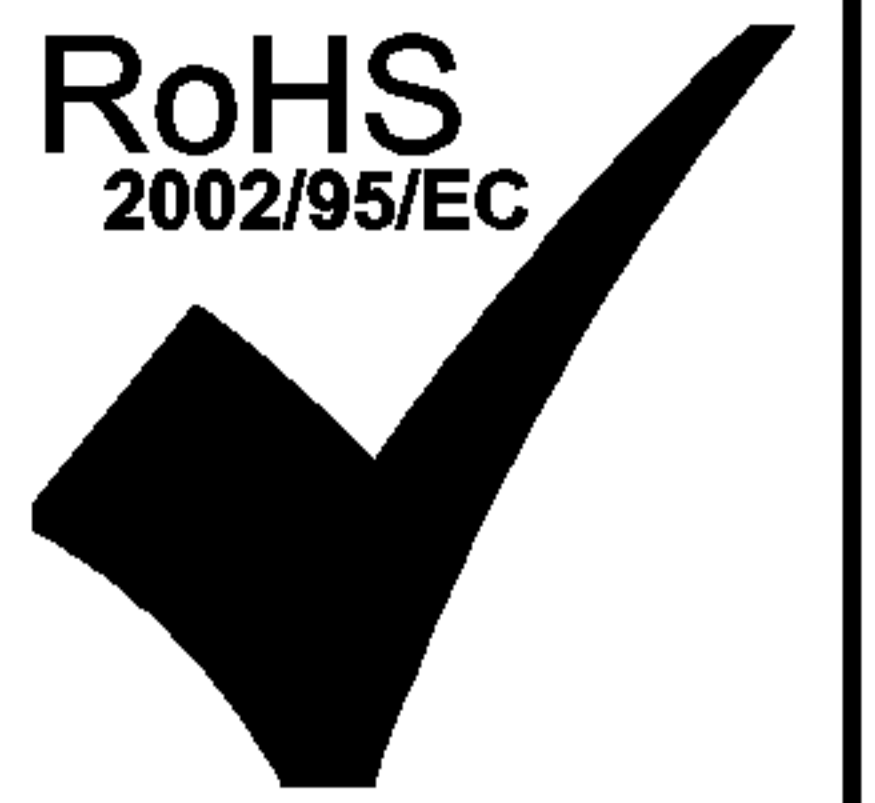
REV. : B
SIZE : A4
PAGE : 2

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NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT  
 FLAMMABILITY RATING UL 94V-0  
 CONTACT PLATING: 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)

- [1] JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
- [2] MARK PART WITH MFG LOGO, NAME, PART NUMBER AND DATE CODE.

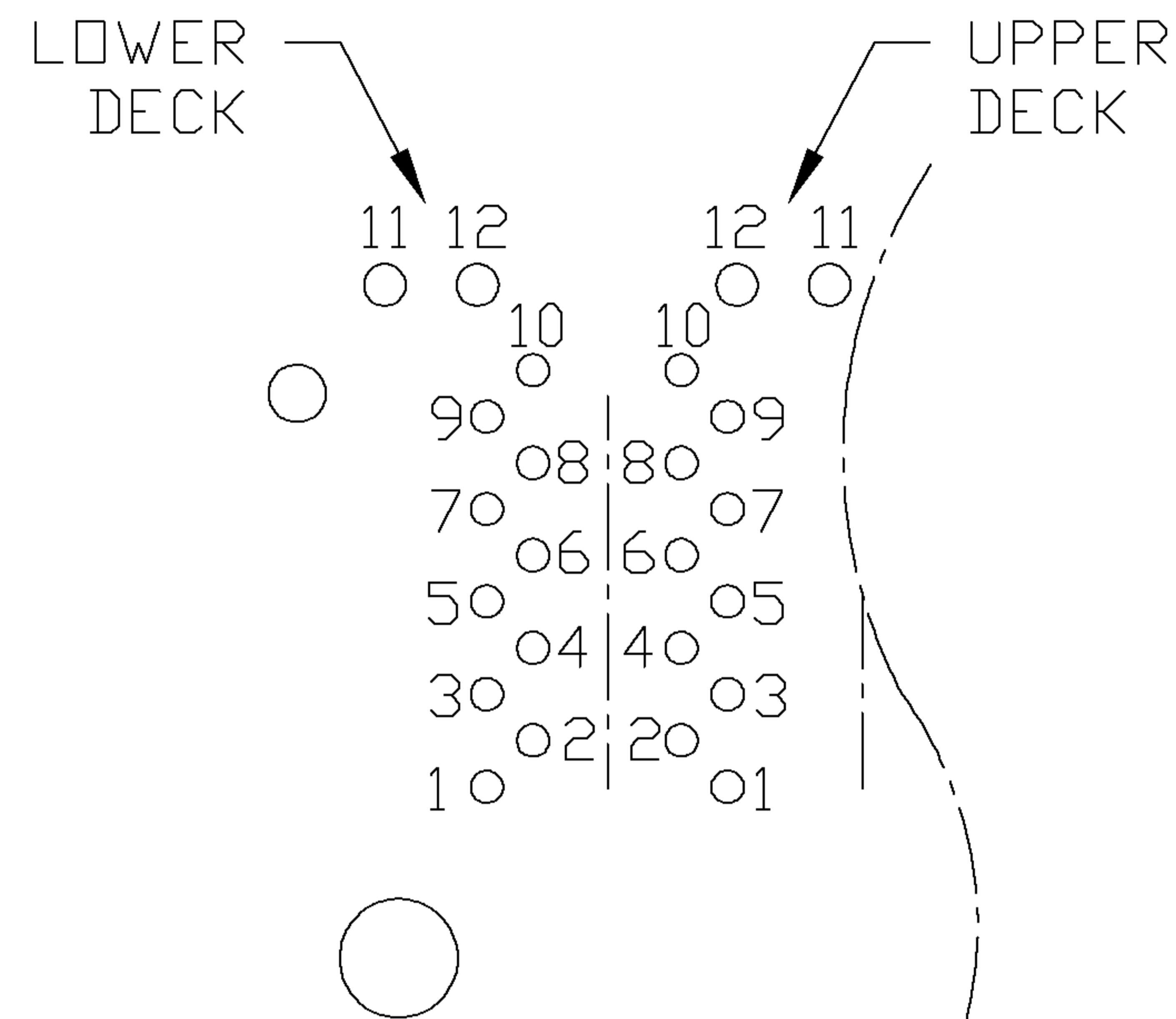
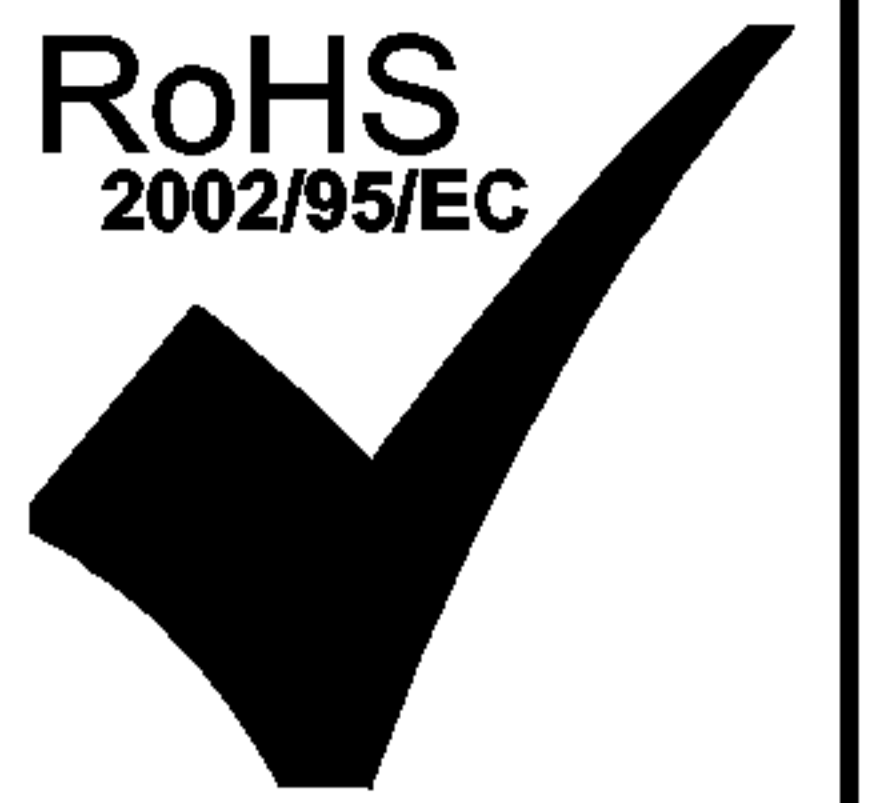
UL RECOGNIZED - FILE #E196366 AND E169987.

3. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

ORIGINATED BY CHEN BILL	DATE 01-12-08	TITLE 2X8 gigabit MagJack® (8 Cores, with LED) 0863-2C8R-54-F	PART NO. / DRAWING NO. 08632C8R54-F	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
DRAWN BY LIU QIN	DATE 01-12-08		FILE NAME 08632C8R54-F_B.DWG	.X .XX .XXX	±0.010	UNIT : INCH [mm]	
					SCALE : N/A	SIZE : A4	
					PAGE : 3		

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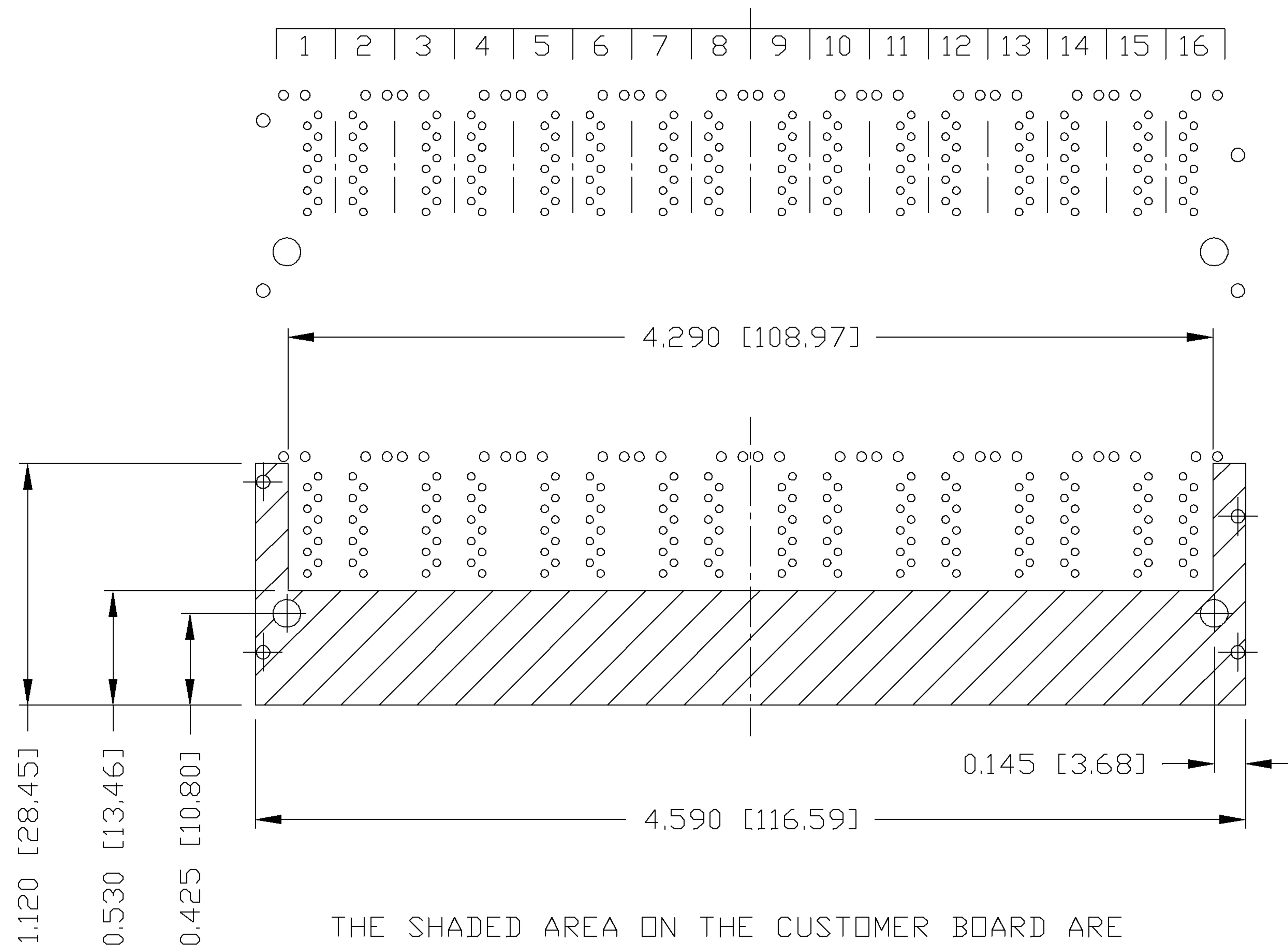
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PIN-OUT INFORMATION  
(COMPONENT SIDE VIEW)

12	GRN (+)/YEL (-)
11	GRN (-)/YEL (+)
10	GND
9	TRCT1/2/3/4
8	TRD 4+
7	TRD 4-
6	TRD 3+
5	TRD 3-
4	TRD 2+
3	TRD 2-
2	TRD 1+
1	TRD 1-

PORT ASSIGNMENT  
(COMPONENT SIDE VIEW)



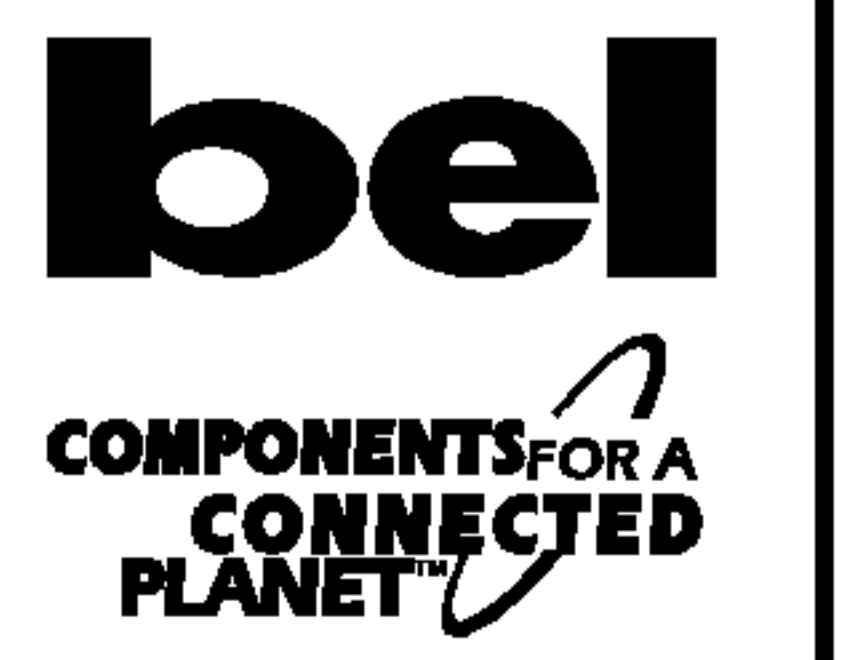
THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

ORIGINATED BY CHEN BILL	DATE 01-12-08
DRAWN BY LIU QIN	DATE 01-12-08

TITLE 2X8 gigabit MagJack® (8 Cores, with LED)
PART NO. / DRAWING NO. 08632C8R54-F
FILE NAME 08632C8R54-F_B.DWG

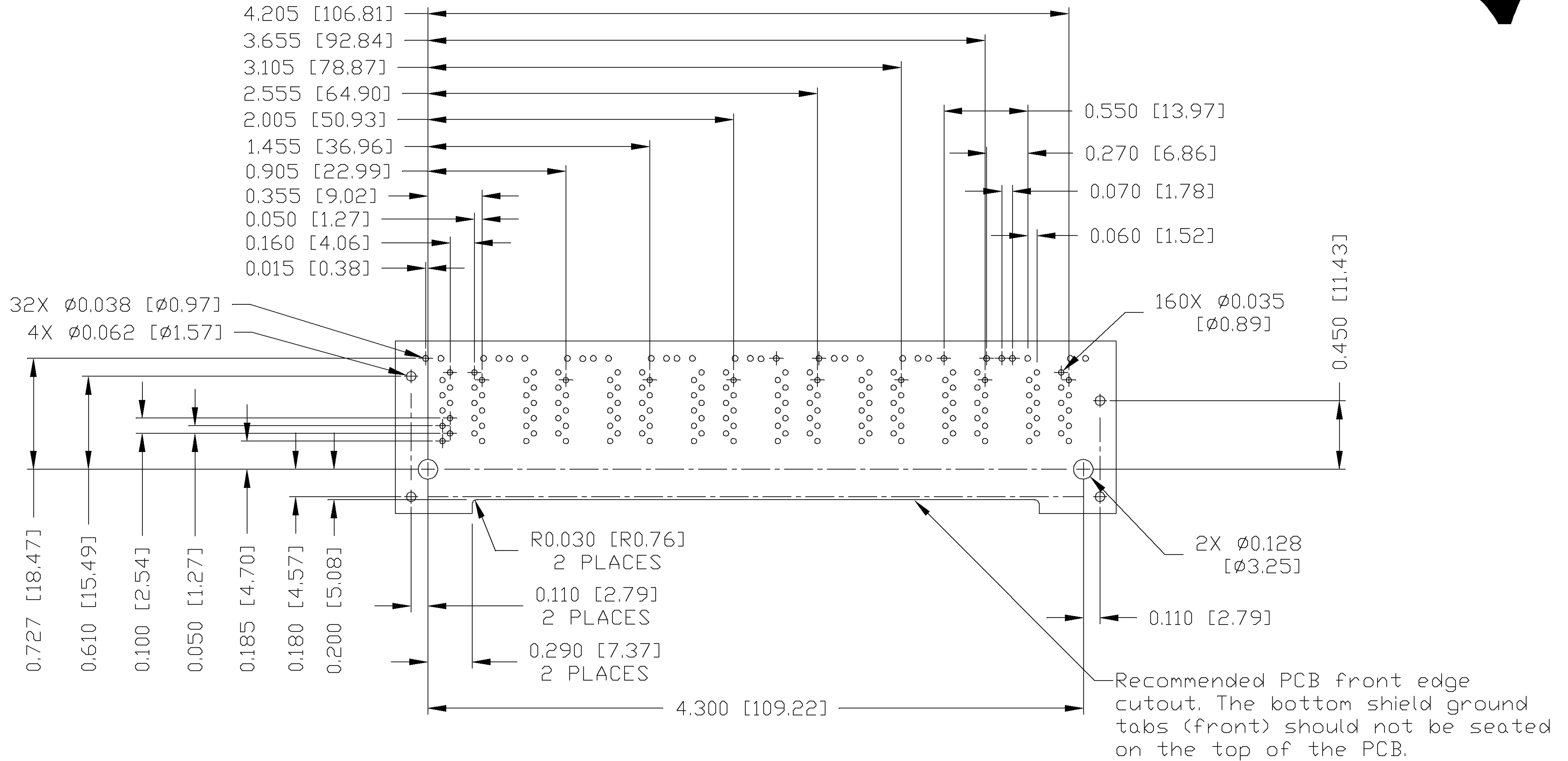
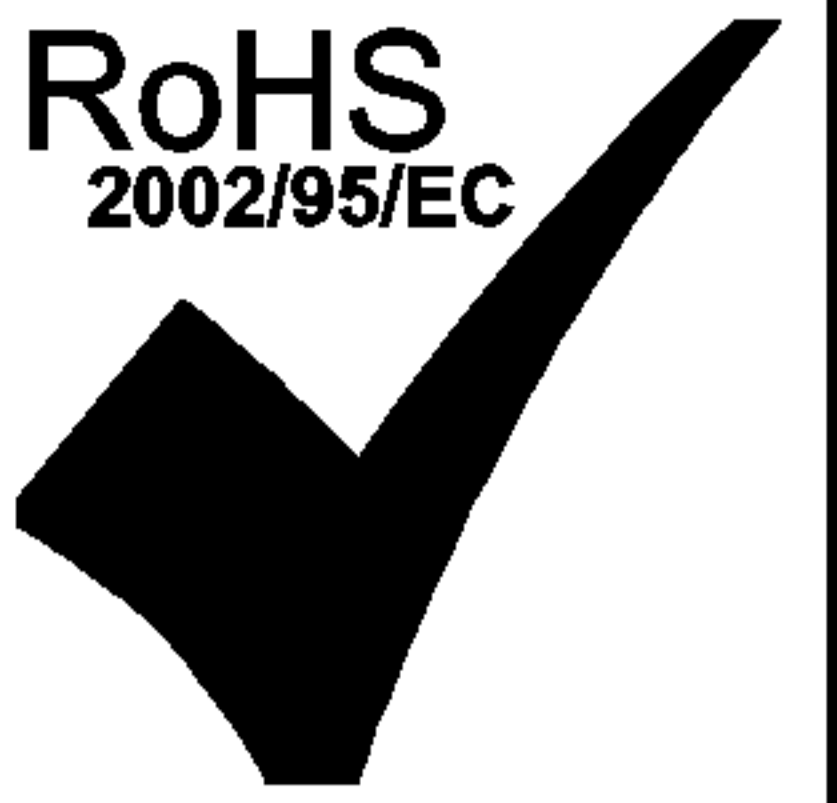
STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE
.X	UNIT : INCH [mm]
.XX	SCALE : N/A
.XXX	±0.004

REV. : B	SIZE : A4
PAGE : 4	



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SUGGESTED FOOTPRINT  
(COMPONENT SIDE VIEW)

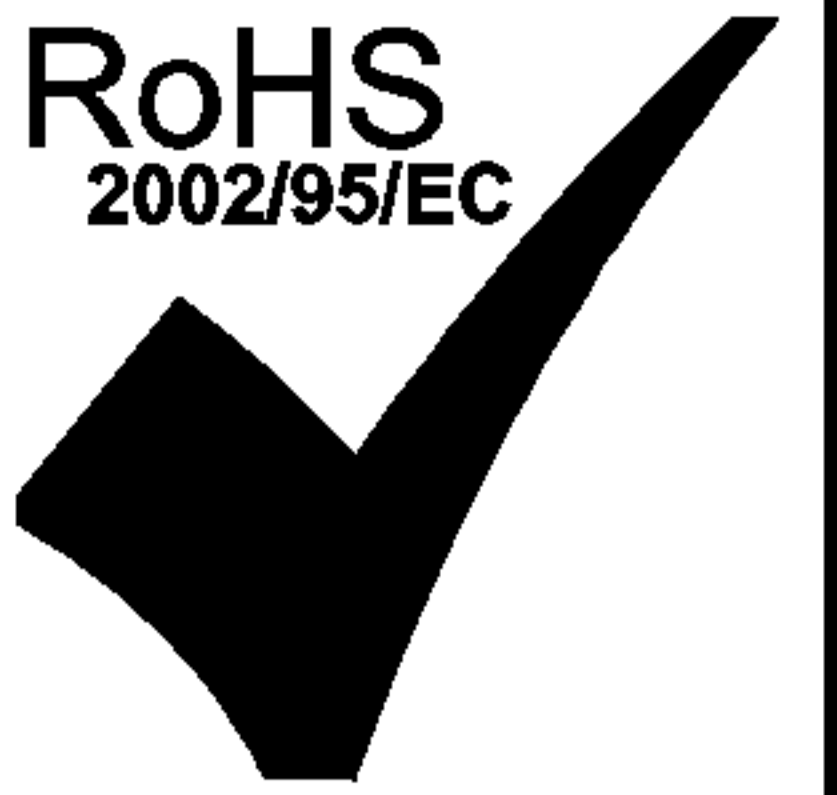
Recommended PCB front edge cutout. The bottom shield ground tabs (front) should not be seated on the top of the PCB.

ORIGINATED BY CHEN BILL	DATE 01-12-08	TITLE 2X8 gigabit MagJack® (8 Cores, with LED)	PART NO. / DRAWING NO. 08632C8R54-F	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE	 COMPONENTS FOR A CONNECTED PLANET	
DRAWN BY LIU QIN	DATE 01-12-08	FILE NAME 0863-2C8R-54-F	08632C8R54-F_B.DWG	.X	UNIT : INCH [mm]		REV. : B
				.XX	SCALE : N/A		SIZE : A4
				.XXX	±0.004	PAGE : 5	

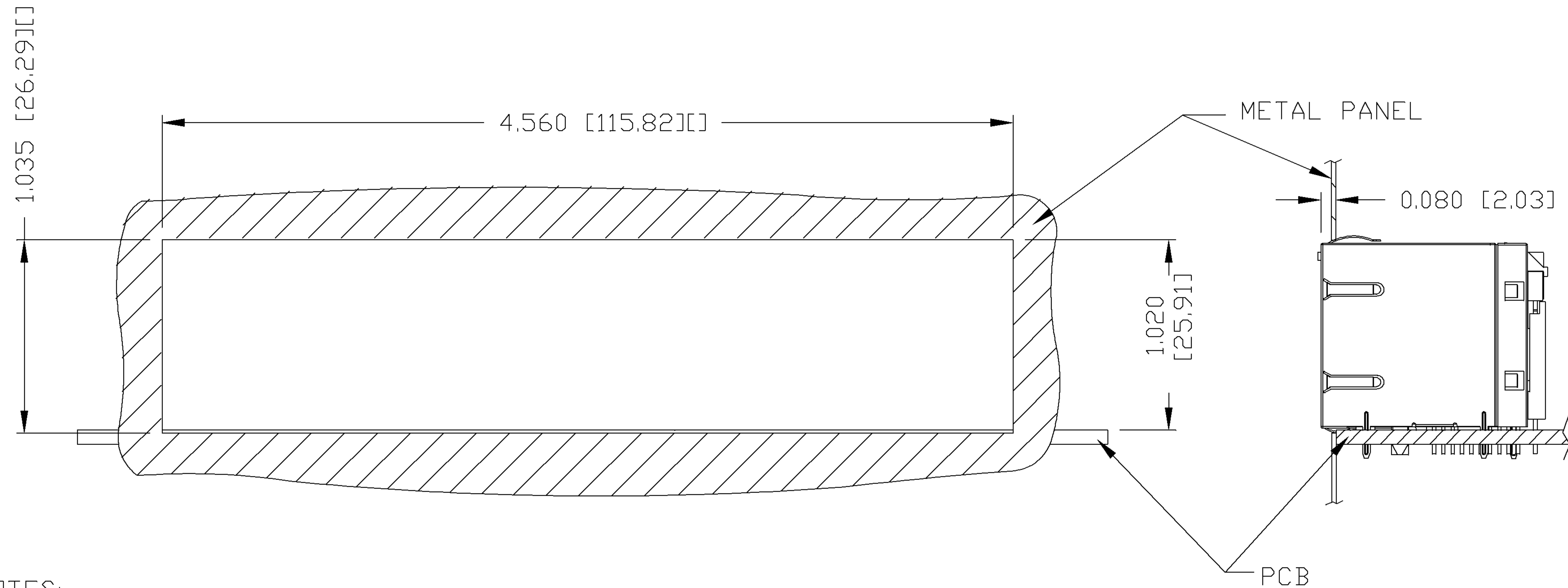


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SUGGESTED PANEL OPENING



NOTES:

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-B2 (TOP)  
0200-9999-B3 (BOTTOM)

PACKING QUANTITY : 10 PCS FINISHED GOODS PER TRAY  
7 TRAYS (70 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 CHEN BILL	DATE 01-12-08	TITLE 2X8 gigabit MagJack® (8 Cores, with LED)	PART NO. / DRAWING NO. 08632C8R54-F	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE
DRAWN BY LIU QIN	DATE 01-12-08		FILE NAME 08632C8R54-F_B.DWG	.X .XX .XXX	±0.004

