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RoHS  
2002/95/EC



LED 2 & 4 POLARITY			LED 1 & 3 POLARITY		
PIN 11	PIN 12	COLOR	PIN 13	PIN 14	COLOR
+	-	GREEN	+	-	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 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

**CM TO DM REJ**

100kHz - 100MHz -35 dB MIN

HIPOT (Isolation Voltage): 1500 Vrms

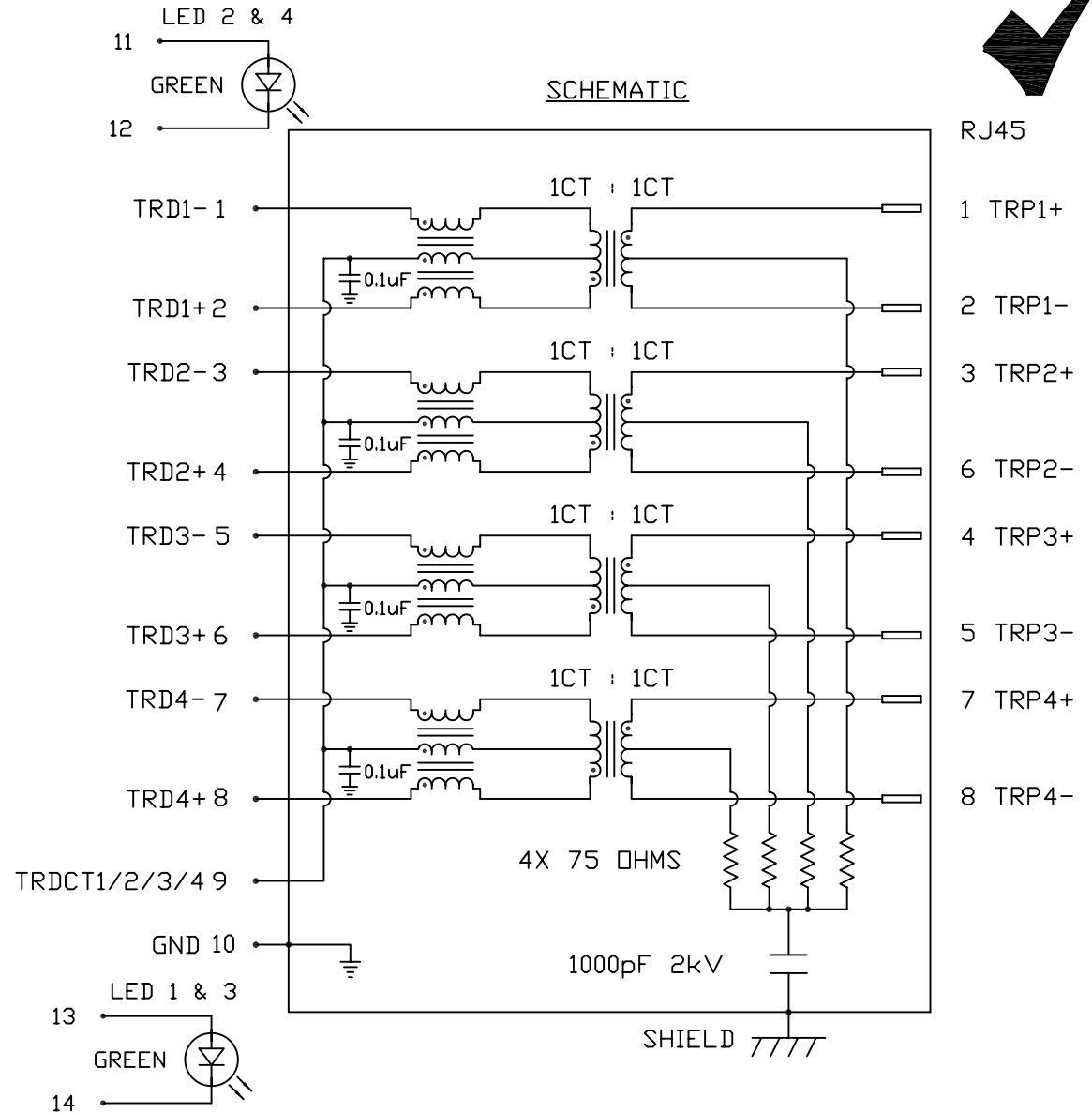
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

OPERATING TEMPERATURE: -40 TO +85°C

LEDS 1, 2, 3 AND 4

V<sub>F</sub> (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.

λ<sub>D</sub> (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.



RJ45

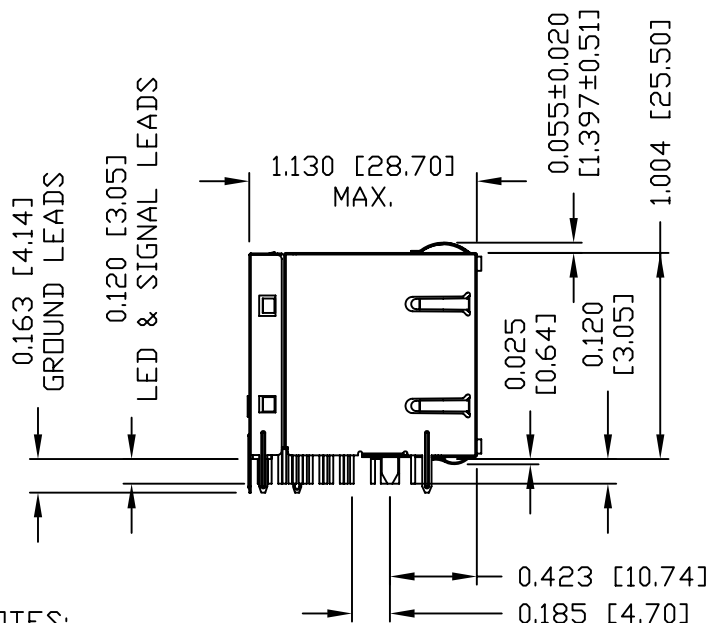
- 1 TRP1+
- 2 TRP1-
- 3 TRP2+
- 6 TRP2-
- 4 TRP3+
- 5 TRP3-
- 7 TRP4+
- 8 TRP4-

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE
CHOW WANGCHUNG	07-24-09	2X8 gigabit MagJack® WITH UPPER AND LOWER LED	0879-2G8R-Y4	.X .XX .XXX	UNIT : INCH [mm] REV. : A
DRAWN BY	DATE	(Extended Temperature of -54) PATENTED	FILE NAME		SCALE : N/A SIZE : A4
LEE WEIDE	07-24-09		0879-2G8R-Y4_A.DWG		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)

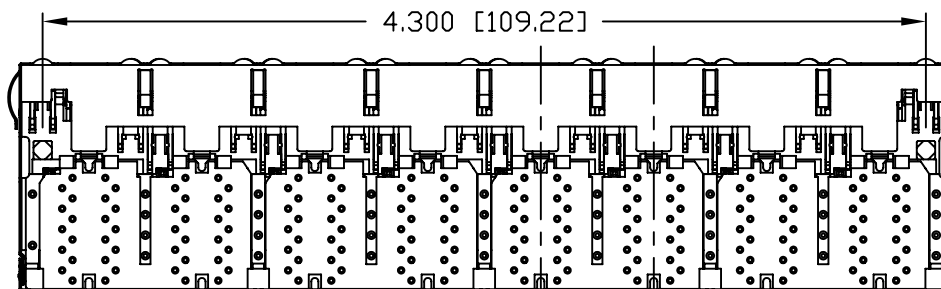
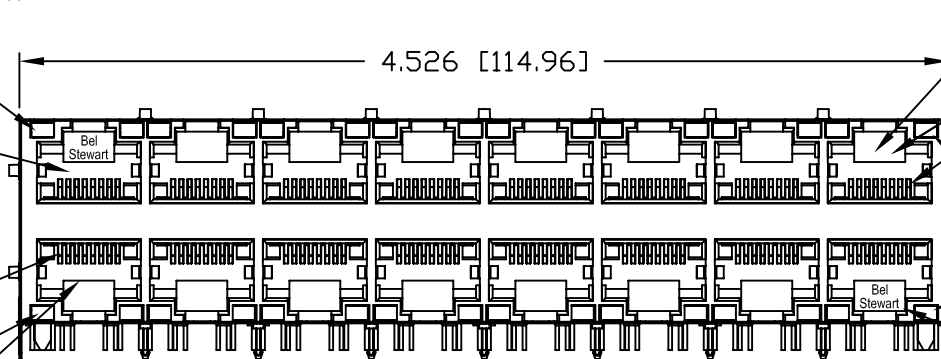
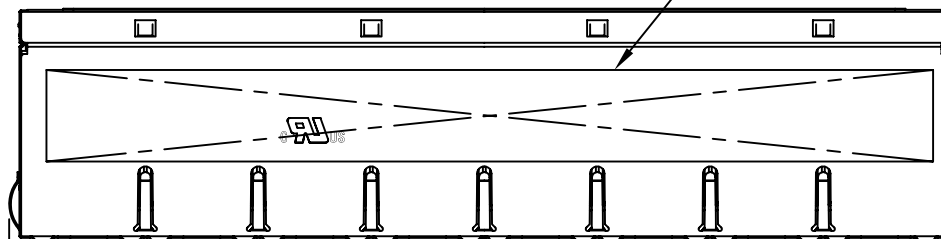
- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
- MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE AND PATENTED.
- RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

UL RECOGNIZED - FILE #E196366 AND E169987.

4. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS U.S. PAT. 5,736,910.

0.055±0.020  
[1.397±0.51]

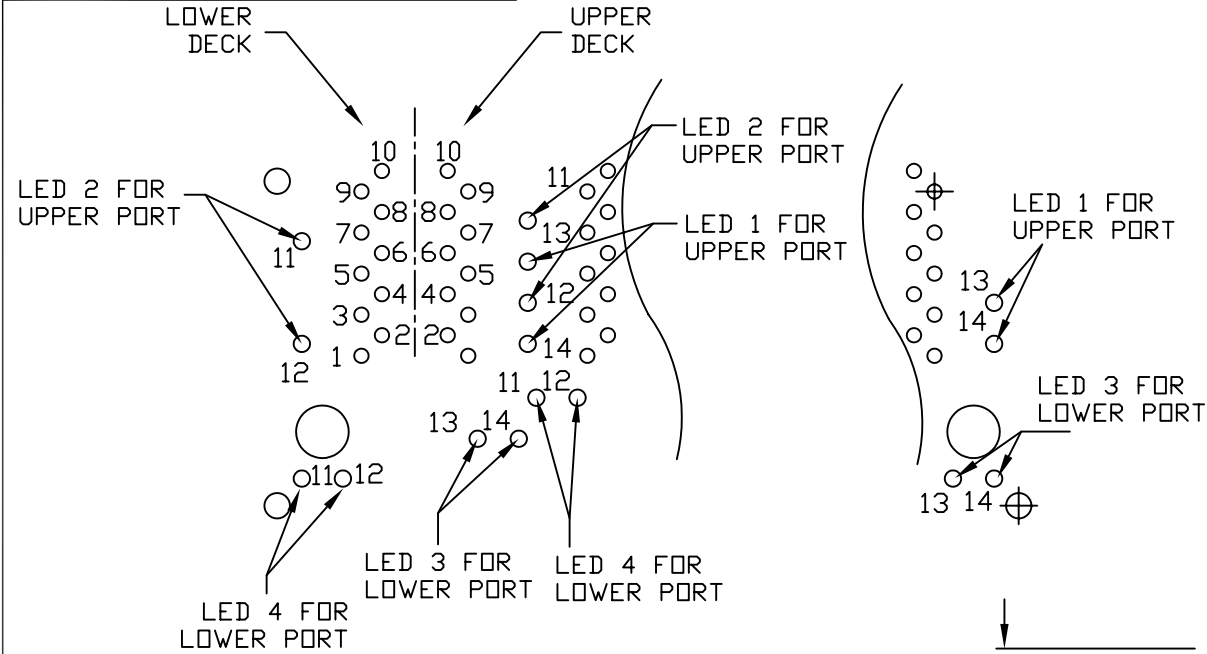
LED 2  
GREEN  
PORT 2  
  
RJ45 1  
LED 4  
GREEN  
PORT 1



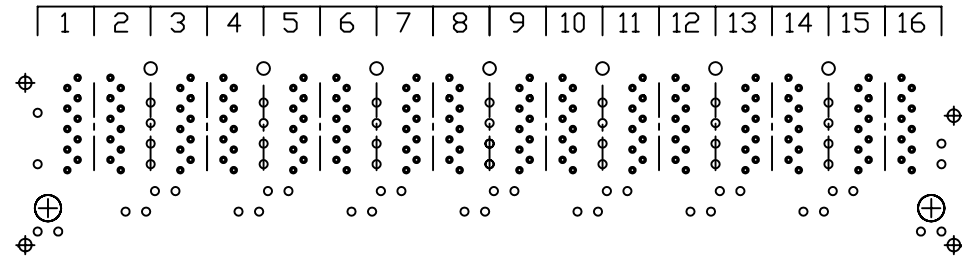
ORIGINATED BY LIU QIN	DATE 07-24-09	TITLE 2X8 gigabit MagJack® WITH UPPER AND LOWER LED (Extended Temperature of -54) PATENTED	PART NO. / DRAWING NO. 0879-2G8R-Y4		STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A CONNECTED PLANET
			FILE NAME 0879-2G8R-Y4_A.DWG		.X .XX .XXX	±0.010	UNIT : INCH [mm] SCALE : N/A	REV. : A SIZE : A4 PAGE : 3	
DRAWN BY XIAN JIAXIN	DATE 07-24-09								



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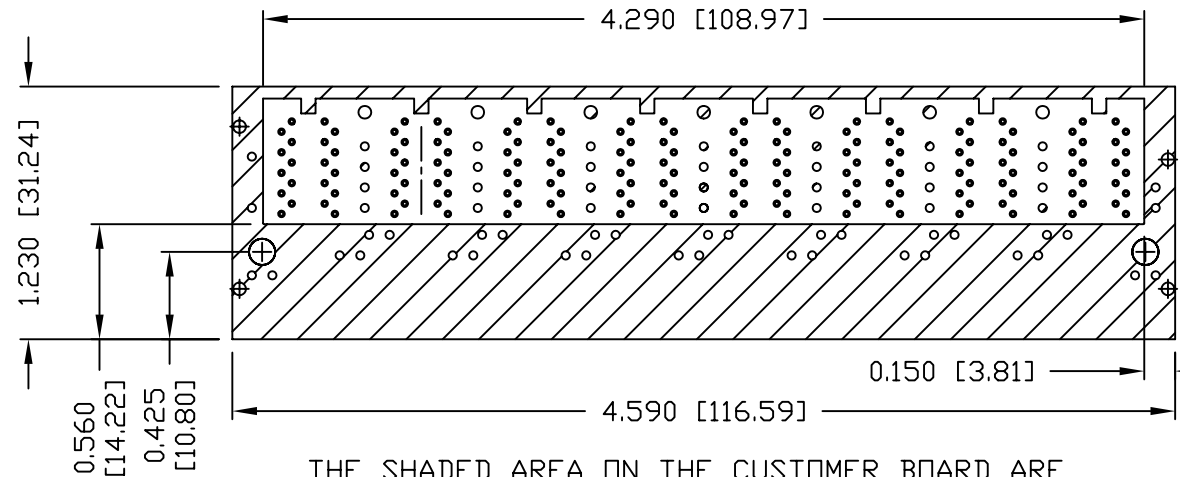


PORT ASSIGNMENT  
(COMPONENT SIDE VIEW)



PIN-OUT INFORMATION  
(COMPONENT SIDE VIEW)

10	GND		
9	TRCT1/2/3/4		
8	TRD 4+		
7	TRD 4-		
6	TRD 3+		
5	TRD 3-		
4	TRD 2+	14	GREEN (-)
3	TRD 2-	13	GREEN (+)
2	TRD 1+	12	GREEN (-)
1	TRD 1-	11	GREEN (+)



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

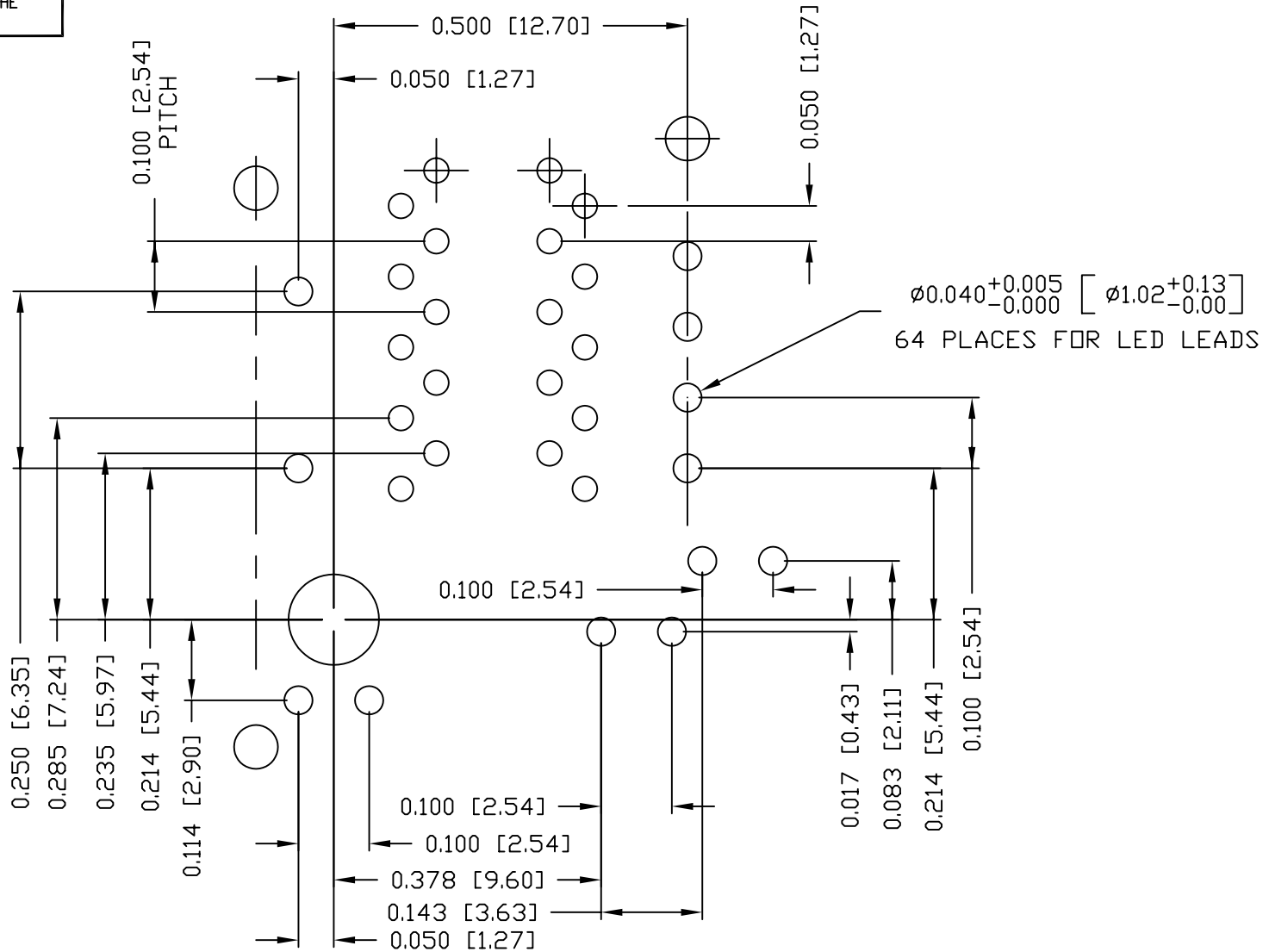
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				TOL. IN INCH		UNIT : INCH [mm]	SIZE : A4		
DRAWN BY XIAN JIAXIN	DATE 07-24-09		FILE NAME 0879-2G8R-Y4_A.DWG	.X		SCALE : N/A			
				.XX					
				.XXX	±0.004				





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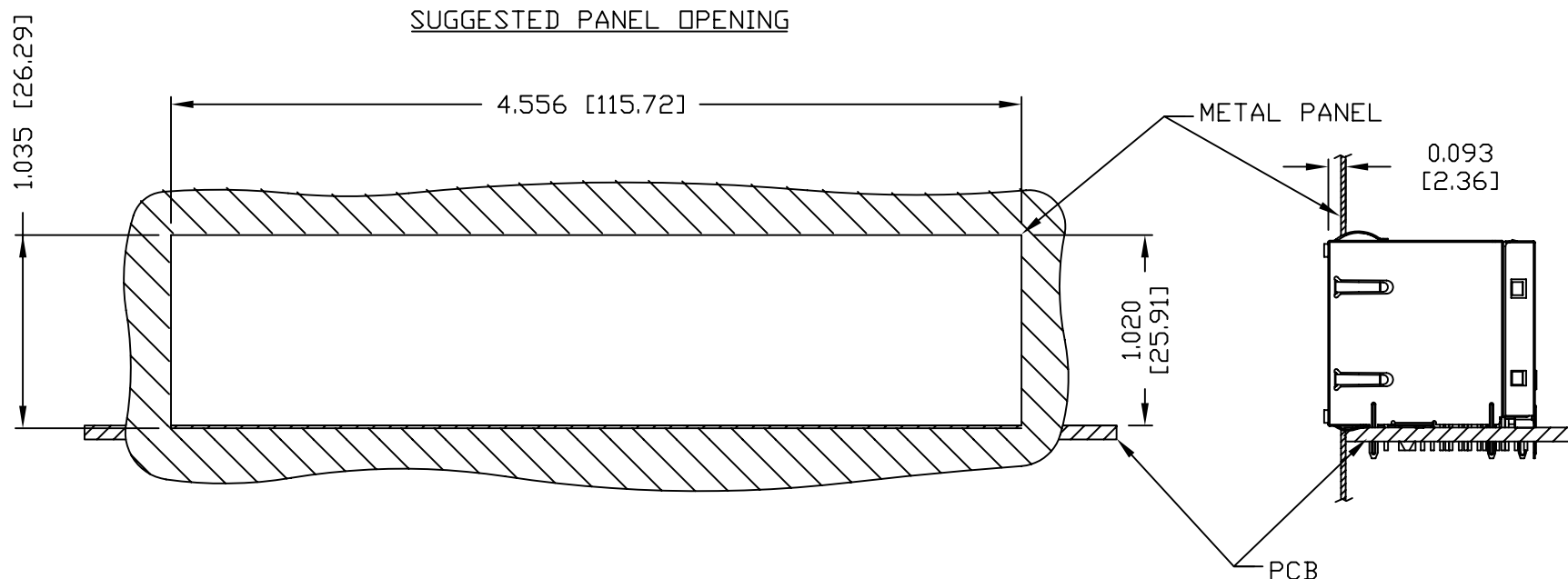
DETAIL A

ORIGINATED BY LIU QIN	DATE 07-24-09	TITLE 2X8 gigabit MagJack® WITH UPPER AND LOWER LED (Extended Temperature of -54) PATENTED	PART NO. / DRAWING NO. 0879-2G8R-Y4		STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE	
			FILE NAME 0879-2G8R-Y4_A.DWG		.X		UNIT : INCH [mm]	REV. : A
DRAWN BY XIAN JIAXIN	DATE 07-24-09				.XX		SCALE : N/A	SIZE : A4
					.XXX	±0.004		PAGE : 6



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**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 : 0200M9999-E2 (TOP)  
0200M9999-E3 (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)

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					.XX		SCALE : N/A	SIZE : A4
DRAWN BY XIAN JIAXIN	DATE 07-24-09			.XXX	±0.004			PAGE : 7

