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

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TP1	1CT : 1CT $\pm 2\%$
TP2	1CT : 1CT $\pm 2\%$
TP3	1CT : 1CT $\pm 2\%$
TP4	1CT : 1CT $\pm 2\%$

Δ CL @ 100kHz/100mVRMS

8mA DC BIAS

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

CM TO DM REJ

100kHz - 100MHz

HIPOT (Isolation Voltage):

1500 Vrms

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

LEDS 1, 2, 3 AND 4

VF (FORWARD VOLTAGE)

IF=20mA GREEN 2.2V TYP.

IF=20mA YELLOW 2.1V TYP.

λ D (DOMINANT WAVELENGTH)

IF=20mA GREEN 565nm TYP.

IF=20mA YELLOW 590nm TYP.

ORIGINATED BY DATE
CHOW WANGCHUNG 11-21-09

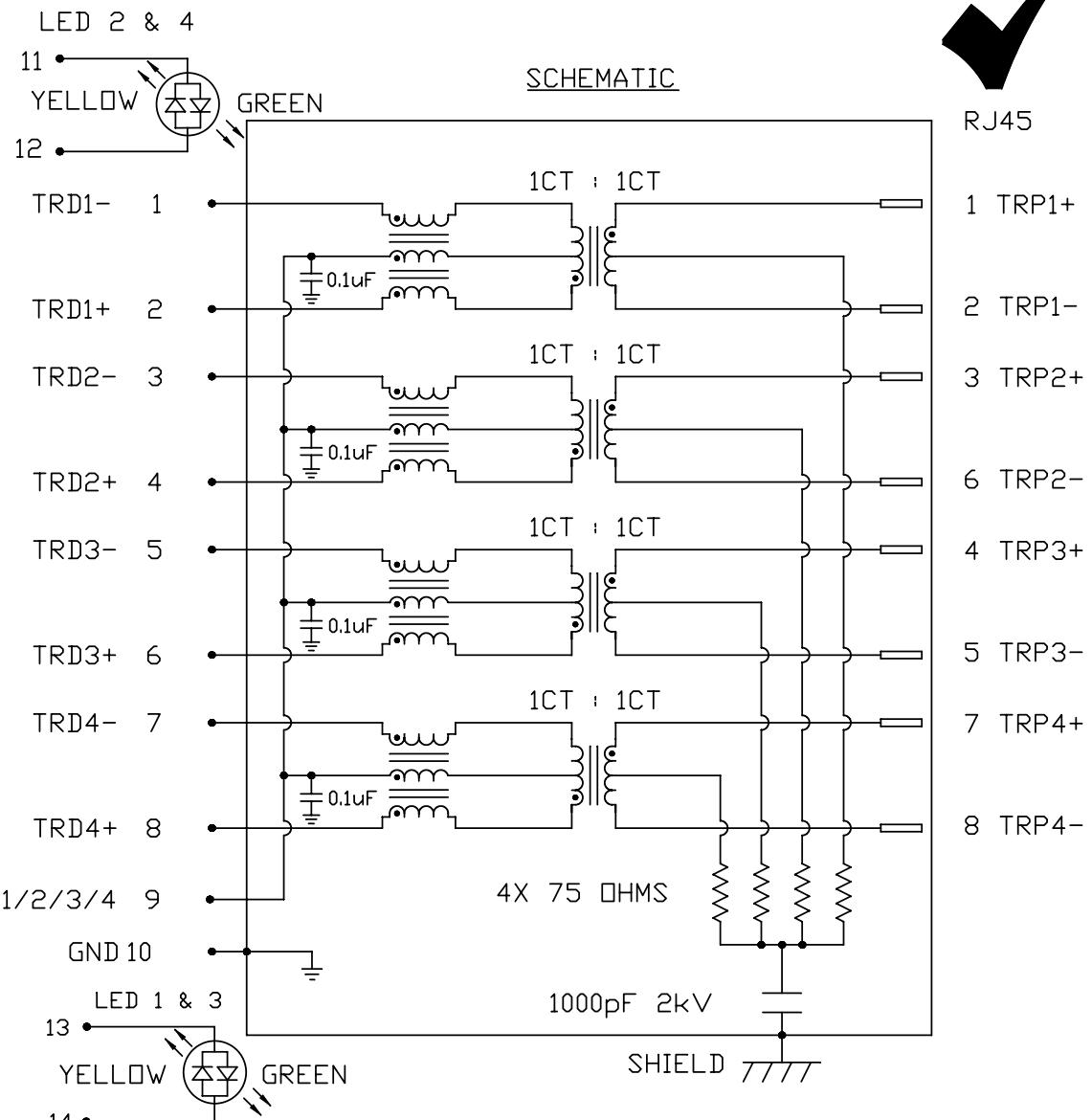
DRAWN BY DATE
LEE WEIDE 11-21-09

TITLE 2X2 gigabit MagJack®
WITH UPPER AND LOWER LED
(8 Cores)
PATENTED

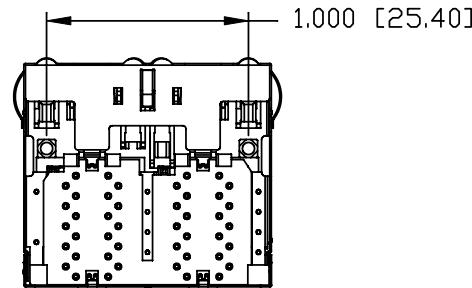
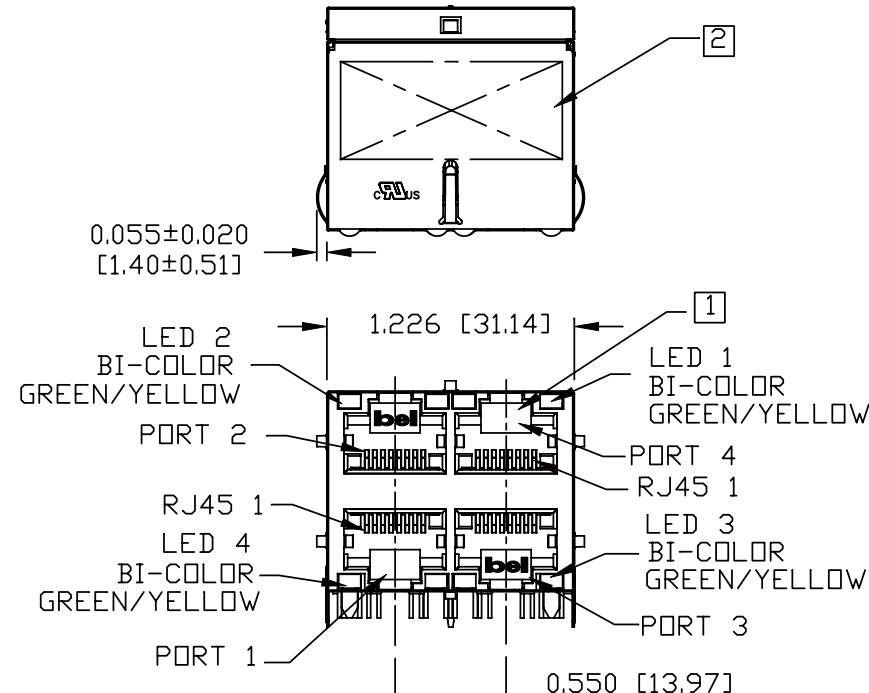
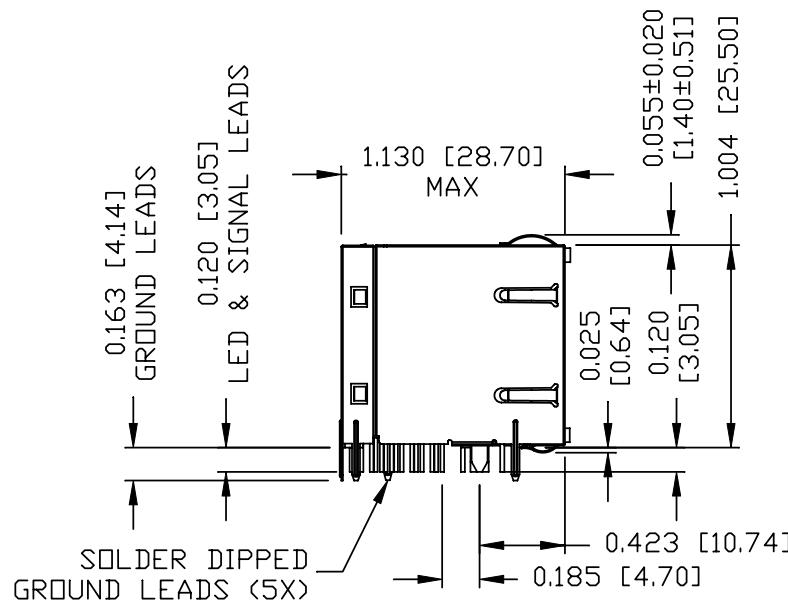
PART NO. / DRAWING NO.
0879-2C2R-54
FILE NAME
0879-2C2R-54_A.DWG

STANDARD DIM.
TOL. IN INCH
[] METRIC DIM. AS REFERENCE
UNIT : INCH [mm] REV. : A
.X
.XX
.XXX
SCALE : N/A SIZE : A4
PAGE : 2

bel
COMPONENTS FOR A
CONNECTED PLANET



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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, MFG NAME, PART NUMBER,
DATE CODE AND PATENTED.

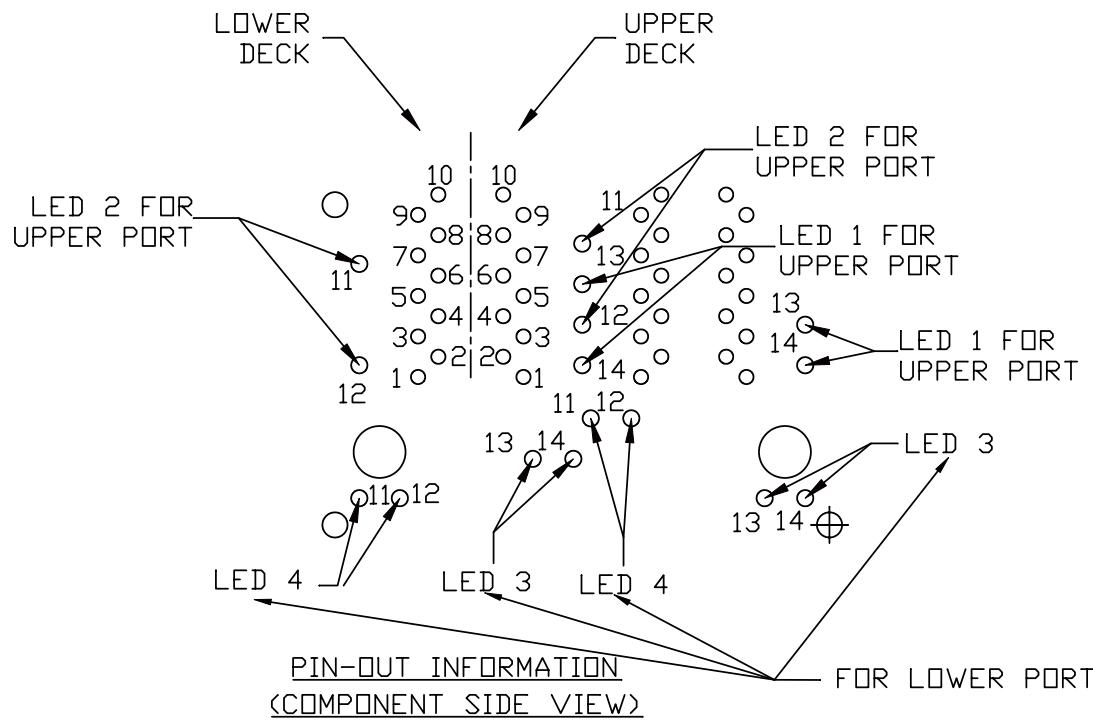
3. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

ANSWER RECOGNIZED - FILE #E196366 AND E169987.

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

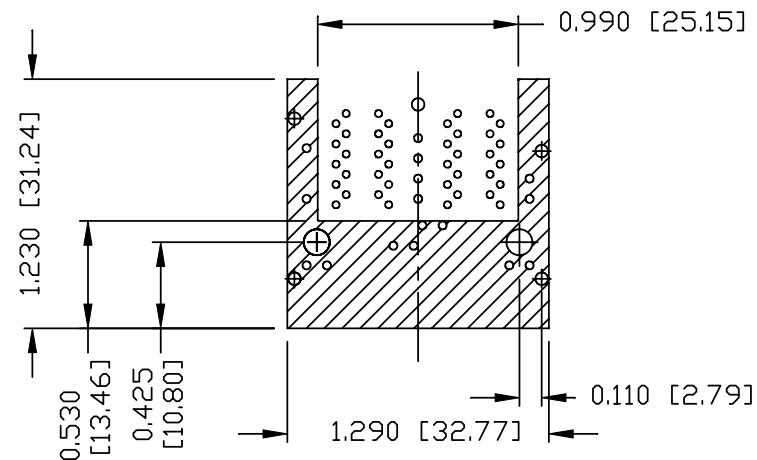
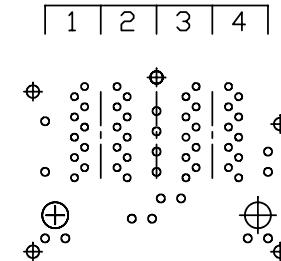
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
LIU QIN	11-21-09	2x2 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores) PATENTED	0879-2C2R-54	.X	UNIT : INCH [mm] REV. : A
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
XIAN JIAXIN	11-21-09		0879-2C2R-54_A.DWG	.XXX	±0.010 PAGE : 3

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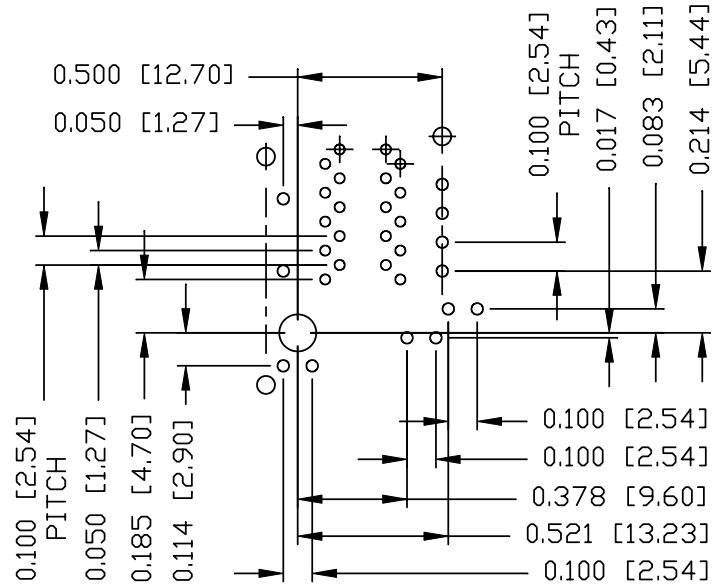
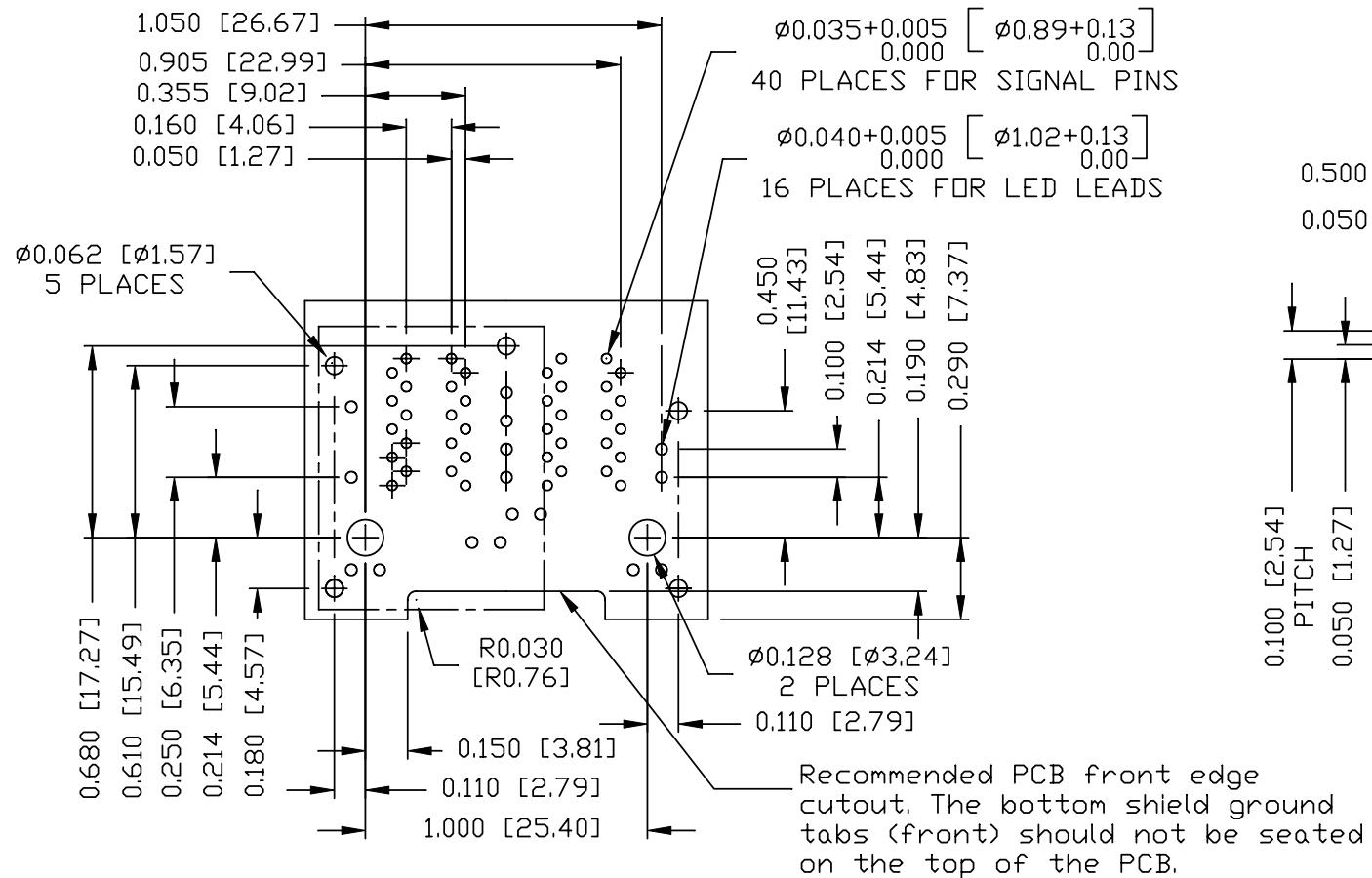
10	GND		
9	TRDCT1/2/3/4		
8	TRD 4+		
7	TRD 4-		
6	TRD 3+		
5	TRD 3-		
4	TRD 2+	14	GREEN (-) YELLOW (+)
3	TRD 2-	13	GREEN (+) YELLOW (-)
2	TRD 1+	12	GREEN (-) YELLOW (+)
1	TRD 1-	11	GREEN (+) YELLOW (-)

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	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
LIU QIN	11-21-09			.X		UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE	2x2 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores)	0879-2C2R-54	.XX		SCALE : N/A	SIZE : A4
XIAN JIAXIN	11-21-09	PATENTED	FILE NAME	.XXX	±0.004		PAGE : 4
DC002(2)051509			This document is electronically generated. This is a controlled copy if used internally				



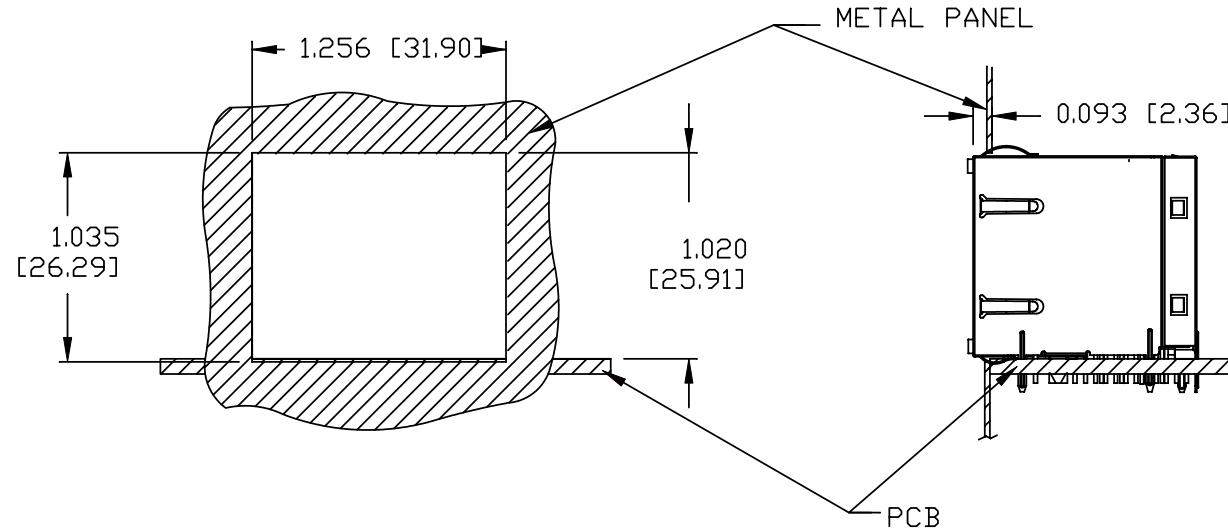
SUGGESTED FOOTPRINT

COMPONENT SIDE VIEW

ORIGINATED BY LIU QIN	DATE 11-21-09	TITLE 2X2 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores) PATENTED	PART NO. / DRAWING NO. 0879-2C2R-54	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
DRAWN BY XIAN JIAXIN	DATE 11-21-09		FILE NAME 0879-2C2R-54_A.DWG	.X	UNIT : INCH [mm]	REV. : A
				.XX	SCALE : N/A	SIZE : A4
				.XXX	±0.004	PAGE : 5



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-P5 (TOP)
 0200-9999-P6 (BOTTOM)

PACKING QUANTITY : 28 PCS FINISHED GOODS PER TRAY
 8 TRAYS (224 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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LIU QIN	11-21-09		0879-2C2R-54		UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE		FILE NAME	.X		
XIAN JIAXIN	11-21-09		0879-2C2R-54_A.DWG	.XX	SCALE : N/A	SIZE : A4
				.XXX	±0.004	PAGE : 6