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RoHS



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

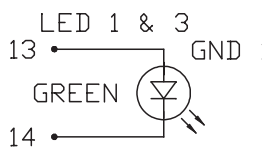
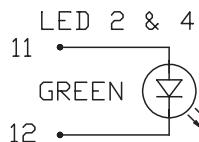
100kHz - 100MHz -35 dB MIN

HIPOT (Isolation Voltage): 1500 Vrms

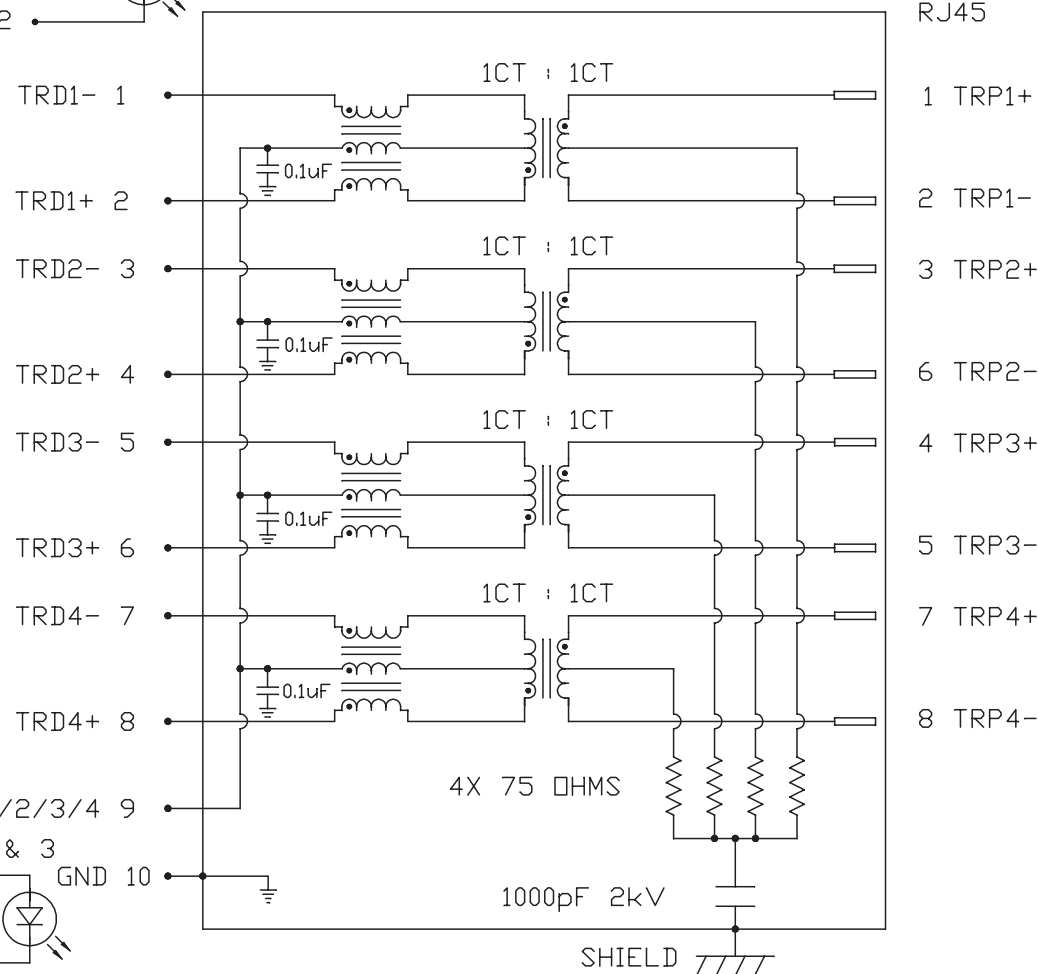
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

LEDS 1, 2, 3 AND 4

VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.
 λD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP.



SCHEMATIC



RJ45

1 TRP1+

2 TRP1-

3 TRP2+

6 TRP2-

4 TRP3+

5 TRP3-

7 TRP4+

8 TRP4-

ORIGINATED BY	DATE
CHOW WANCHUNG	2014-05-26
DRAWN BY	DATE
HU XIANG	2014-05-26

TITLE	2X1 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores) PATENTED
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PART NO. / DRAWING NO.	0879-2G1R-54
FILE NAME	0879-2G1R-54_A.DWG

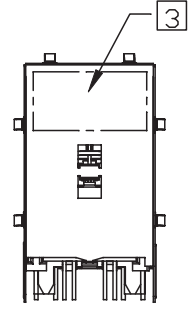
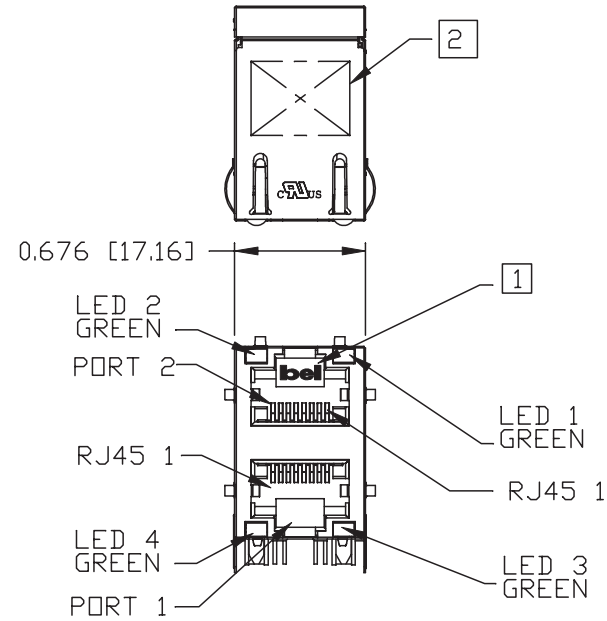
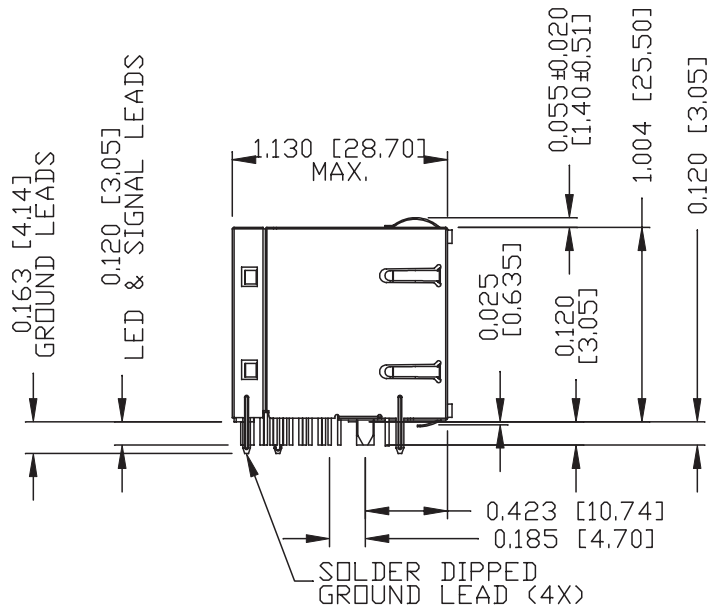
STANDARD DIM. TOL. IN INCH	.X	
	.XX	
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[] METRIC DIM. AS REFERENCE	UNIT : INCH [mm]	REV. : A
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		PAGE : 2

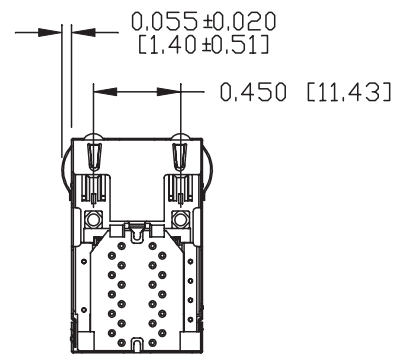


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BACK VIEW



NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RALIU DONGJUN UL 94V-0
- CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
- 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, AND DATE CODE.
3. MARKING "PATENTED".

4. THE PRODUCT IS RoHS COMPLIANT.

© UL RECOGNIZED - FILE #E196366 AND E169987.

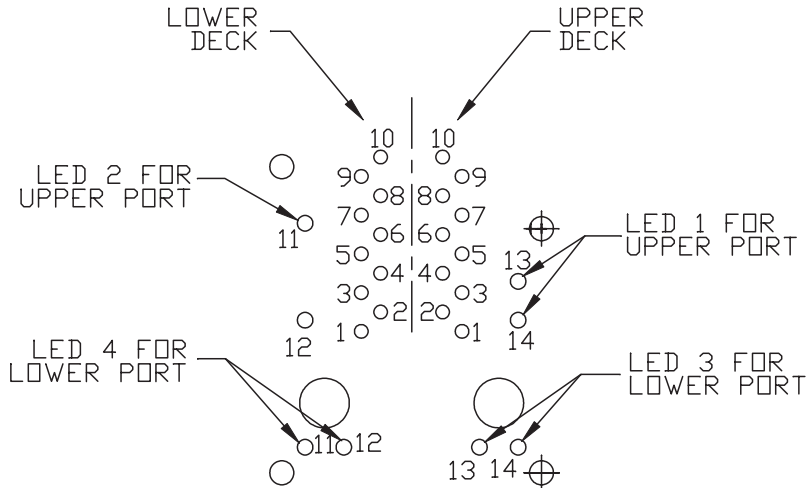
5. THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE U.S. PAT. 5,736,910 & U.S. PAT. 6,840,817 AND U.S. PAT. 7,123,117.

ORIGINATED BY ANTON LIAO	DATE 2014-05-26	TITLE 2X1 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores) PATENTED	PART NO. / DRAWING NO. 0879-2G1R-54		STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
			FILE NAME 0879-2G1R-54_A.DWG		.X .XX .XXX	UNIT : INCH [mm]	REV. : A
DRAWN BY LIU DONGJUN	DATE 2014-05-26					SCALE : N/A	SIZE : A4
						⊕	PAGE : 3

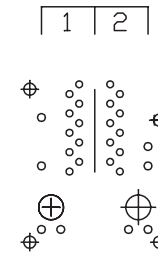


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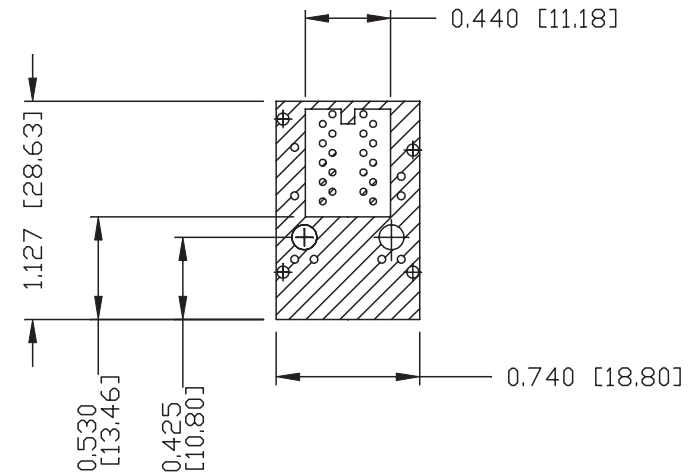


PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

14	GREEN (-)
13	GREEN (+)
12	GREEN (-)
11	GREEN (+)
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-



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

ORIGINATED BY	DATE
ANTON LIAO	2014-05-26
DRAWN BY	DATE
LIU DONGJUN	2014-05-26

TITLE
2X1 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores) PATENTED

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0879-2G1R-54
FILE NAME
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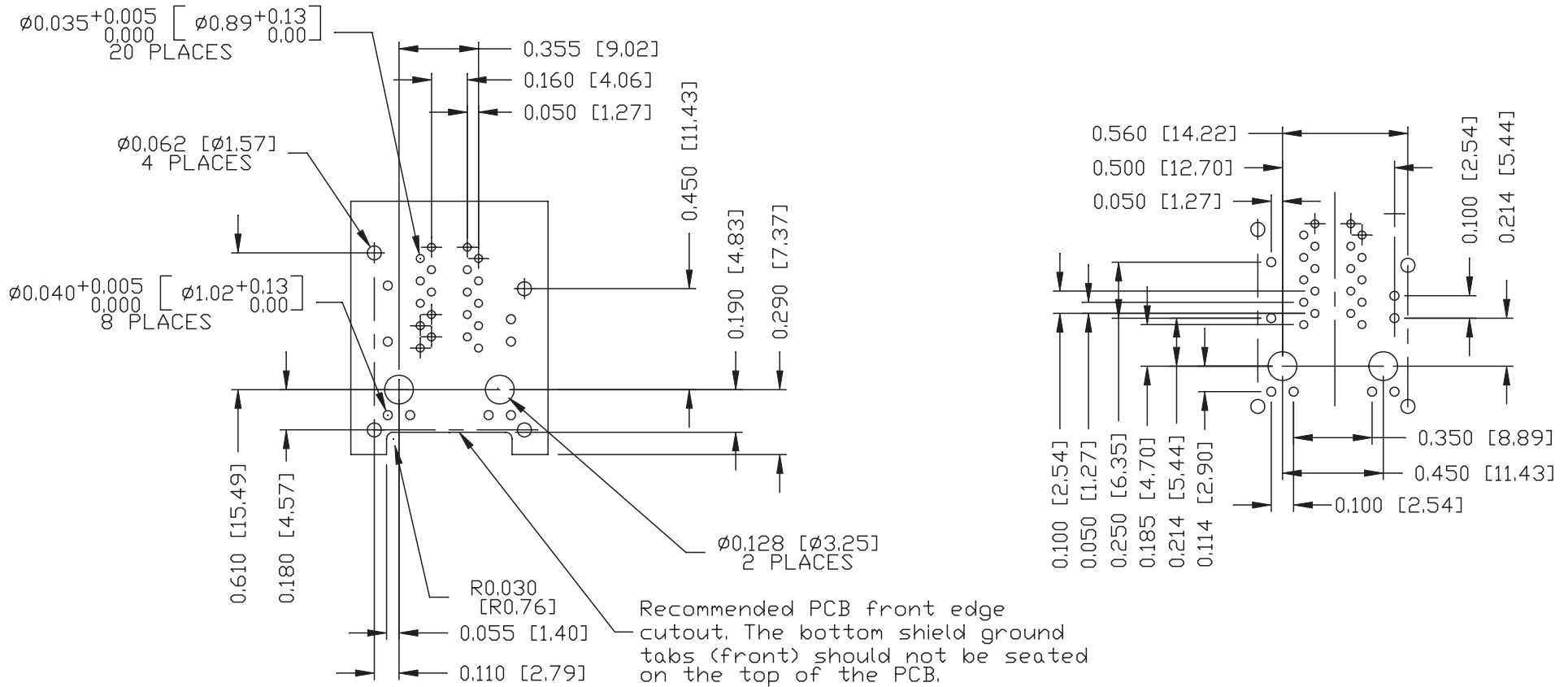
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TOL. IN INCH	UNIT : INCH [mm]
.X	REV. : A
.XX	SCALE : N/A
.XXX	SIZE : A4
±0.004	PAGE : 4

UNIT : INCH [mm]	REV. : A
SCALE : N/A	SIZE : A4
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SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)

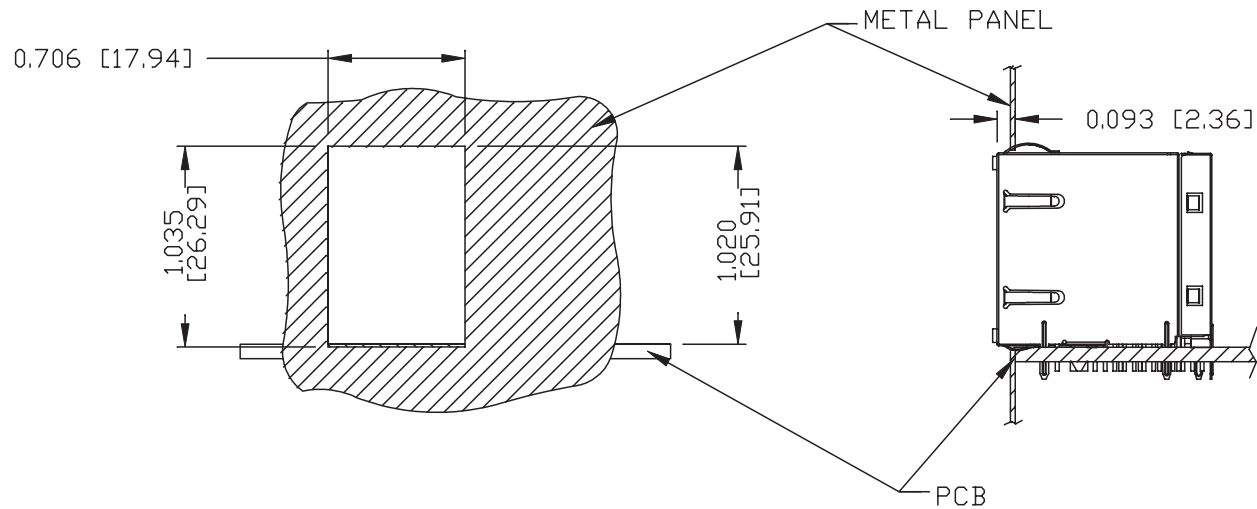
ORIGINATED BY ANTON LIAO	DATE 2014-05-26	TITLE 2X1 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores) PATENTED	PART NO. / DRAWING NO. 0879-2G1R-54	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A CONNECTED PLANET
DRAWN BY LIU DONGJUN	DATE 2014-05-26		FILE NAME 0879-2G1R-54_A.DWG	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A		

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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-P8 (TOP)
0200-9999-P9 (BOTTOM)

PACKING QUANTITY : 40 PCS FINISHED GOODS PER TRAY
7 TRAYS (280 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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				.X		UNIT : INCH [mm]	REV. : A	
DRAWN BY LIU DONGJUN	DATE 2014-05-26		FILE NAME 0879-2G1R-54_A.DWG	.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.004		PAGE : 6	