THE INFORMATION CONTAINED HEREIN IS CONSIDERED **RoHS** 'PROPRIETARY' TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE LED 2 & 4 WRITTEN APPROVAL OF BEL FUSE INC. 11 •-SCHEMATIC GREEN LED 2 & 4 POLARITY LED 1 & 3 POLARITY **PIN 14** PIN 11 PIN 12 COLOR PIN 13 COLOR 1CT : 1CT **GREEN** + **GREEN** TRD1- 1 ← 1 TRP1+ ELECTRICAL CHARACTERISTICS @ 25°C -- 0.1uF TURNS RATIO 2 TRP1-TRD1+ 2 • TP1 1CT : 1CT ±2% TP2 1CT : 1CT ±2% 1CT : 1CT TP3 1CT : 1CT ±2% TRD2- 3 • 3 TRP2+ TP4 1CT : 1CT ±2% 0.1uF DCL @ 100kHz/100mVRMS 350µH MIN. 8mA DC BIAS 6 TRP2-TRD2+ 4 • INS. LOSS 1CT : 1CT 0.1MHz T□ 1MHz -1.1 dB MAX TRD3- 5 ← 4 TRP3+ 1MHz TO 65MHz -0.5 dB MAX  $\overline{\mathbf{w}}$ -0.8 dB MAX 65MHz TO 100MHz 0.1uF 100MHz TO 125MHz -1.2 dB MAX RET. LOSS (MIN) @ 1000HMS ±15% 5 TRP3-TRD3+ 6 ◆ 0.5MHz-40MHz -18 dB 1CT : 1CT 40MHz-100MHz  $-12+20L\Box G(f/80MHz) dB$ TRD4- 7 • 7 TRP4+ CM TO CM REJ 0.1uF 100kHz - 100MHz -30 dB MIN CM TO DM REJ 100kHz - 100MHz -35 dB MIN 8 TRP4-TRD4+ 8 • HIPOT (Isolation Voltage): 1500 Vrms 4X 75 DHMS 100% OF PRODUCTION TESTED TO COMPLY TRDCT1/2/3/4 9 • WITH IEEE 802.3 ISOLATION REQUIREMENTS LEDS 1, 2, 3 AND 4 10 • 1000pF 2kV VF (FORWARD VOLTAGE) IF=20mA GREEN (ONE CAP PER PORT) -LED 1 & 3 AD (D□MINANT WAVELENGTH) IF=20mA GREEN 2.2V TYP. 13 • SHIELD 77/7 **OPERATING TEMPERATURE:** -40°C TD 85°C 565nm TYP. GREEN REMARK: THIS SCHEMATIC IS DIFFERENT FROM BEL STANDARD SCHEMATIC. ADJATALANDD DA DADT NO / DDAWING NO TITLE NCE 2X2 gigabit MagJack®

ORIGINA	IED BI	DATE			
CH□W	WANGCHUNG	09-17-09			
DRAWN :	BY	DATE			

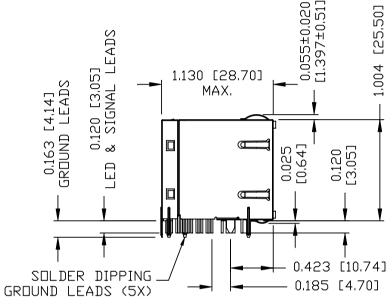
2X2 gigabit MagJack®
WITH UPPER AND LOWER LED
(8 Cores, Extend Temp.)
PATENTED

PARI NO. / DRAWING NO.	STANDA	ARD DIM.	[ ] METRIC DIM. AS	REFEREN
0879-2G2R-Y4	TOL. I	N INCH	UNIT : INCH [mm]	REV. :
FILE NAME	.X		SCALE: N/A	SIZE :
0070 0500 044 4 7045	.xx		SCALE: N/A	SIZE :
0879-2G2R-Y4_A.DWG	.XXX		₩	PAGE:



**A4** 





PLASTIC HOUSING: THERMOPLASTIC PBT

FLAMMABILITY RATING UL 94V-0

CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING

DUTPUT PINS: TIN-CDATED COPPER WIRE, DIA 0.018 INCH.

METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.

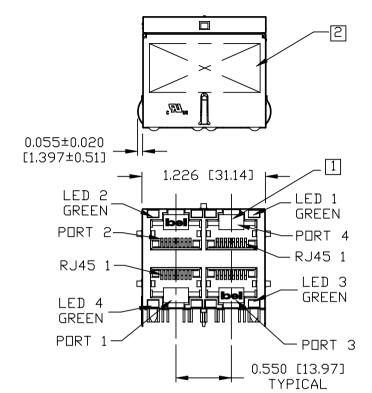
(ALL GROUND LEADS ARE SOLDER DIPPED)

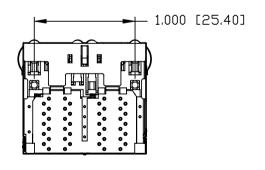
- 1. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
- 2. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE AND PATENTED.
- 3. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

LUSUL RECOGNIZED - FILE #E196366 AND E169987.

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

ORIGINATED BY	DATE	TITLE 2X2 gigabit MagJack®	PART NO. / DRAWING NO.	STANDA	ARD DIM.	[ ] METRIC DIM. AS	REFERENCE
LIU QIN	09-17-09	WITH UPPER AND LOWER LED	0879-2G2R-Y4	TOL. I	N INCH	UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE	(8 Cores, Extend Temp.)	FILE NAME	.X .XX		SCALE: N/A	SIZE: A4
NIXAIL NAIX	09-17-09	PATENTED	0879-2G2R-Y4_A.DWG	.XXX	±0.010	<b></b>	PAGE: 3

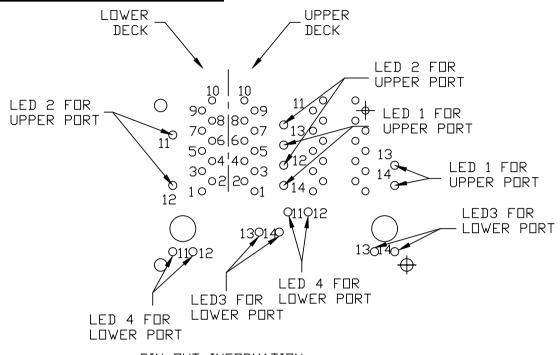






NOTES:



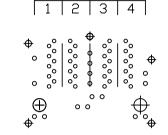


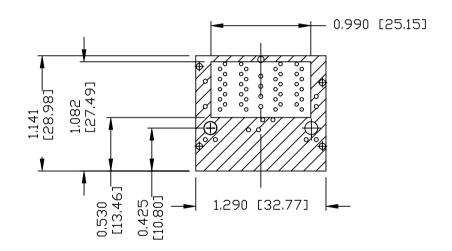
# PIN-DUT INFORMATION

### (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+
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	DATE
LIU QIN	09-17-09
DRAWN BY XIAN JIAXIN	DATE

TITLE

2X2 gigabit MagJack®

WITH UPPER AND LOWER LED

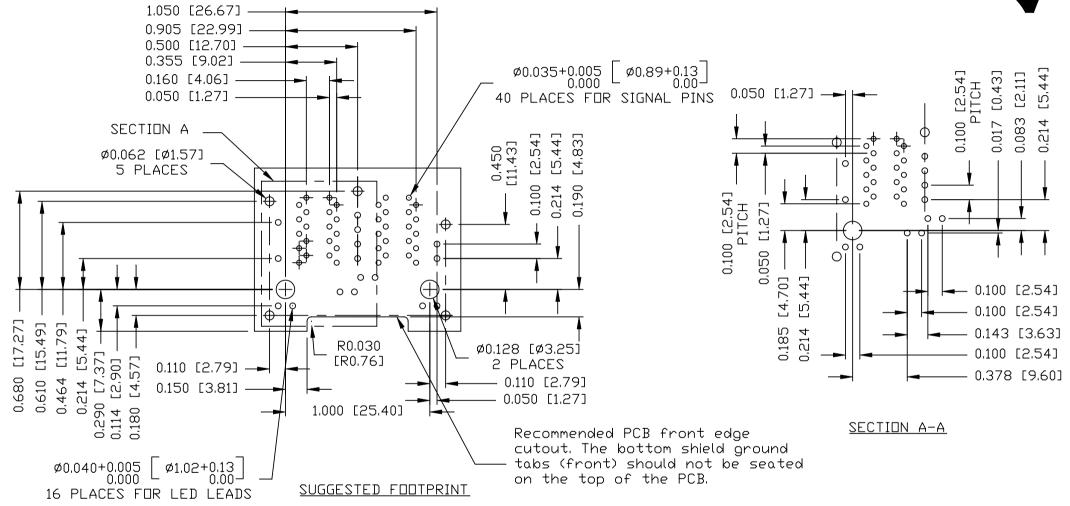
(8 Cores, Extend Temp.)

PATENTED

PART NO. / DRAWING NO.	STANDARD DIM.		[ ] METRIC DIM. AS REFERENCE				
0879-2G2R-Y4	TOL. IN INCH		UNIT : INCH [mm]	REV. : A			
FILE NAME	.X		SCALE: N/A	SIZE: A4			
0879-2G2R-Y4 A.DWG	.XX						
ססיי במבול ו+_Hיהאמ	.XXX	±0.004	<b>⊕</b> - <b>□</b> -	PAGE: 4			







ORIGINATED BY	DATE		
LIU QIN	09-17-09		
DRAWN BY	DATE		

2X2 gigabit MagJack®
WITH UPPER AND LOWER LED
(8 Cores, Extend Temp.)
PATENTED

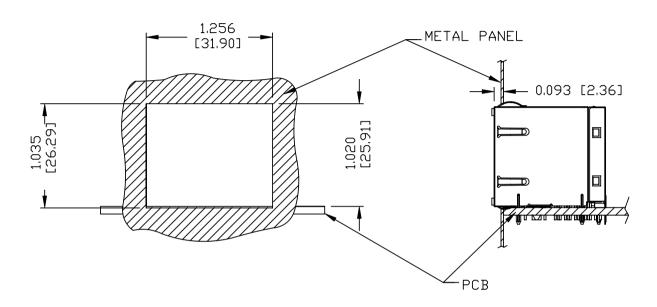
(COMPONENT SIDE VIEW)

PART NO. / DRAWING NO.			[ ] METRIC DIM. AS REFERE					
0879-2G2R-Y4		N INCH	UNIT : INCH [mm]	REV. : A				
FILE NAME	.XX		SCALE: N/A	SIZE: A4				
0879-2G2R-Y4_A.DWG	.XXX	±0.004	$\bigoplus \bigoplus$	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

7 TRAYS (196 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	<b>DATE</b> 09-17-09	TITLE  2X2 gigabit MagJack®  WITH UPPER AND LOWER LED	PART NO. / DRAWING NO. 0879-2G2R-Y4		ARD DIM. IN INCH	[ ] METRIC DIM. AS	1
DRAWN BY	DATE		FILE NAME	.X .XX			SIZE: A4
NIXAIL NAIX	09-17-09	PATENTED	0879-2G2R-Y4_A.DWG	.XXX	±0.004	<b>⊕</b> - <b>□</b>	PAGE: 6



# **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bel:

0879-2G2R-Y4