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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 ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%

### CL @ 100kHz/100mVRMS

8mA DC BIAS	350μH MIN.
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### 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
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### CM TO DM REJ

100kHz - 100MHz	-35 dB MIN
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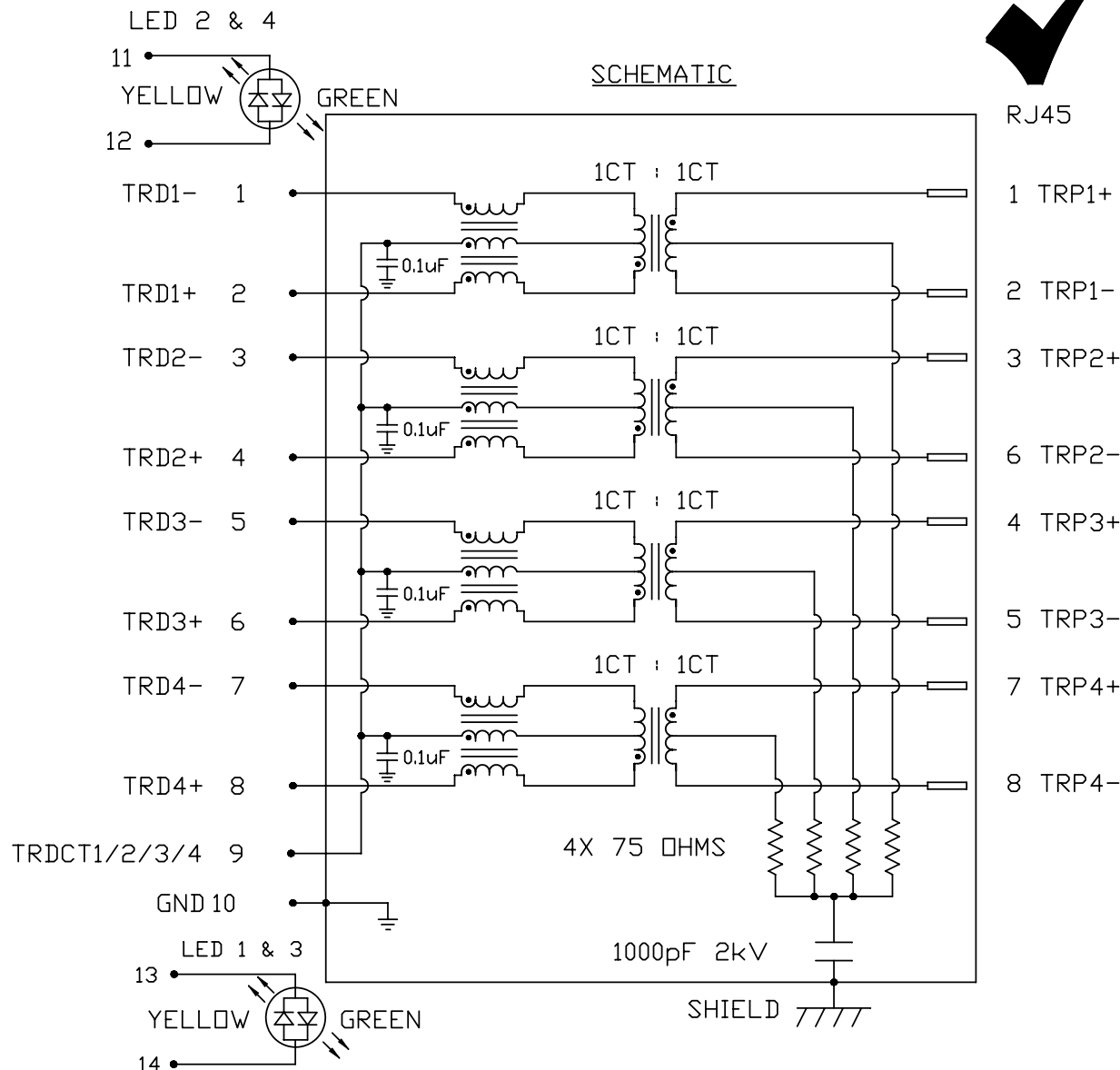
### HIPOT (Isolation Voltage):

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



RoHS  
2002/95/EC

RJ45

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

.X  
.XX  
.XXX

[ ] METRIC DIM. AS REFERENCE

UNIT : INCH [mm] REV. : A

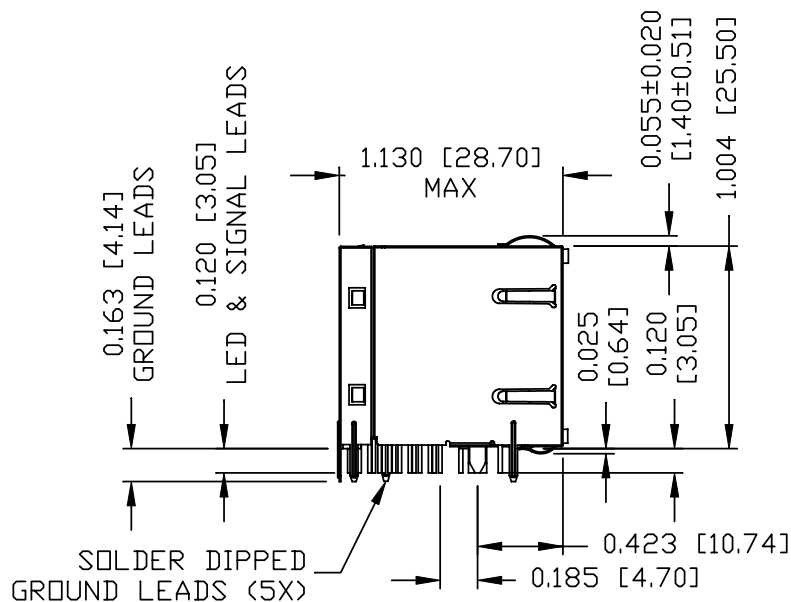
SCALE : N/A SIZE : A4

PAGE : 2

bel  
COMPONENTS FOR A  
CONNECTED  
PLANET

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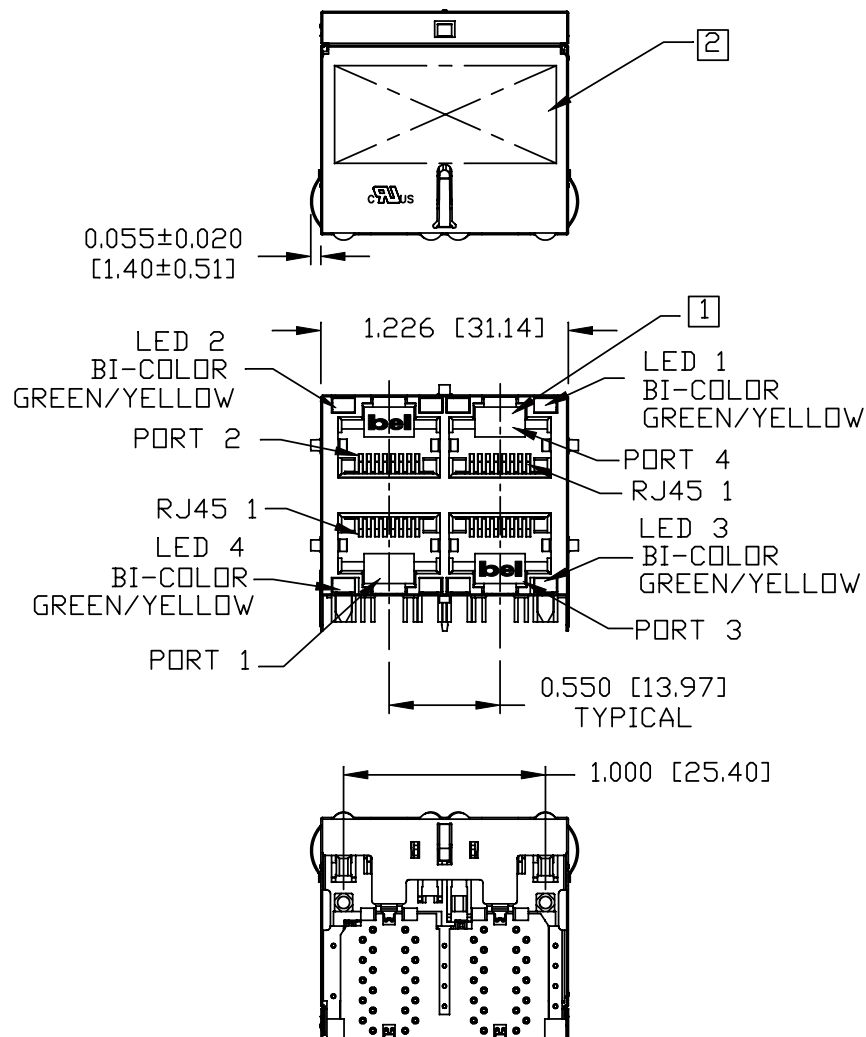
RoHS  
2002/95/EC



#### 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)

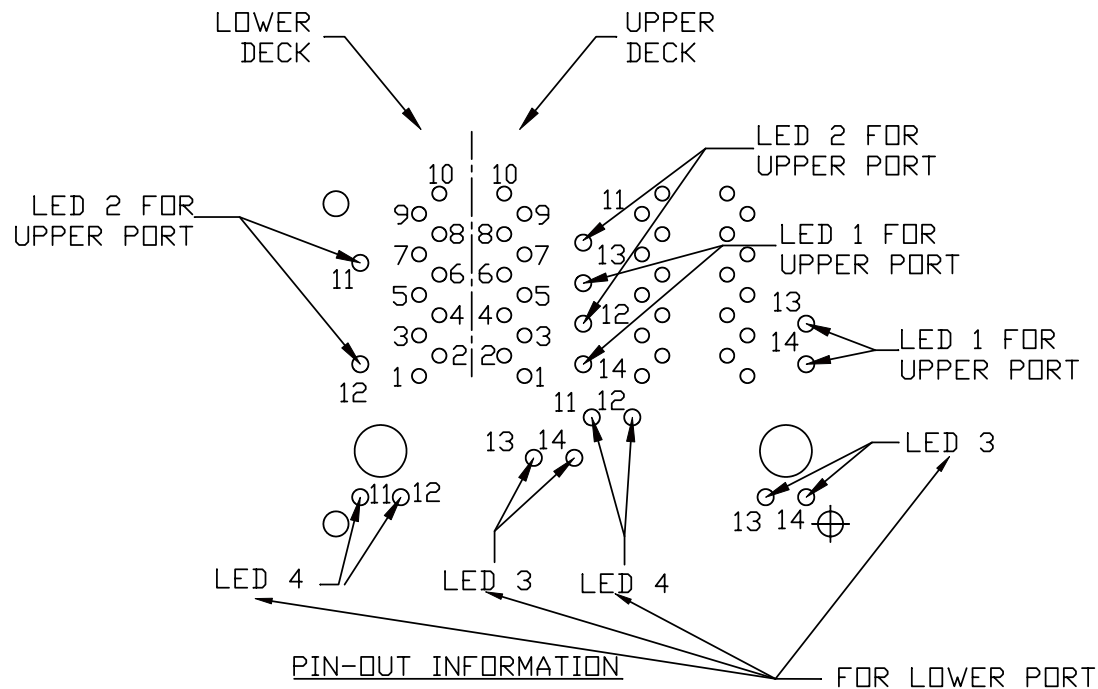
1. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
2. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE AND PATENTED.
3. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.



UL 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 .XX .XXX	UNIT : INCH [mm] SCALE : N/A REV. : A SIZE : A4 PAGE : 3
DRAWN BY	DATE		FILE NAME		
XIAN JIAXIN	11-21-09		0879-2C2R-54_A.DWG	±0.010	

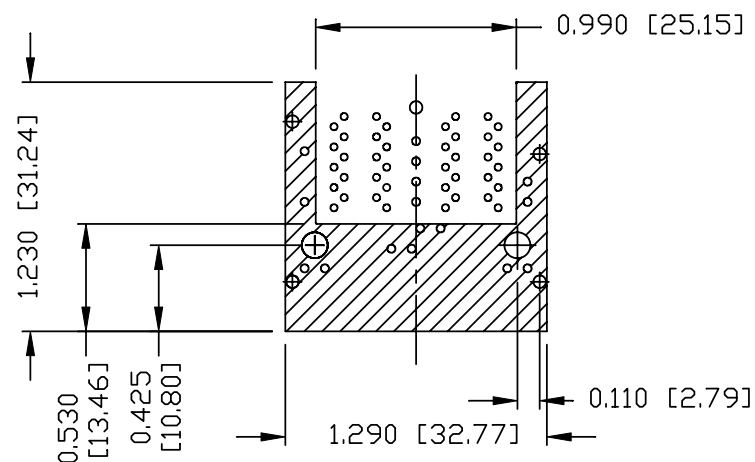
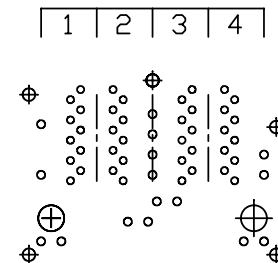
**bel**  
COMPONENTS FOR A  
CONNECTED  
PLANET



PIN-OUT INFORMATION  
(COMPONENT SIDE VIEW)

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
LIU QIN	11-21-09
DRAWN BY	DATE
XIAN JIAXIN	11-21-09

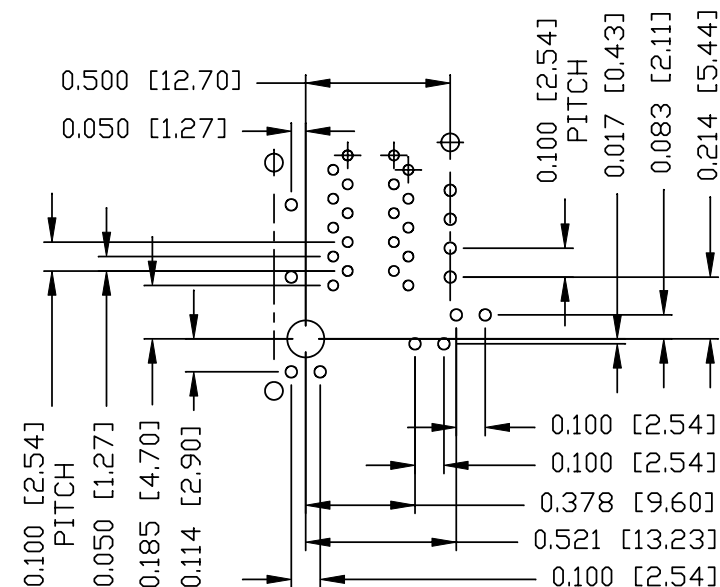
TITLE
2X2 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores) PATENTED


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

STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE
.X	UNIT : INCH [mm]
.XX	SCALE : N/A
.XXX	±0.004
	REV. : A
	SIZE : A4
	PAGE : 4



**RoHS**  
2002/95/E

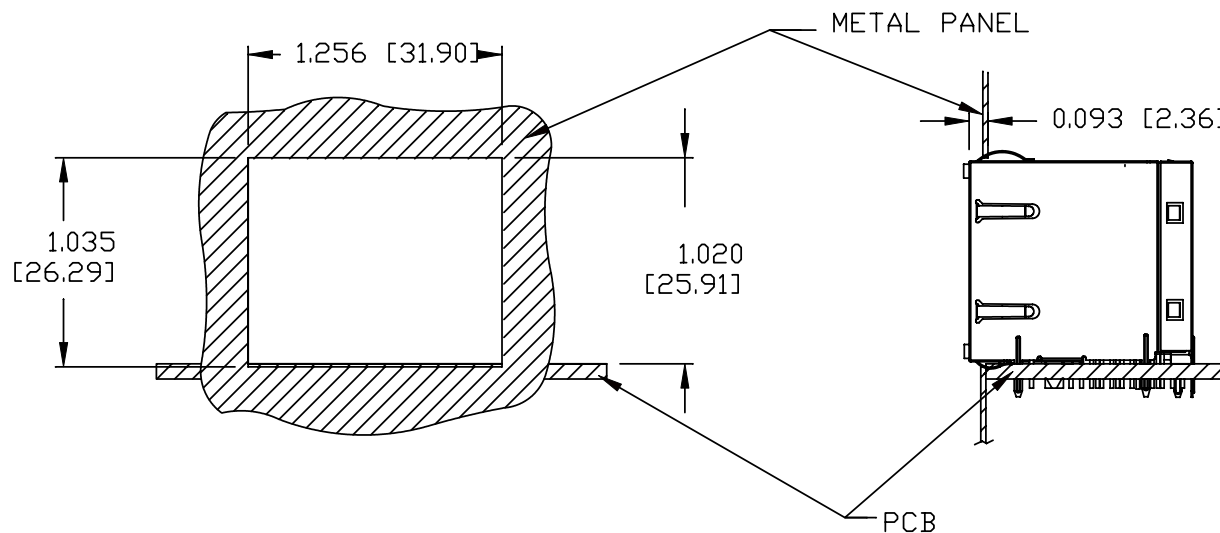


ORIGINATED BY	DATE	TITLE 2X2 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores) PATENTED	PART NO. / DRAWING NO.	STANDARD DIM.		[ ] METRIC DIM. AS REFERENCE		 <b>bel</b> <small>COMPONENTS FOR CONNECTED PLANET</small>
LIU QIN	11-21-09		0879-2C2R-54	TOL. IN INCH		UNIT : INCH [mm] REV. : A		
DRAWN BY	DATE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



**belmont**  
COMPONENTS FOR  
CONNECTED  
PLANETS

# 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)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[ ] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : A
LIU QIN	11-21-09	2X2 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores) PATENTED	0879-2C2R-54	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX			PAGE : 6
XIAN JIAXIN	11-21-09			.XXX	±0.004		