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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.

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) @ 100ΩHMS ±15%

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):

RJ1-8 TO SHIELD 1500 Vrms

RJ1-8 TO PIN1-10 1500 Vrms

PIN1-14 TO SHIELD 800 VDC

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)

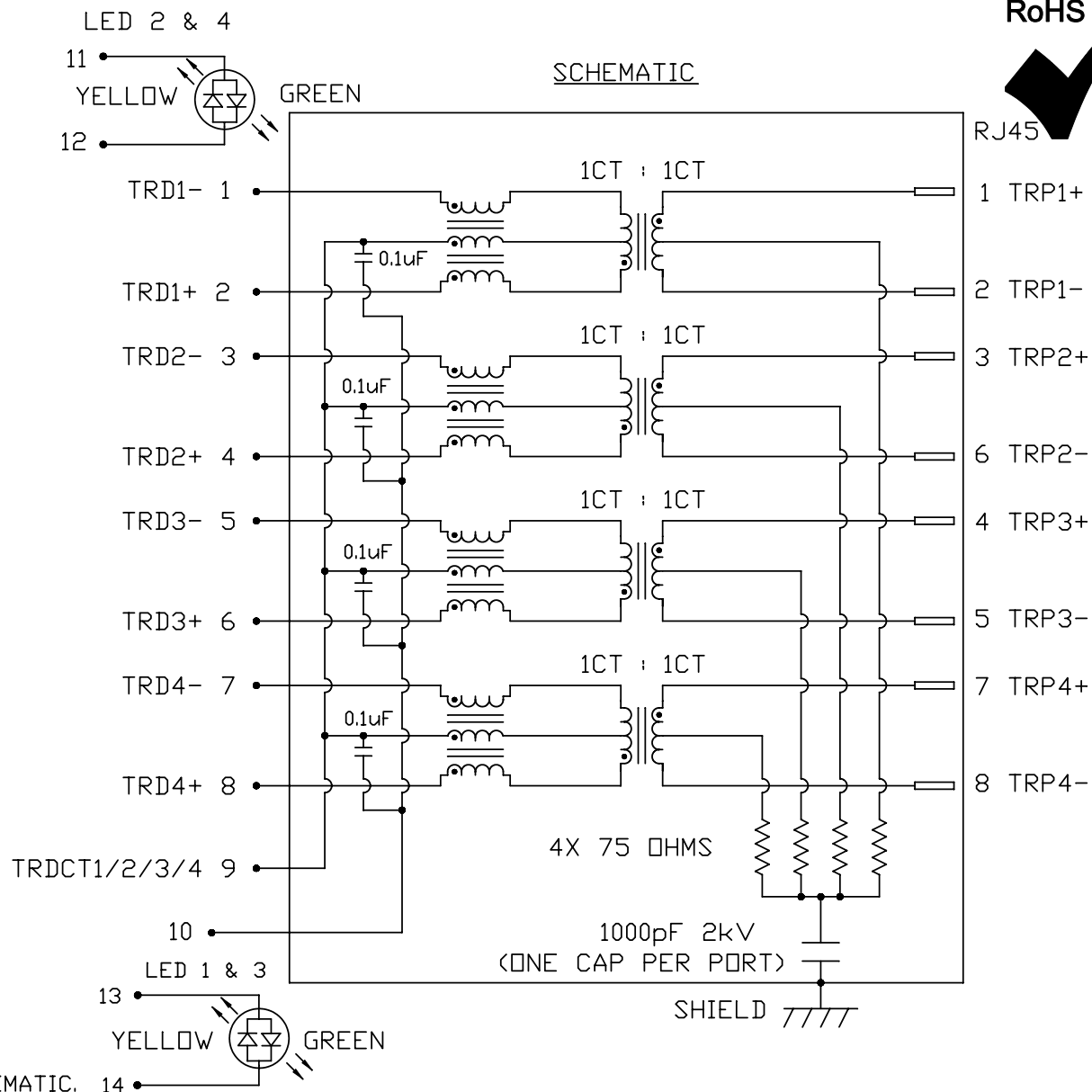
IF=20mA GREEN 565nm TYP.

IF=20mA YELLOW 590nm TYP.

OPERATING TEMPERATURE: -40°C TO 85°C

REMARK:

THIS SCHEMATIC IS DIFFERENT FROM BEL STANDARD SCHEMATIC.



RoHS

RJ45

ORIGINATED BY DATE
CHOW WANCHUNG 2012-07-30

DRAWN BY DATE
TAN QIGUANG 2012-07-30

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

PART NO. / DRAWING NO.
0879-2C2R-Y4

FILE NAME
0879-2C2R-Y4_D.DWG

STANDARD DIM.
TOL. IN INCH

.X
.XX
.XXX

[] METRIC DIM. AS REFERENCE

UNIT : INCH [mm] REV. : D

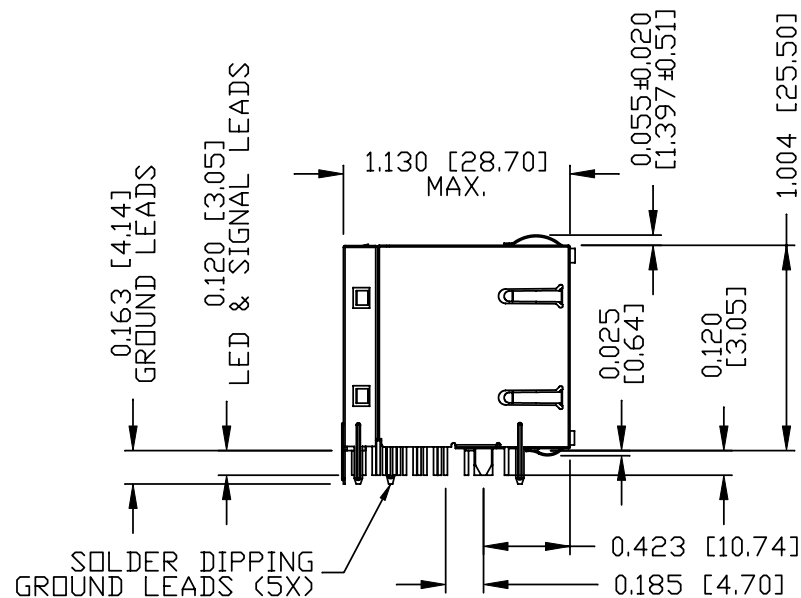
SCALE : N/A SIZE : A4

PAGE : 2

bel
COMPONENTS OR A
CONNECTED
PLANET

Additional Resources: [Product Page](#) [3D Model](#) [PCB Footprint](#) [Technical Documentation](#)

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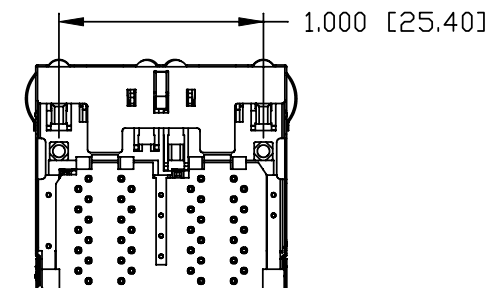
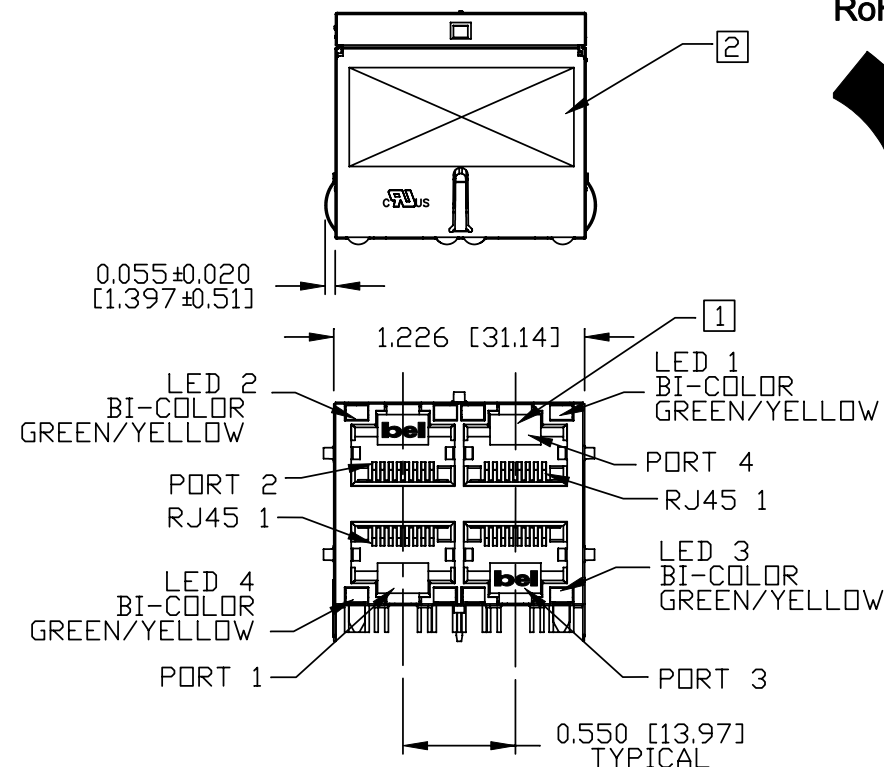


NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING 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)

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

UL USUL RECOGNIZED - FILE #E196366 AND E169987.



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ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
ANTON LIAO	2012-07-30	2X2 gigabit MagJack® WITH UPPER AND LOWER LED	0879-2C2R-Y4	TOL. IN INCH	UNIT : INCH [mm] REV. : D
DRAWN BY	DATE	(8 Cores)	FILE NAME	.X	SCALE : N/A SIZE : A4
HE ZHEN	2012-07-30	PATENTED	0879-2C2R-Y4_D.DWG	.XX	PAGE : 3
				.XXX	

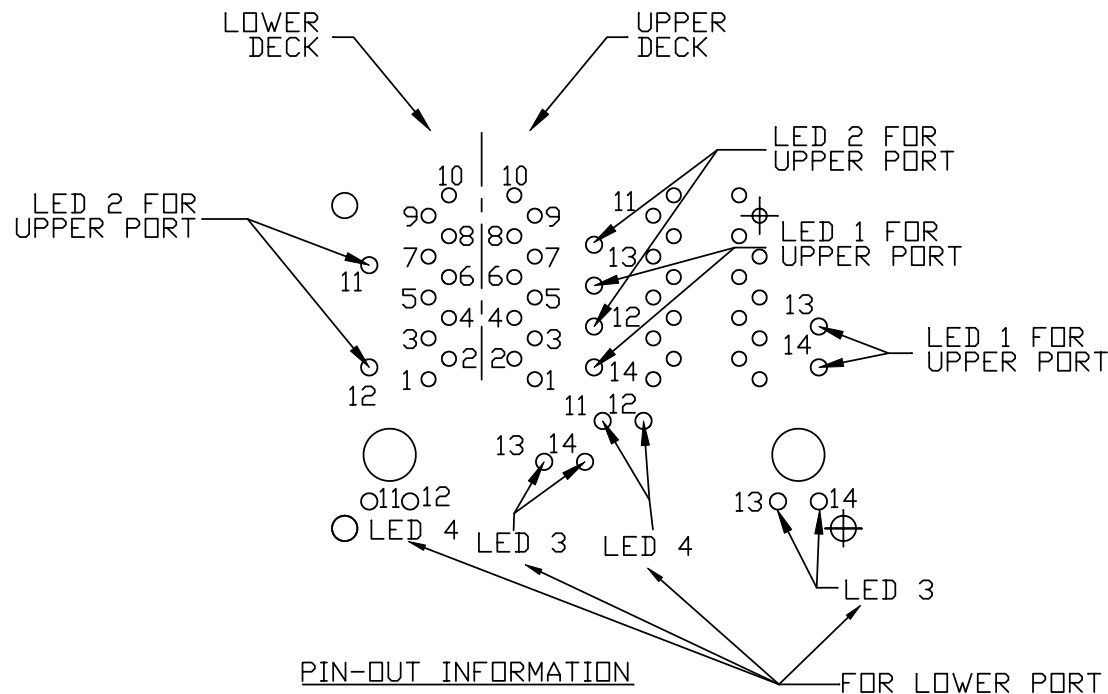


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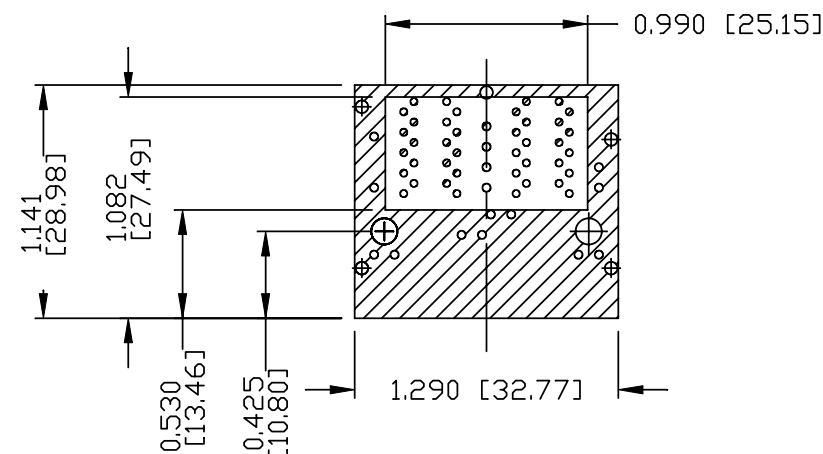
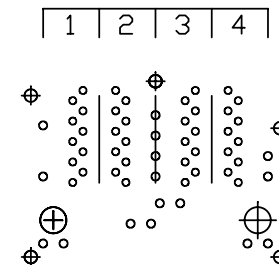
Additional Resources: [Product Page](#) [3D Model](#) [PCB Footprint](#) [Technical Documentation](#)



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+
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.

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TITLE
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PATENTED

PART NO. / DRAWING NO.
0879-2C2R-Y4

FILE NAME
0879-2C2R-Y4_D.DWG

STANDARD DIM.	TOL. IN INCH
.X	
.XX	
.XXX	±0.004

[] METRIC DIM. AS REFERENCE	REV. : D
UNIT : INCH [mm]	SIZE : A4
SCALE : N/A	PAGE : 4

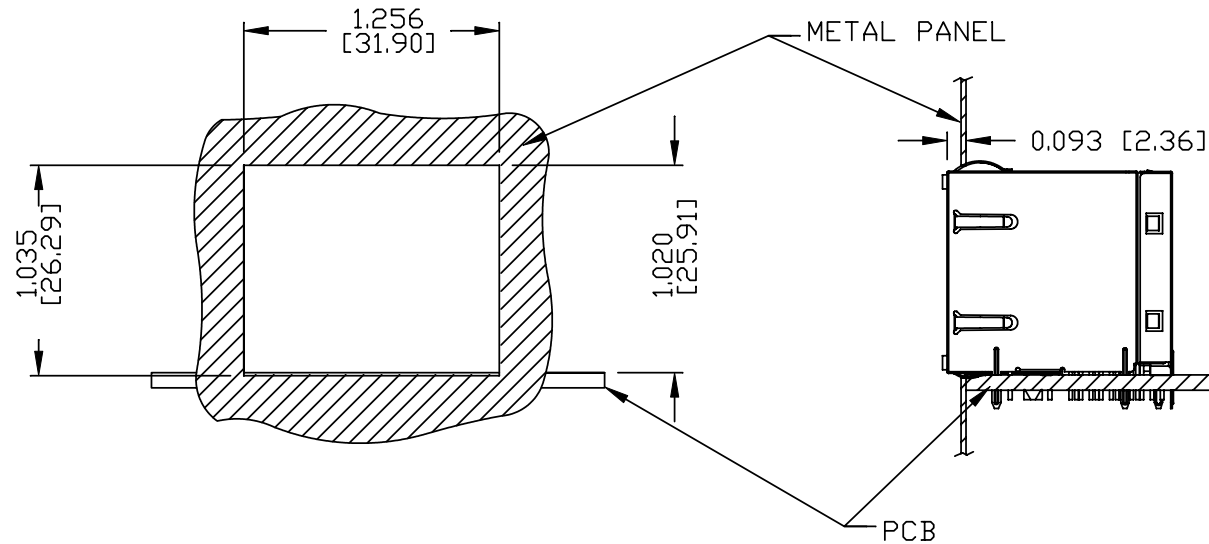


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SUGGESTED PANEL OPENING



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-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	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : D
ANTON LIAO	2012-07-30	2X2 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores) PATENTED	0879-2C2R-Y4	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX			PAGE : 6
HE ZHEN	2012-07-30			.XXX	±0.004		