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RoHS
2002/95/EC

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%

QCL @ 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

CM TO DM REJ

100kHz - 100MHz -35 dB MIN

HIPDT (Isolation Voltage):

RJ1-8 TO SHIELD 1500 Vrms

RJ1-8 TO PIN1-10 1500 Vrms

PIN1-14 TO SHIELD 800 VDC

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

LEDS 1, 2, 3 AND 4

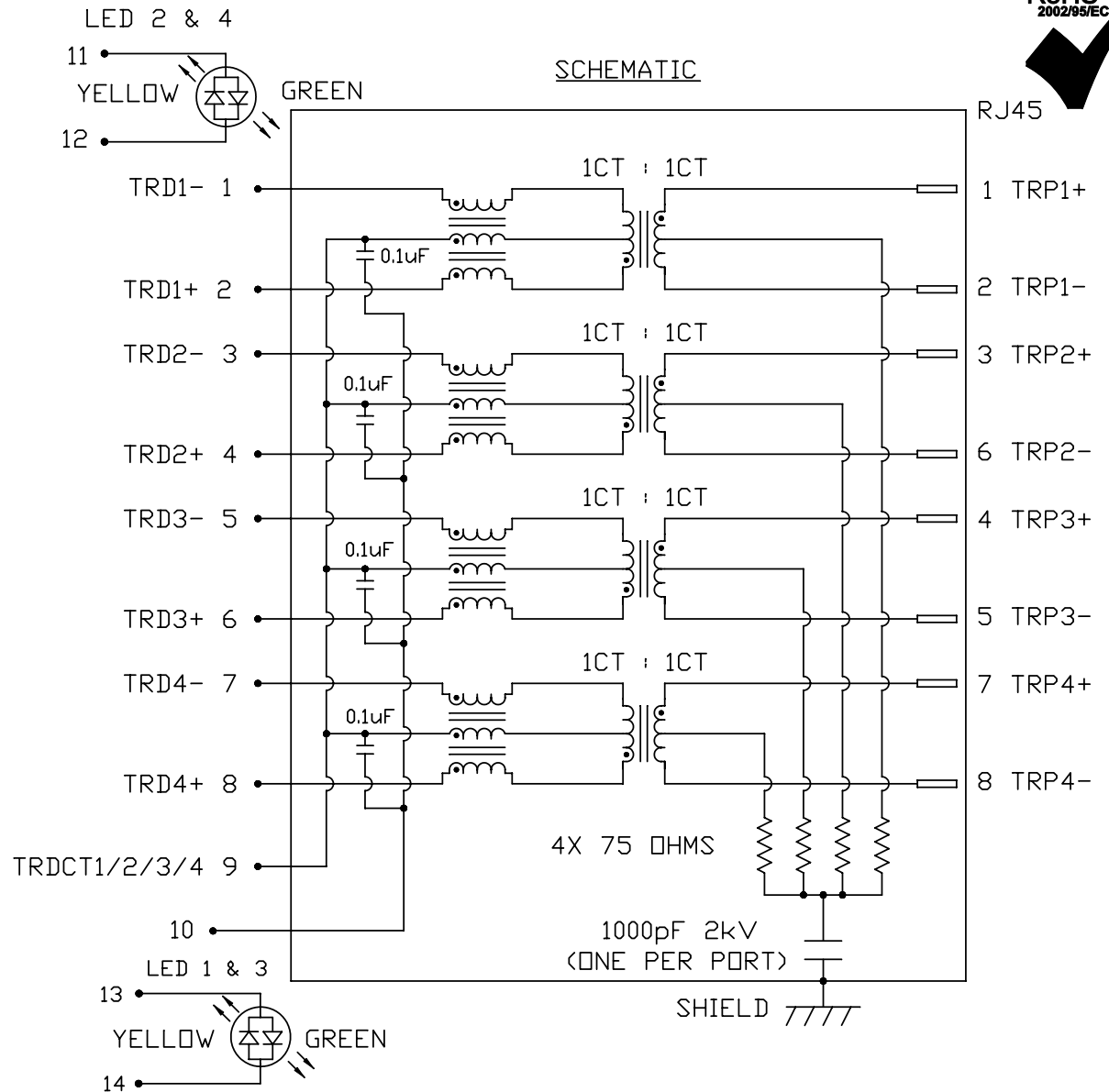
V_F (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.

IF=20mA YELLOW 2.1V TYP.

λ_D (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.

IF=20mA YELLOW 590nm TYP.

OPERATING TEMPERATURE: -40°C TO 85°C



ORIGINATED BY DATE
CHOW WANCHUNG 06-08-10

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

PART NO. / DRAWING NO.
0879-2C1R-DA
FILE NAME
0879-2C1R-DA_A.DWG

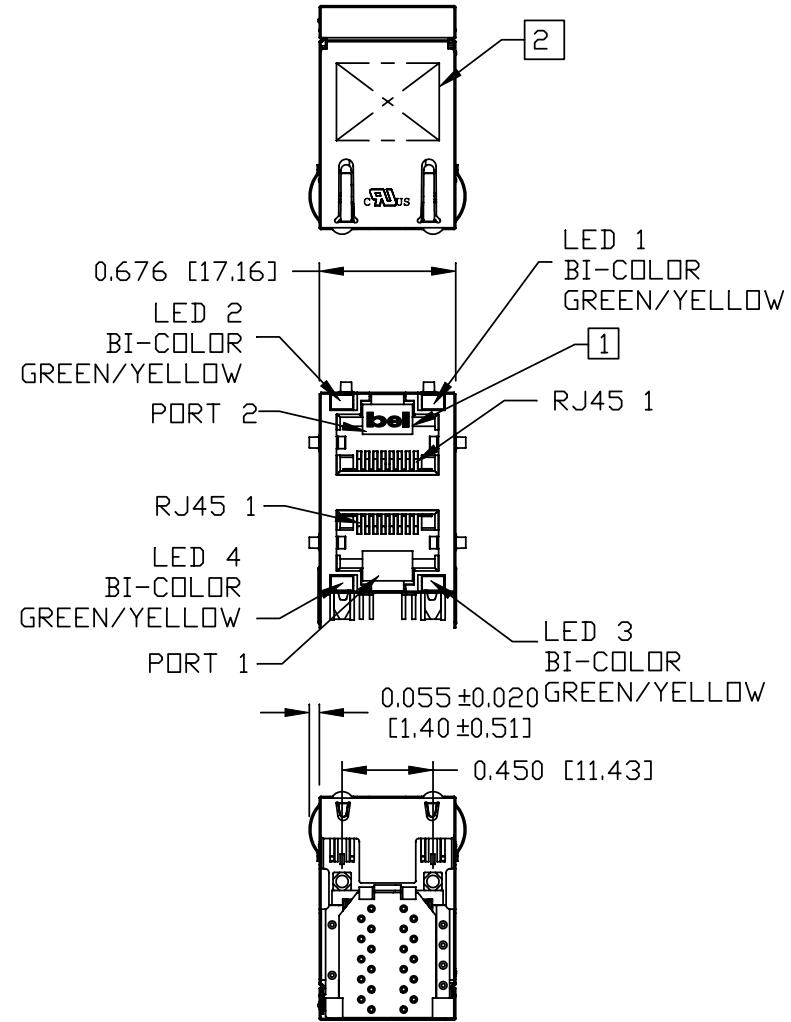
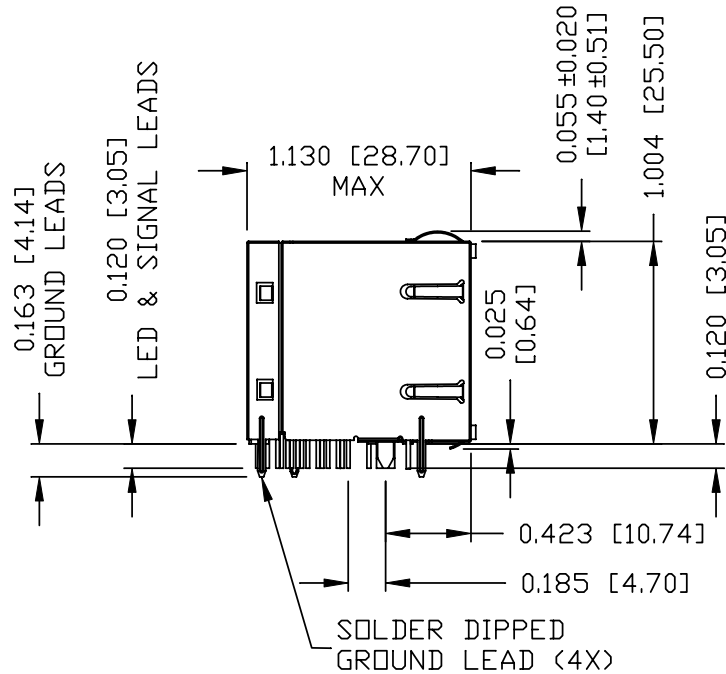
STANDARD DIM.
TOL. IN INCH
.X
.XX
.XXX

[] METRIC DIM. AS REFERENCE
UNIT : INCH [mm]
SCALE : N/A
REV. : A
SIZE : A4
PAGE : 2



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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, PART NUMBER, DATE CODE, MFG NAME AND PATENTED.
- 3. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

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

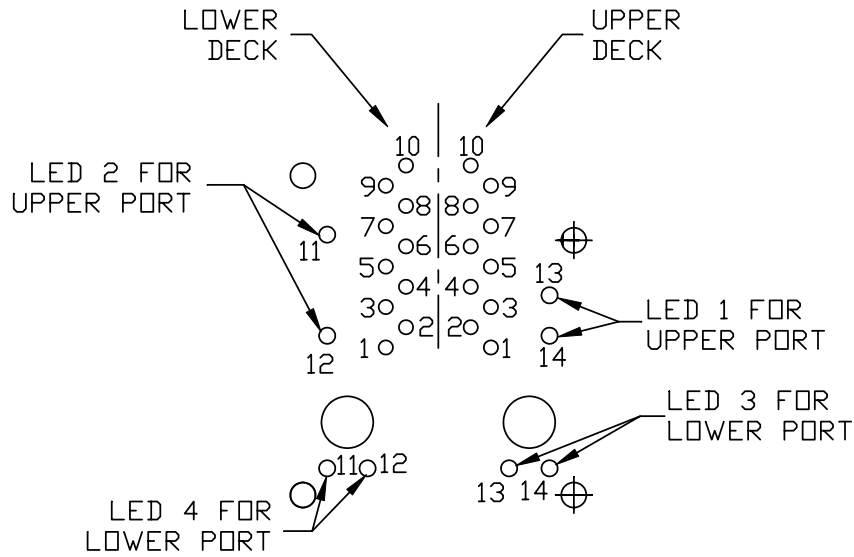
UL RECOGNIZED - FILE #E196366 AND E169987.

ORIGINATED BY ANTON LIAO	DATE 06-08-10	TITLE 2X1 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores) (Extended Temperature)	PART NO. / DRAWING NO. 0879-2C1R-DA	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : A
DRAWN BY SHAWN FENG	DATE 06-08-10		FILE NAME 0879-2C1R-DA_A.DWG	.X	±0.010	SCALE : N/A	SIZE : A4
				.XX		PAGE : 3	
				.XXX			

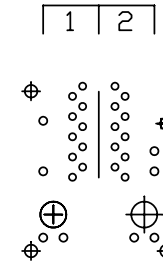


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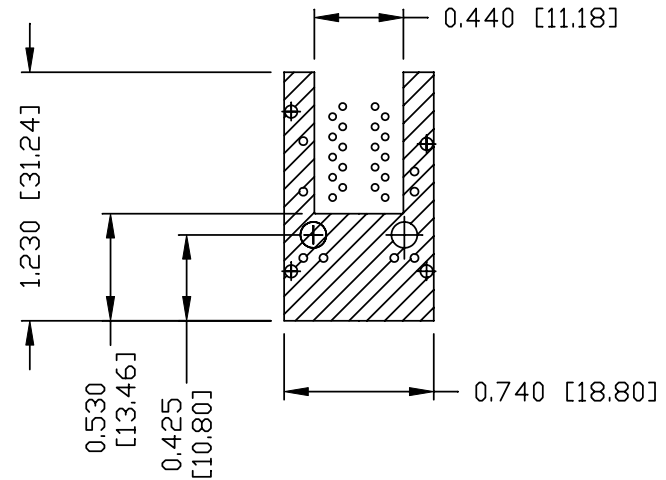


PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

14	YEL (+)/GRN (-)
13	YEL (-)/GRN (+)
12	YEL (+)/GRN (-)
11	YEL (-)/GRN (+)
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.

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DRAWN BY SHAWN FENG	DATE 06-08-10

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(Extended Temperature)

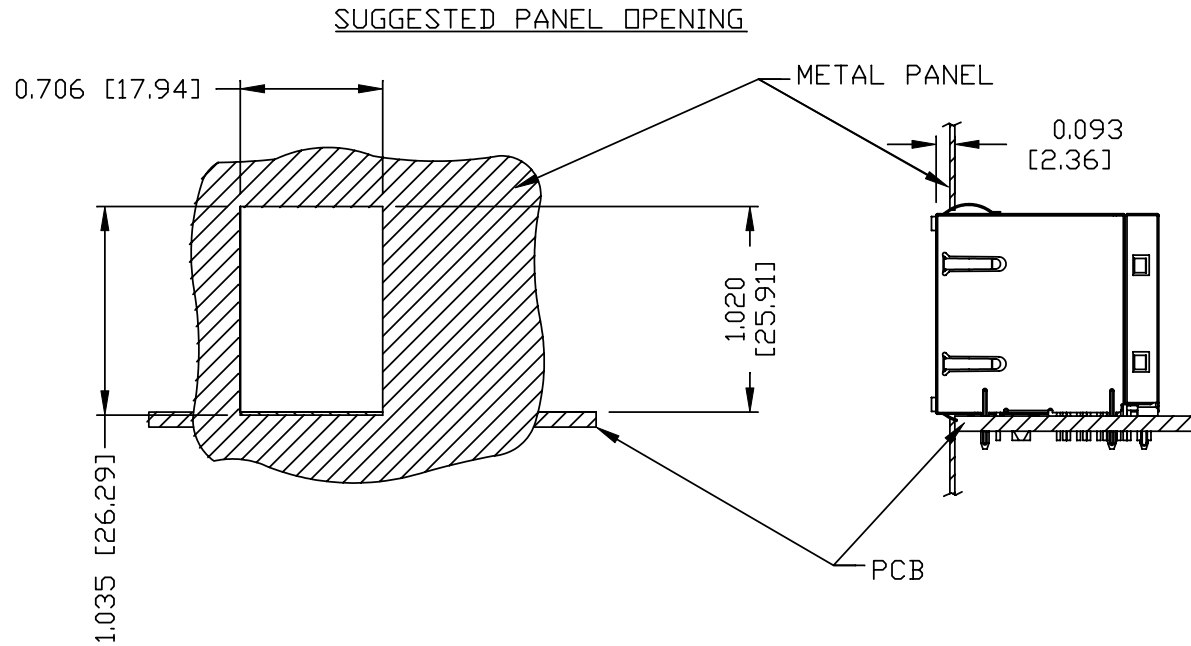
PART NO. / DRAWING NO. 0879-2C1R-DA
FILE NAME 0879-2C1R-DA_A.DWG

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

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



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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

REMARK : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

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DRAWN BY SHAWN FENG	DATE 06-08-10				.XX		SCALE : N/A	SIZE : A4
					.XXX	±0.004		PAGE : 6

