THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

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

TURNS RATIO

TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%

OCL @ 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

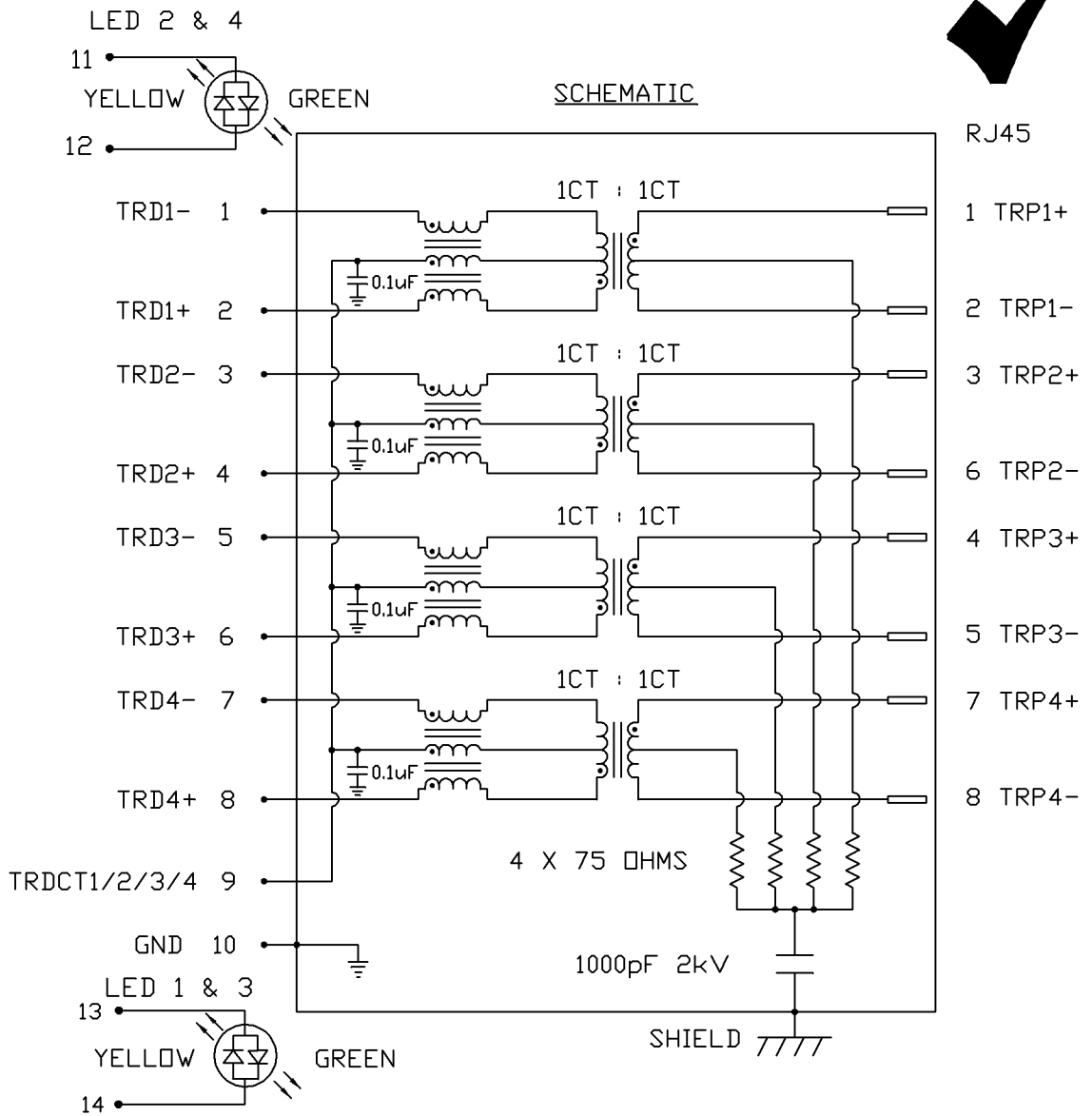
HIPOT (Isolation Voltage): 1500 Vrms

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.
	IF=20mA	YELLOW	2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.
	IF=20mA	YELLOW	590nm TYP.

SCHEMATIC

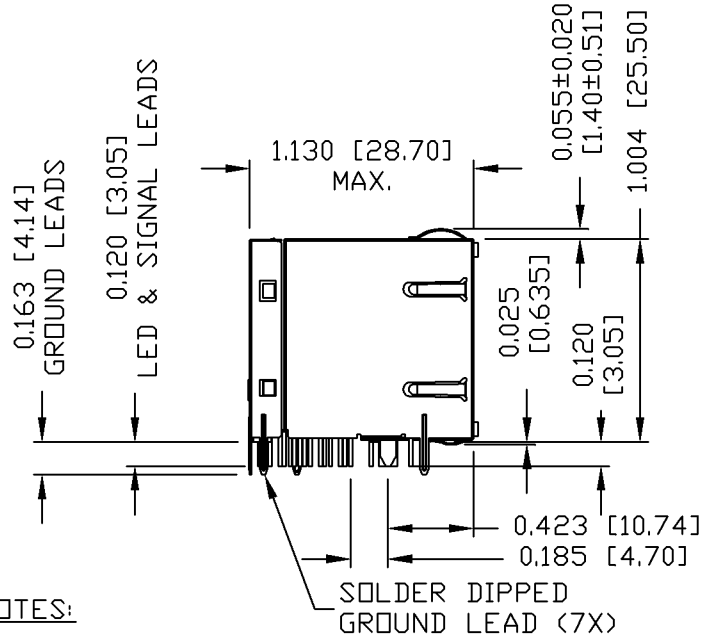


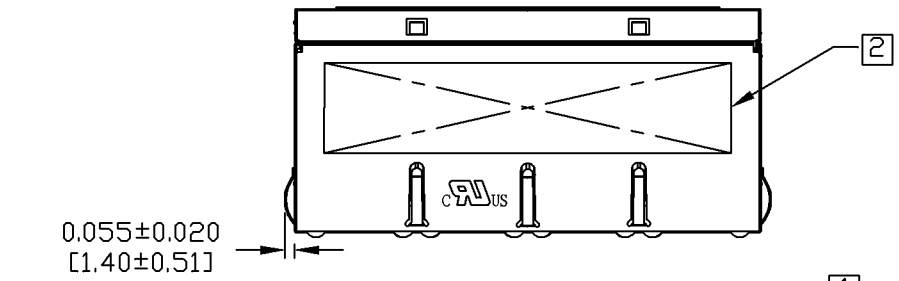
ORIGINATED BY: CHOW WANCHUNG	DATE: 11-28-08	TITLE: 2X4 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores)	PART NO. / DRAWING NO.: 0879-2C4R-54	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX	[ ] METRIC DIM. AS REFERENCE	bel COMPONENTS FOR A CONNECTED PLANET
DRAWN BY: WEIDE LEE	DATE: 11-28-08		FILE NAME: 0879-2C4R-54_B.DWG		UNIT : INCH [mm] / SCALE : N/A / REV. : B / SIZE : A4 / PAGE : 2	

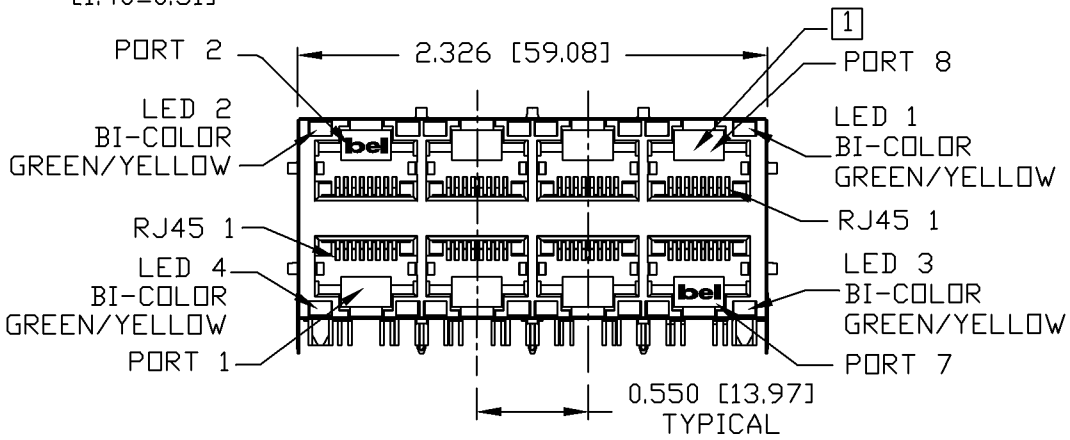
This document is electronically generated. This is a controlled copy if used internally

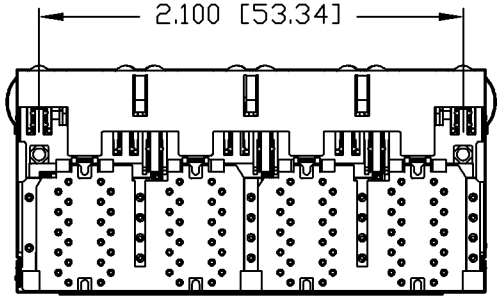
THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

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, AND DATE CODE.

3. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

c UL us RECOGNIZED - FILE #E196366 AND E169987.

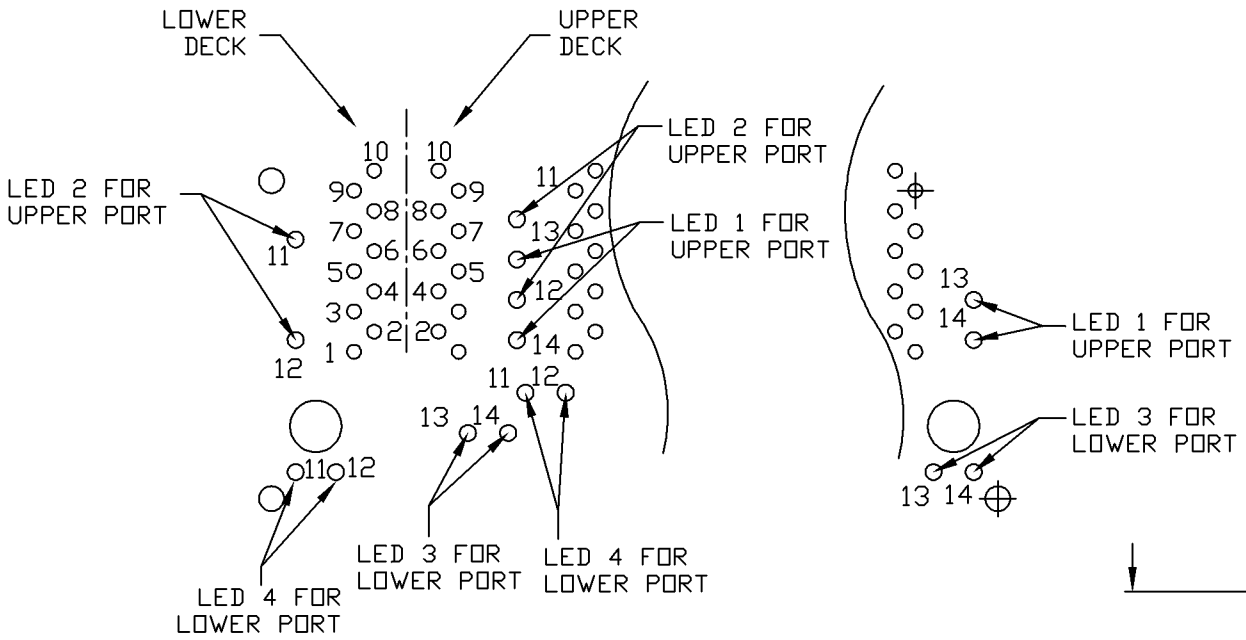
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE	
ANTON LIAO	11-28-08	2X4 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores)	0879-2C4R-54	.X		UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE		FILE NAME	.XX		SCALE : N/A	SIZE : A4
SANDY LIN	11-28-08		0879-2C4R-54_B.DWG	.XXX	±0.010		PAGE : 3

bel COMPONENTS FOR A CONNECTED PLANET

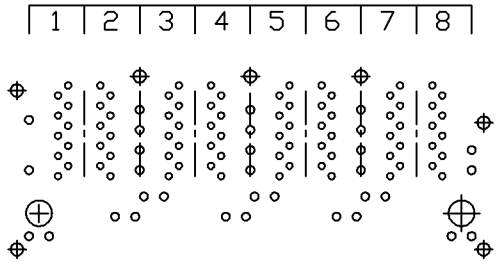
This document is electronically generated. This is a controlled copy if used internally

THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

RoHS 2002/95/EC

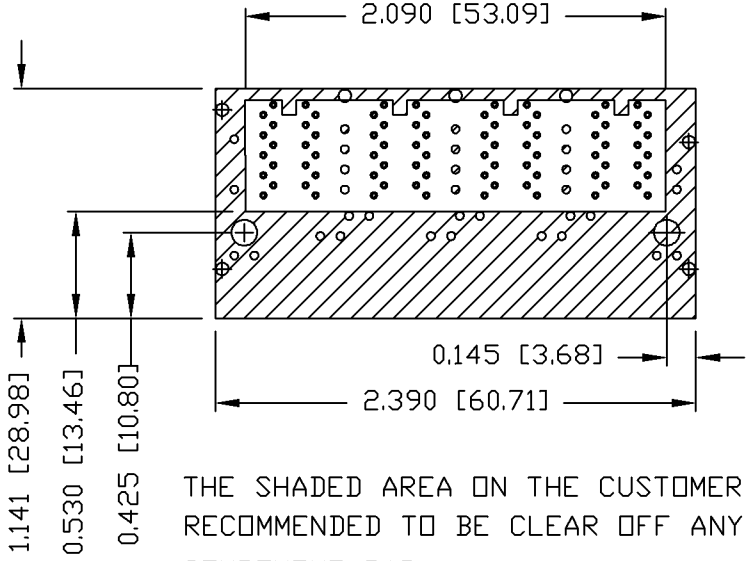


PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



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 (-)



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

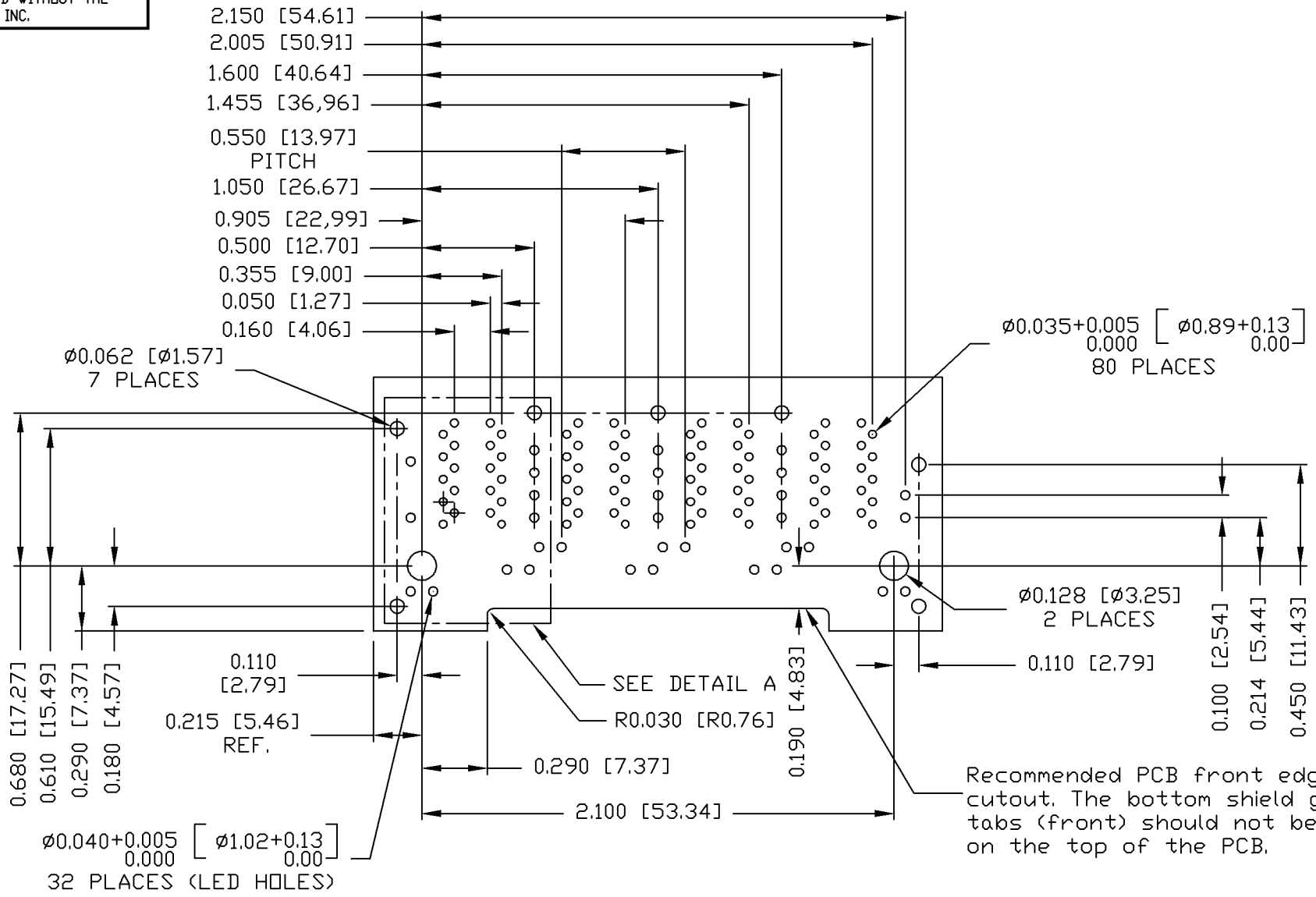
ORIGINATED BY: ANTON LIAO	DATE: 11-28-08	TITLE: 2X4 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores)	PART NO. / DRAWING NO.: 0879-2C4R-54	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX ±0.004	[ ] METRIC DIM. AS REFERENCE
DRAWN BY: SANDY LIN	DATE: 11-28-08		FILE NAME: 0879-2C4R-54_B.DWG		UNIT : INCH [mm] / REV. : B
					SCALE : N/A / SIZE : A4
					PAGE : 4

bel COMPONENTS FOR A CONNECTED PLANET

This document is electronically generated. This is a controlled copy if used internally

THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

RoHS 2002/95/EC



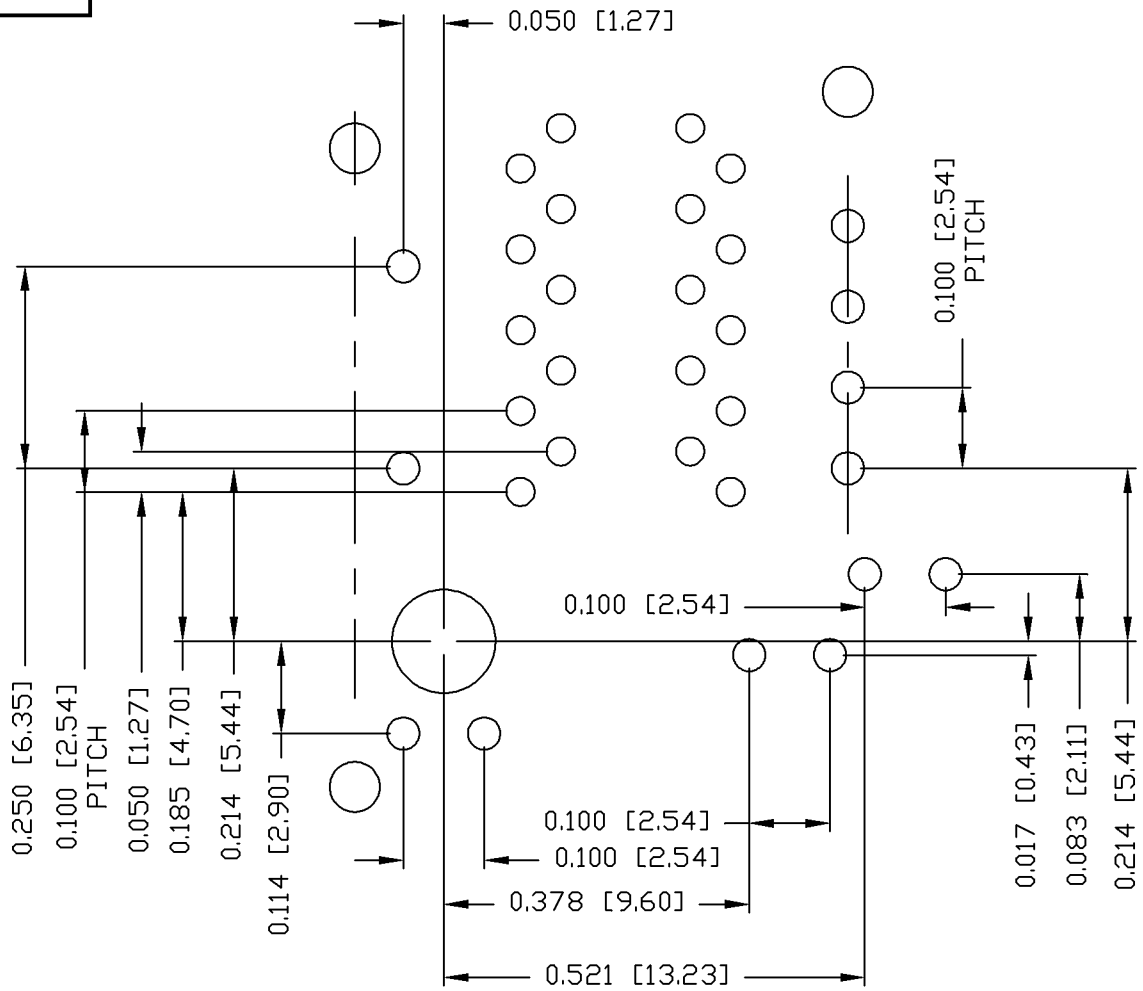
ORIGINATED BY: ANTON LIAO	DATE: 11-28-08	TITLE: 2X4 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores)	PART NO. / DRAWING NO.: 0879-2C4R-54	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX ±0.004	[ ] METRIC DIM. AS REFERENCE
DRAWN BY: SANDY LIN	DATE: 11-28-08		FILE NAME: 0879-2C4R-54_B.DWG		UNIT : INCH [mm] / REV. : B
					SCALE : N/A / SIZE : A4
					PAGE : 5

bel COMPONENTS FOR A CONNECTED PLANET

This document is electronically generated. This is a controlled copy if used internally

THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

RoHS 2002/95/EC



DETAIL A

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE	
ANTON LIAO	11-28-08	2X4 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores)	0879-2C4R-54	.X		UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE		FILE NAME	.XX		SCALE : N/A	SIZE : A4
SANDY LIN	11-28-08		0879-2C4R-54_B.DWG	.XXX	±0.004		PAGE : 6

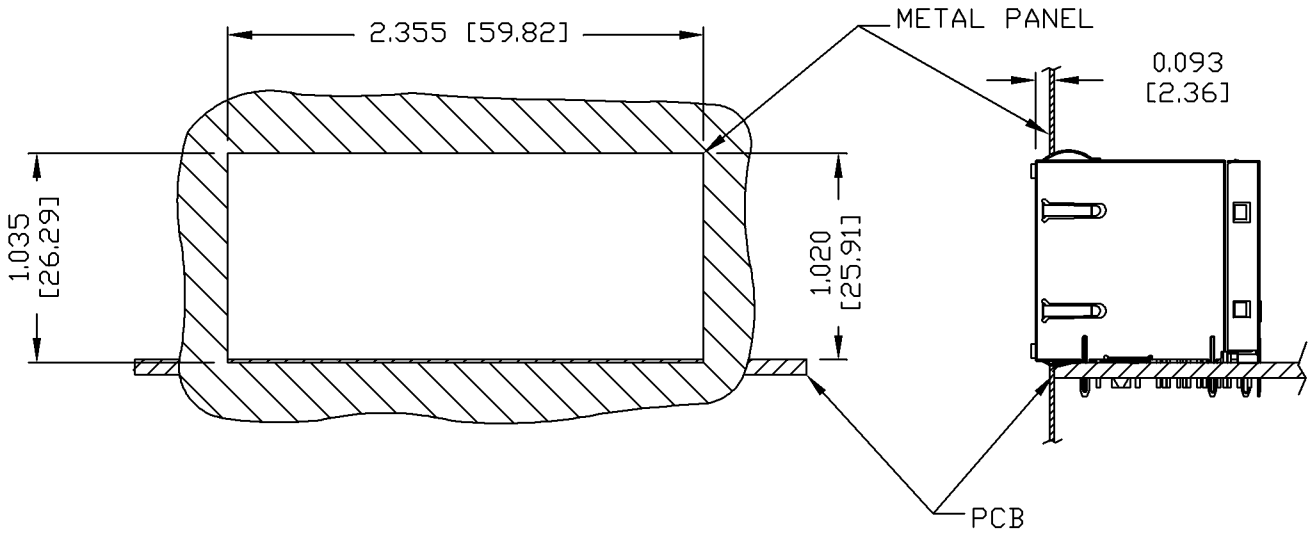
bel COMPONENTS FOR A CONNECTED PLANET

This document is electronically generated. This is a controlled copy if used internally

THE INFORMATION CONTAINED HEREIN IS CONSIDERED 'PROPRIETARY' TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

RoHS 2002/95/EC

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-Q1 (TOP)
0200-9999-Q2 (BOTTOM)

PACKING QUANTITY : 20 PCS FINISHED GOODS PER TRAY
7 TRAYS (140 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: ANTON LIAO	DATE: 11-28-08	TITLE: 2X4 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores)	PART NO. / DRAWING NO.: 0879-2C4R-54	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX ±0.004	[ ] METRIC DIM. AS REFERENCE
DRAWN BY: SANDY LIN	DATE: 11-28-08		FILE NAME: 0879-2C4R-54_B.DWG		UNIT : INCH [mm] / REV. : B
					SCALE : N/A / SIZE : A4
					PAGE : 7

bel COMPONENTS FOR A CONNECTED PLANET

This document is electronically generated. This is a controlled copy if used internally

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Modular Connectors / Ethernet Connectors ***category:***

Click to view products by Bel Fuse ***manufacturer:***

Other Similar products are found below :

8949-H88/06BLKA/SN 74441-0010/BKN MP1010RX-1000 MP44RX-1000 PHJ-4P4C-1-V-4 PHP-6P6C-5 GAX-3-66 GAX-8-62 GDCX-PA-66-50 GDCX-PN-64 GDCX-PN-66 GDCX-PN-66-50 GDLX-A-66 GDLX-N-66 GDLX-S-66 GDLX-S-88K GDLX-SMT-S-88 GDTX-S-88-50 GDX-PA-1010 GLX-N-1010M-BLK GLX-S-88M-BLK GMX-N-1010 GMX-S-1010 GMX-S-66 GMX-SMT4-N-88 GPX-2-64 GSGX-N-2-88 GSGX-N-4-88 GSX-NS2-88-3.05 GSX-NS2-88-3.05-50 GSX-NS-88-3.05-50 PT-108A-8C-UL PT-J951-8C PTS-J531-8CS-50UL 1-1775629-2 A-2014-0-4 GWLX-S-88-GR GWLX-S9-88-YG DC-1021-8-WH-6 1300530003 1324640-4 RJ11FTVC2G RJ11FTVC2N RJFTVX2SA1G 132764-001 1413235 MP88X-1000 MPS88RX-5000 E5288-S000K3-L E5908-15A242-L