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LED 2 & 4 POLARITY			LED 1 & 3 POLARITY		
PIN 7	PIN 8	COLOR	PIN 9	PIN 10	COLOR
+	−	GREEN	+	−	YELLOW
−	+	ORANGE			

PRELIMINARY

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ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
OCL @ 100kHz/100mVRMS	350µH MIN.
8mA DC BIAS (0°C - 70°C)	

INS. LOSS

0.1MHz TO 1MHz	-1.1 dB MAX
1MHz TO 65MHz	-0.5 dB MAX
65MHz TO 100MHz	-1.0 dB MAX

RET. LOSS (MIN) @ 100OHMS ±15%

0.5MHz-40MHz	-18 dB
40MHz-80MHz	-12+20LOG(f/80MHz) dB

CM TO CM REJ

100kHz - 100MHz	-30 dB MIN

CM TO DM REJ

100kHz - 100MHz	-35 dB MIN

CROSS TALK (TX - RX)

100kHz - 100MHz	-35 dB MIN
HIPOT (Isolation Voltage):	1500 Vrms

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

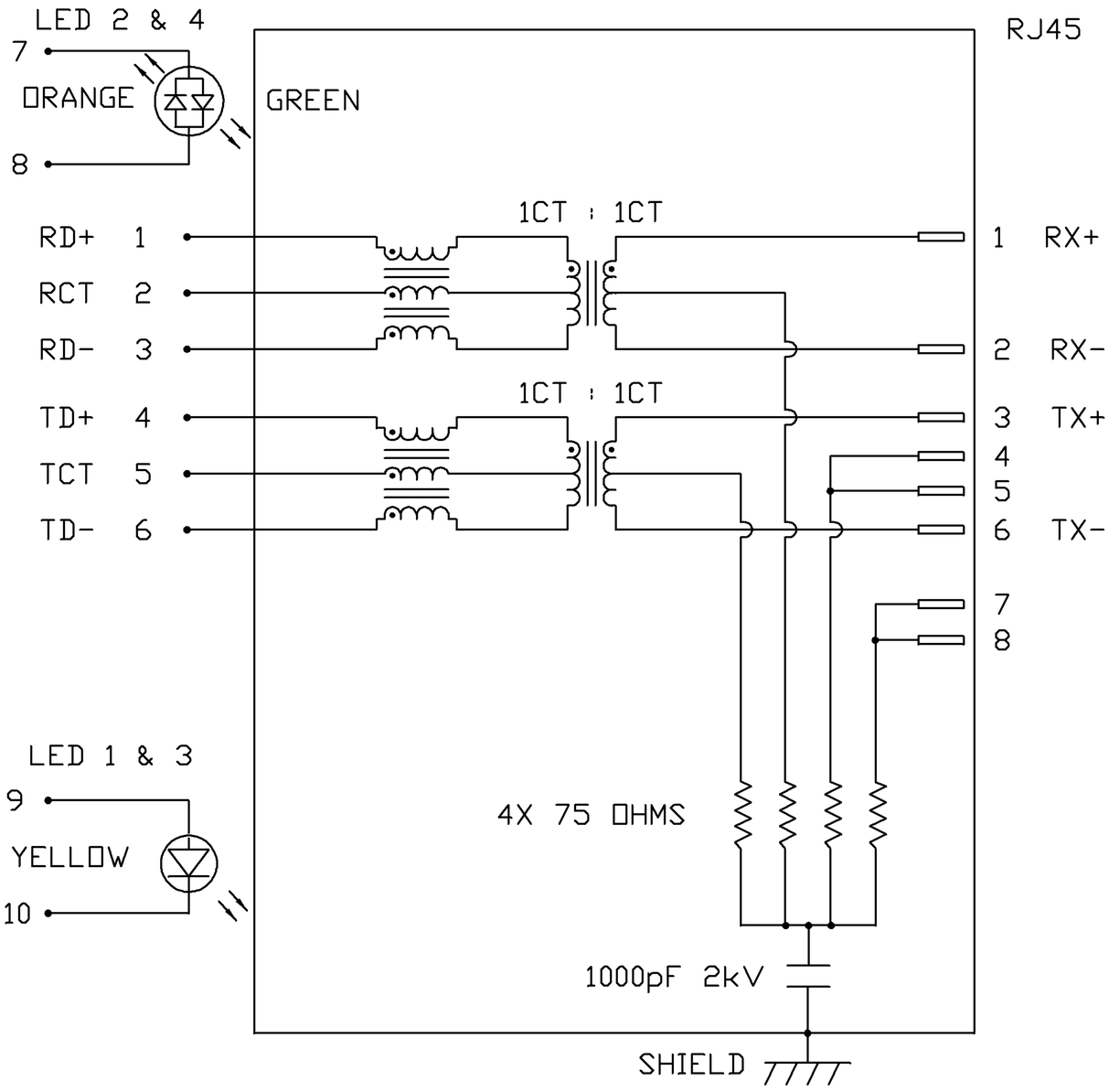
LED 2 & 4

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
		ORANGE	2.0V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.
		ORANGE	610nm TYP.

LED 1 & 3

VF (FORWARD VOLTAGE)	IF=20mA	YELLOW	2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	YELLOW	590nm TYP.

SCHEMATIC



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE	
CHOW WANCHUNG	11-28-08	2X4 MagJack® WITH UPPER AND LOWER LED (4 Cores)	0879-2X4R-Y9	.X	UNIT : INCH [mm]	REV. : PC
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4
WEIDE LEE	11-28-08		0879-2X4R-Y9_PC.DWG	.XXX		PAGE : 2

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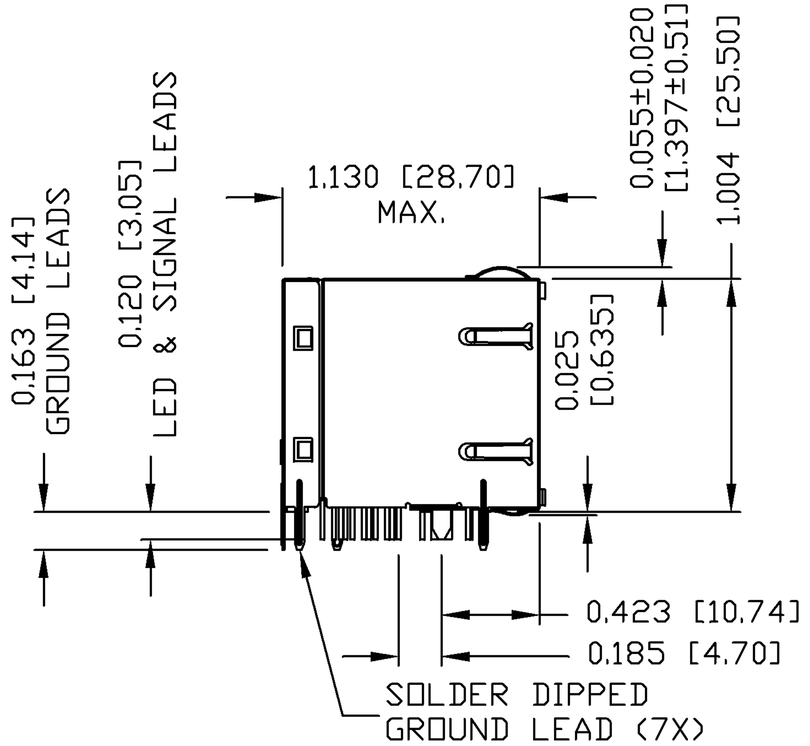
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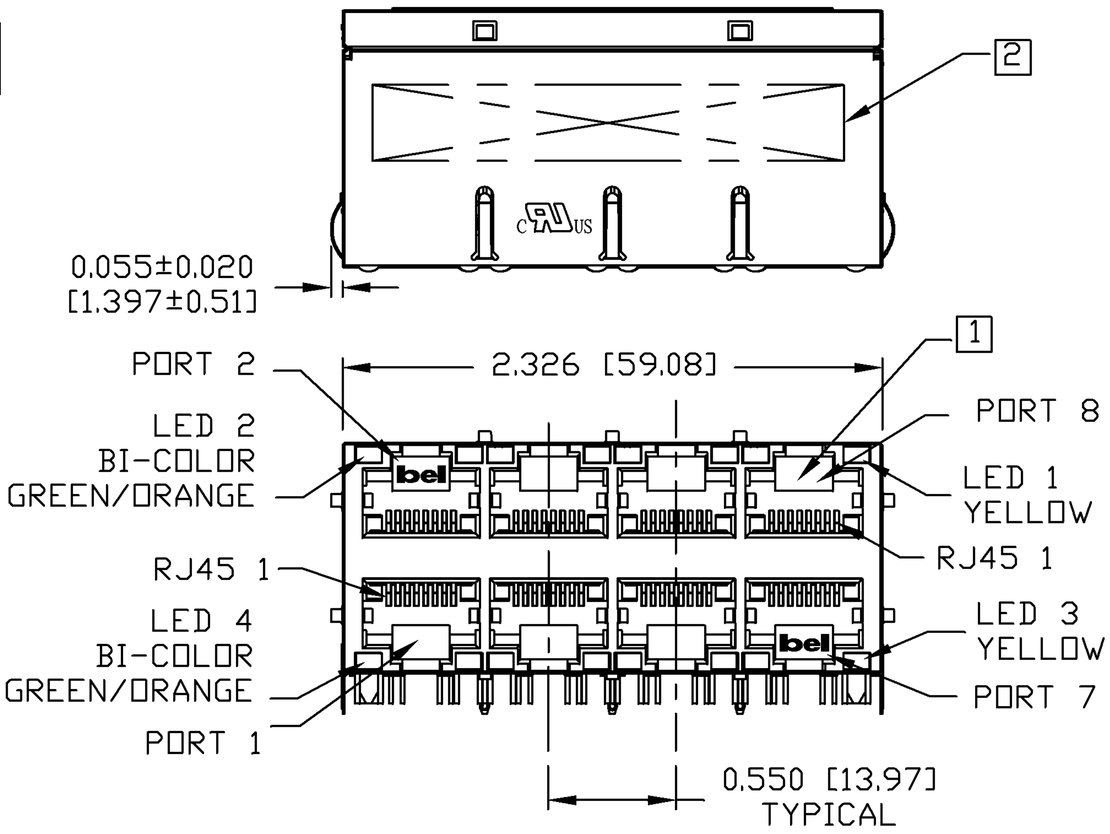
Please read our datasheet & drawing disclaimer here.

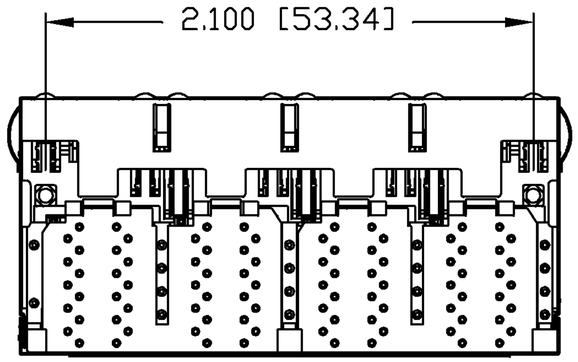
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NOTES:

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

c UL us UL 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 MagJack® WITH UPPER AND LOWER LED (4 Cores)	0879-2X4R-Y9	.X		UNIT : INCH [mm]	REV. : PC
DRAWN BY	DATE		FILE NAME	.XX		SCALE : N/A	SIZE : A4
SANDY LIN	11-28-08		0879-2X4R-Y9_PC.DWG	.XXX	±0.010		PAGE : 3

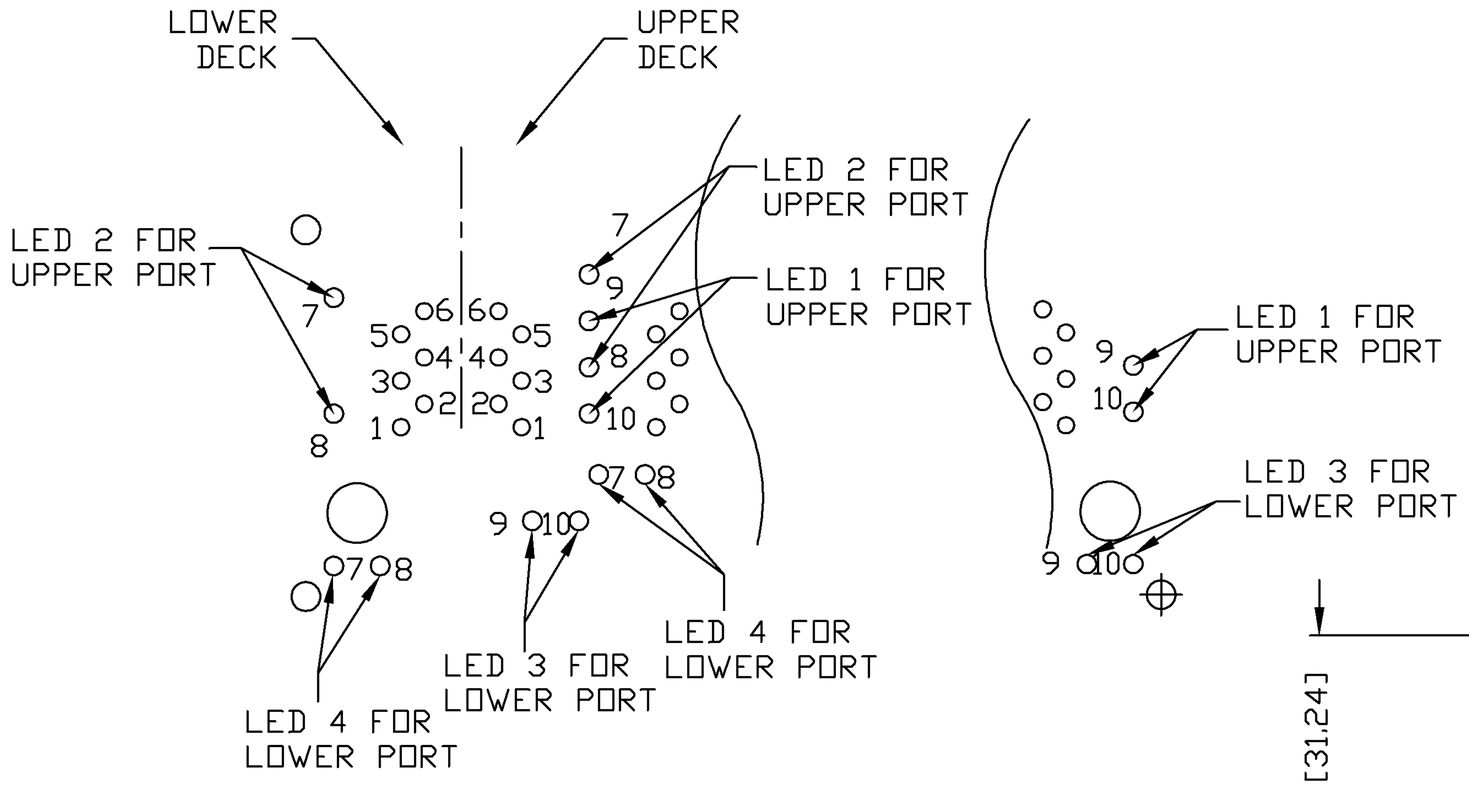
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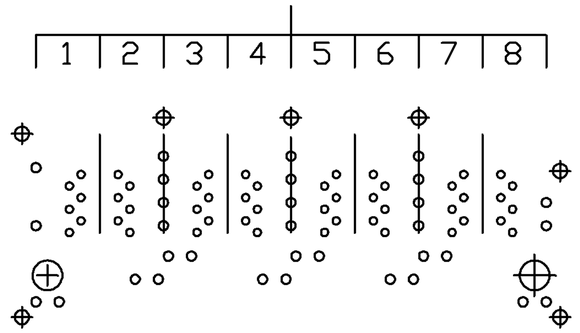
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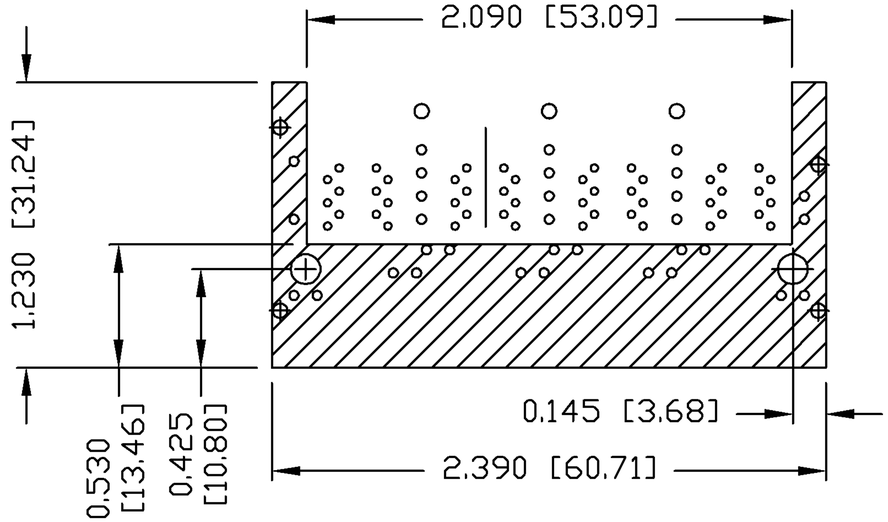


PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

6	TD-		
5	TCT		
4	TD+	10	YELLOW (-)
3	RD-	9	YELLOW (+)
2	RCT	8	GRN (-)/ORG (+)
1	RD+	7	GRN (+)/ORG (-)



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 MagJack® WITH UPPER AND LOWER LED (4 Cores)	PART NO. / DRAWING NO.: 0879-2X4R-Y9	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX ±0.004	[ ] METRIC DIM. AS REFERENCE
DRAWN BY: SANDY LIN	DATE: 11-28-08		FILE NAME: 0879-2X4R-Y9_PC.DWG		UNIT : INCH [mm] / REV. : PC
					SCALE : N/A / SIZE : A4
					PAGE : 4

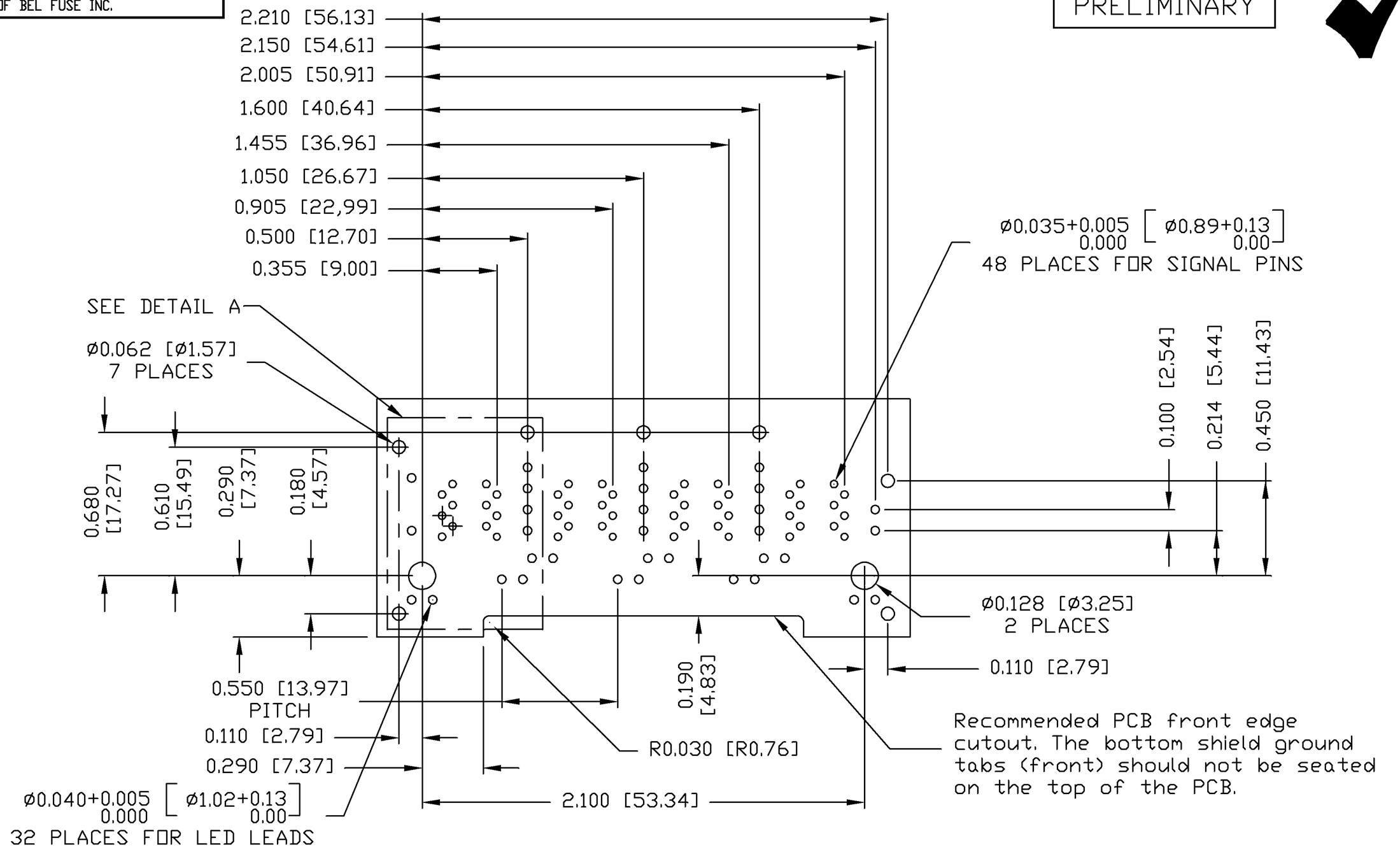
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ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE	
ANTON LIAO	11-28-08	2X4 MagJack® WITH UPPER AND LOWER LED (4 Cores)	0879-2X4R-Y9	.X		UNIT : INCH [mm]	REV. : PC
DRAWN BY	DATE		FILE NAME	.XX		SCALE : N/A	SIZE : A4
SANDY LIN	11-28-08		0879-2X4R-Y9_PC.DWG	.XXX	±0.004		PAGE : 5

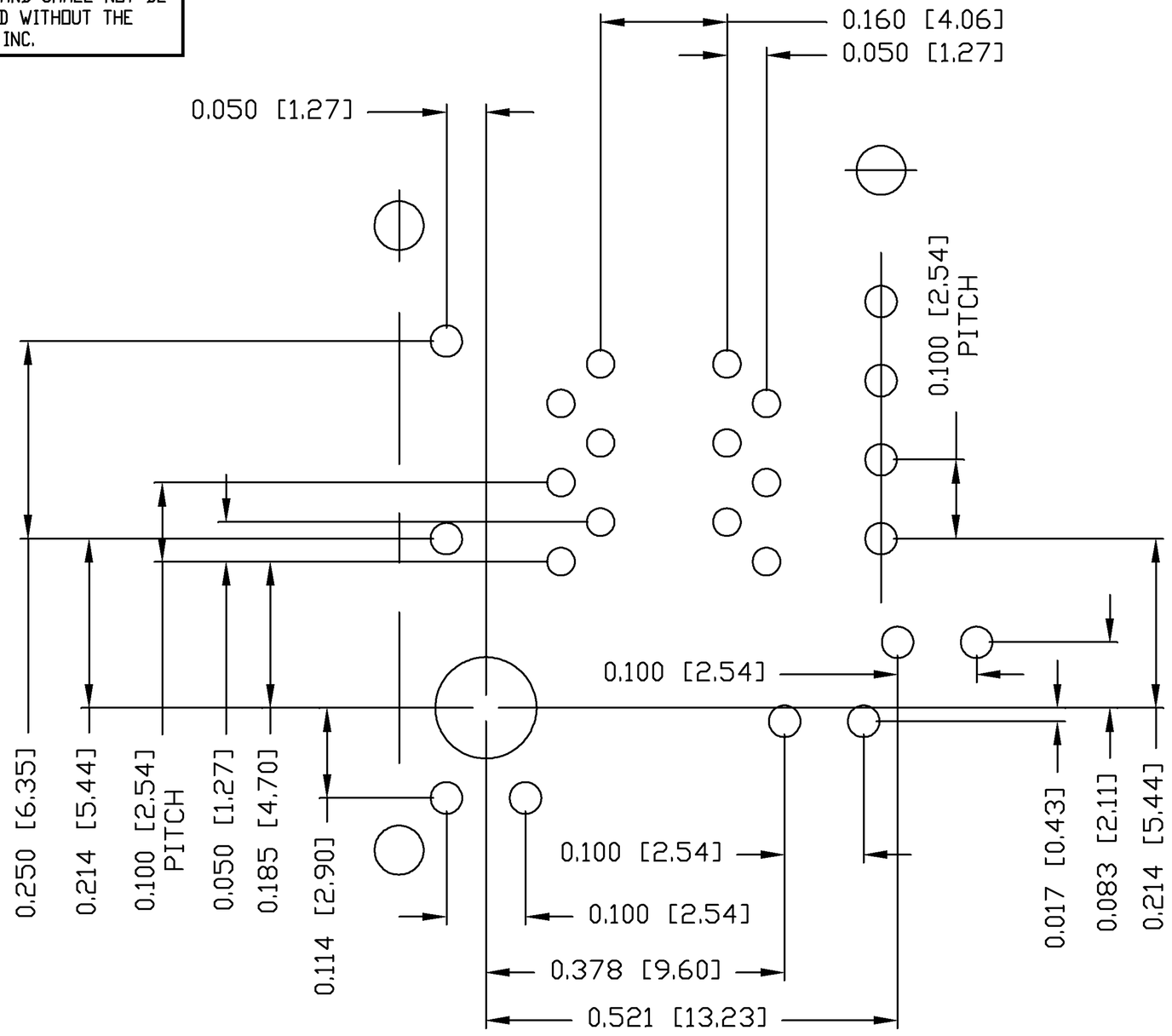
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DETAIL A

ORIGINATED BY: ANTON LIAO	DATE: 11-28-08	TITLE: 2X4 MagJack® WIHT UPPER AND LOWER LED (4 Cores)	PART NO. / DRAWING NO.: 0879-2X4R-Y9	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A CONNECTED PLANET
DRAWN BY: SANDY LIN	DATE: 11-28-08		FILE NAME: 0879-2X4R-Y9_PC.DWG	.X / .XX / .XXX ±0.004	UNIT : INCH [mm]	REV. : PC	
					SCALE : N/A	SIZE : A4	
						PAGE : 6	

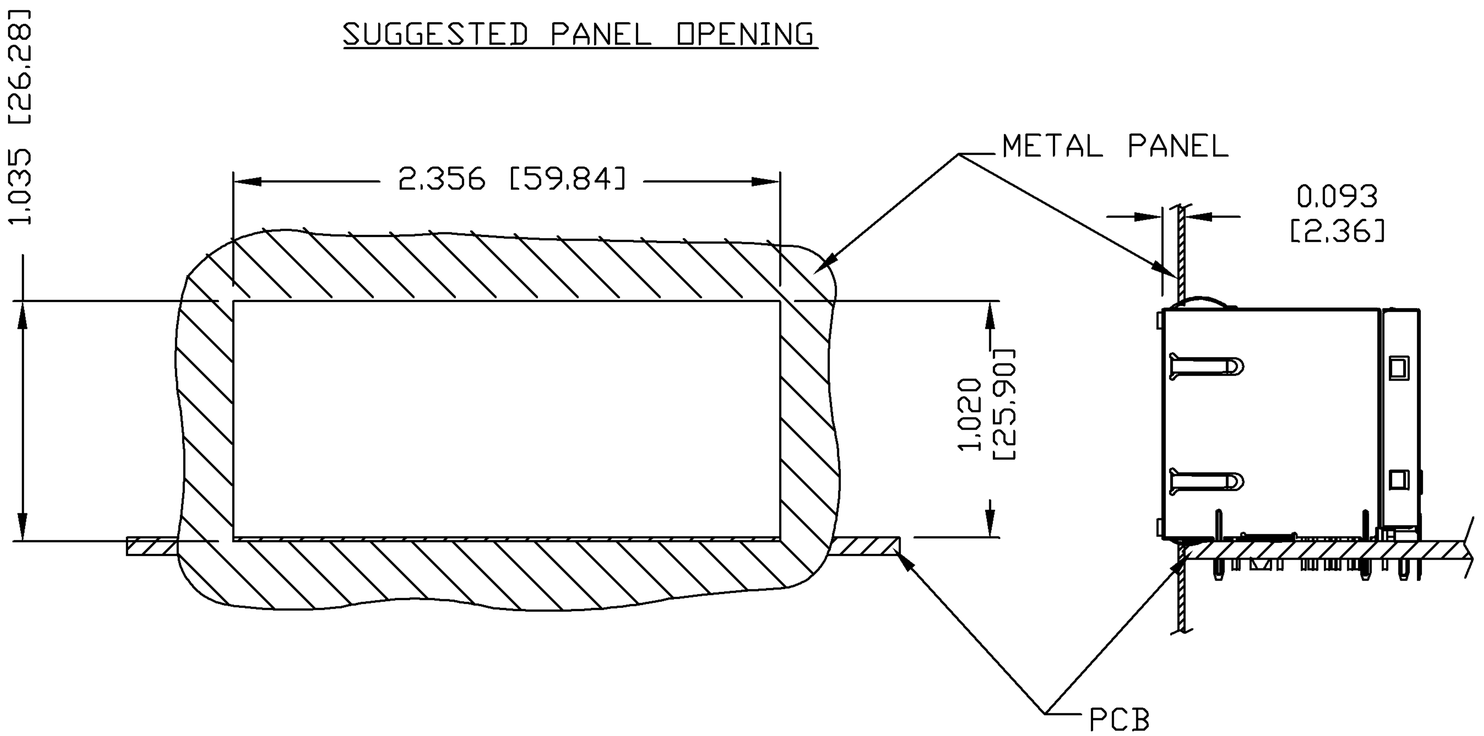
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SUGGESTED PANEL OPENING



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-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	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[ ] ME.PIC DIM. AS REFERENCE	
ANTON LIAO	11-28-08	2X4 MagJack® WITH UPPER AND LOWER LED (4 Cores)	0879-2X4R-Y9	.X		UNIT : INCH [mm]	REV. : PC
DRAWN BY	DATE		FILE NAME	.XX		SCALE : N/A	SIZE : A4
SANDY LIN	11-28-08		0879-2X4R-Y9_PC.DWG	.XXX	±0.004		PAGE : 7

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