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LED 2 & 4 POLARITY			LED 1 & 3 POLARITY		
PIN 13	PIN 14	COLOR	PIN 15	PIN 16	COLOR
+	-	YELLOW	+	-	YELLOW
-	+	GREEN	-	+	GREEN

RoHS



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

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

OCL @ 100kHz/100mVRMS

FOR CHANNEL 1 AND CHANNEL 2

11mA DC BIAS 350µH MIN.

Compliant to IEEE 802.3at specification

FOR CHANNEL 3 AND CHANNEL 4

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

HIPOT (Isolation Voltage): 2250 VDC

100% OF PRODUCTION TESTED TO COMPLY WITH

IEEE 802.3 ISOLATION REQUIREMENTS.

BALANCED DC LINE CURRENT 720 mA MAX. @ 57 VDC CONTINUOUS

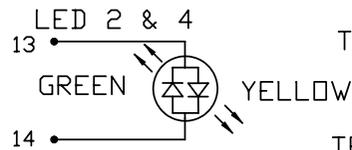
1.2A MAX. @ 57 VDC FOR 200 MILLISECONDS

LED 1 & 2 & 3 & 4

VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP. YELLOW 2.1V TYP.

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

OPERATING TEMPERATURE -40°C TO +85°C

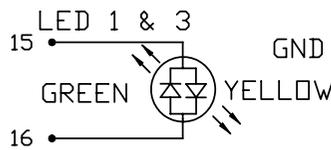


TRDCT1/2/3/4

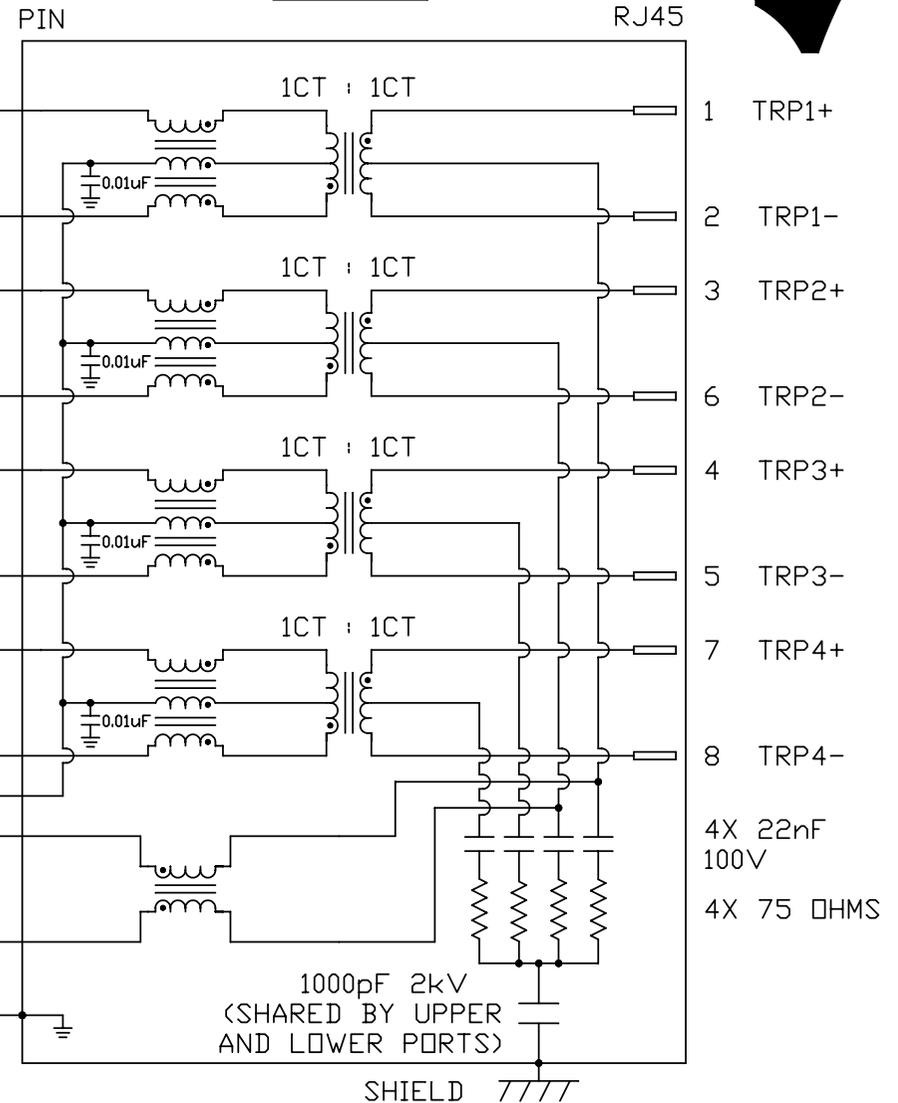
VC12

VC36

GND



SCHEMATIC



ORIGINATED BY	DATE
CHOW WANCHUNG	2011-12-01
DRAWN BY	DATE
TAN QIGUANG	2011-12-01

TITLE 2X4 gigabit MagJack®
PoEp
(WITH EXTENDED TEMPERATURE)
PATENTED

PART NO. / DRAWING NO.
0895-2C4R-GK
FILE NAME
0895-2C4R-GK_A.DWG

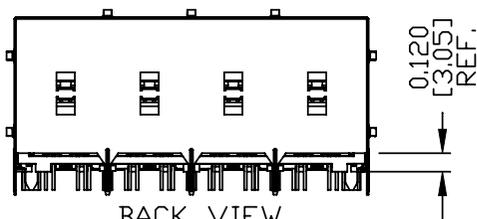
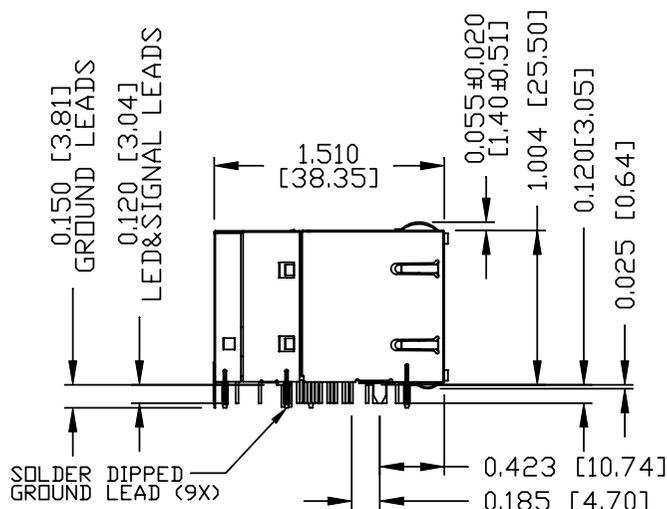
STANDARD DIM. TOL. IN INCH	
.X	
.XX	
.XXX	

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



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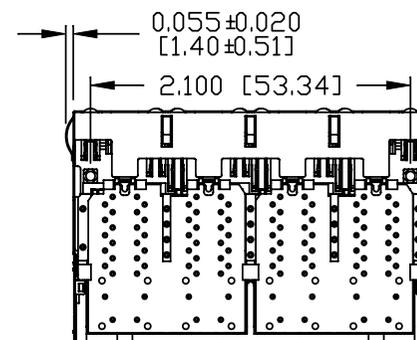
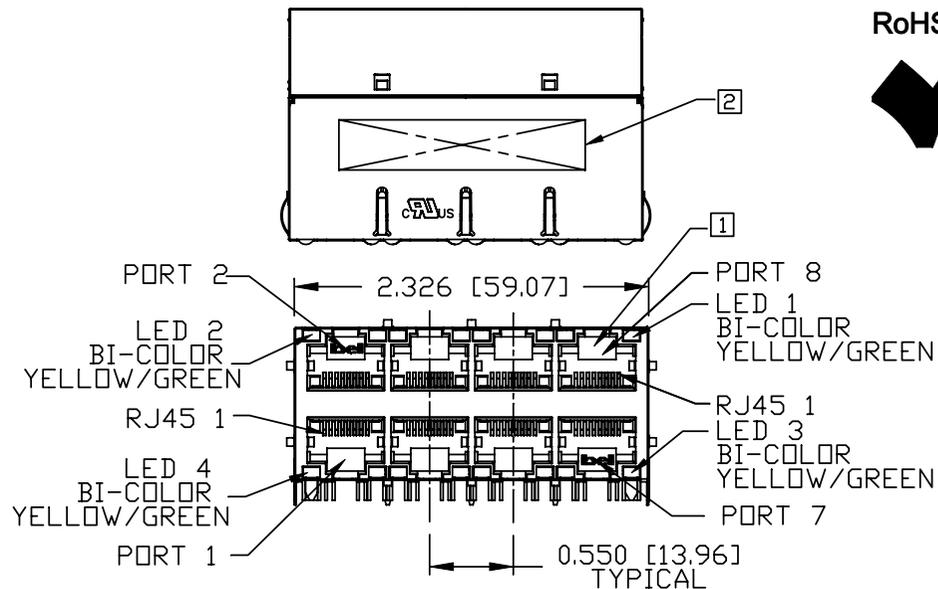


BACK VIEW

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. THE PRODUCT IS RoHS COMPLIANT.
- cULus UL RECOGNIZED - FILE #E196366 AND E169987.
- 4. REVERSED POLARITY OF GENERAL 'C' LED.
- 5. 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.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
ANTON LIAD	2011-12-01	2X4 gigabit MagJack® PoEp (WITH EXTENDED TEMPERATURE) PATENTED	0895-2C4R-GK	.X	UNIT : INCH [mm]
DRAWN BY	DATE			.XX	SCALE : N/A
JESSE LI	2011-12-01			.XXX	±0.010
					SIZE : A4
					PAGE : 3

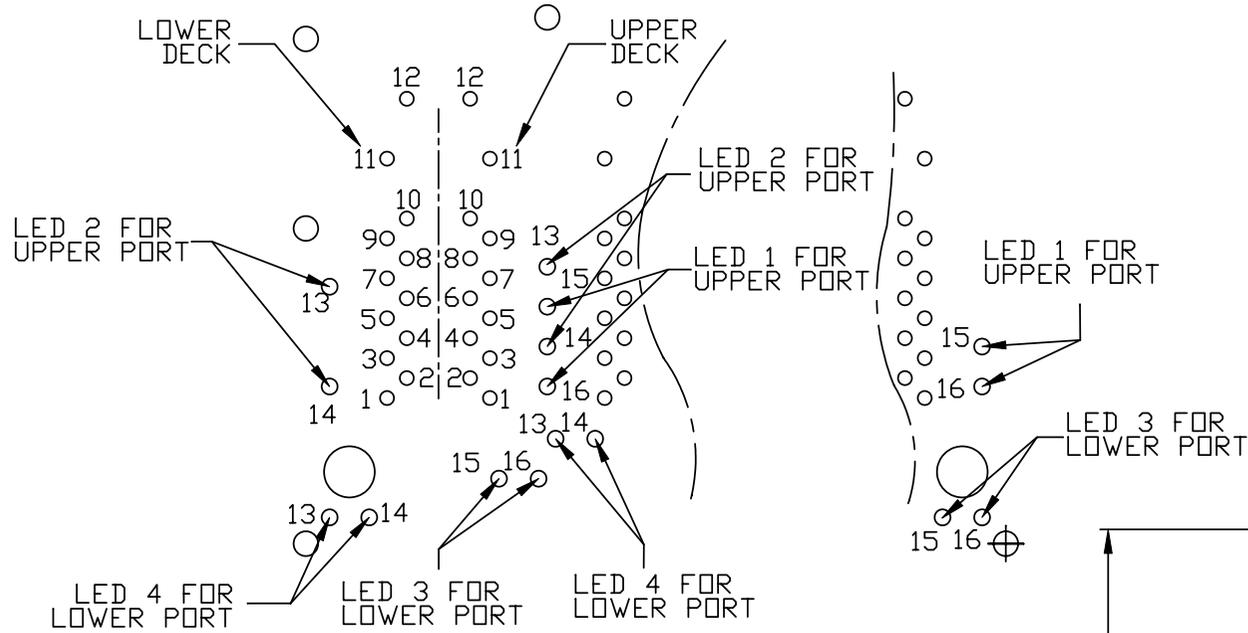
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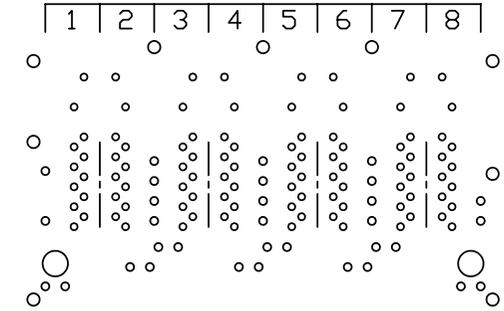


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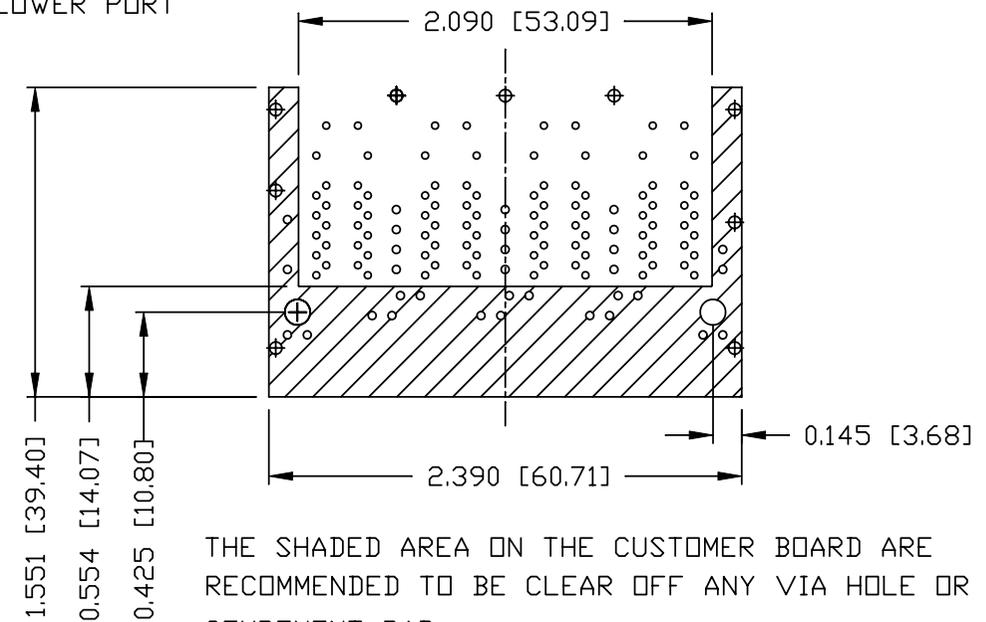


PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

10	GND		
9	TRDCT1/2/3/4		
8	TRD 4+		
7	TRD 4-		
6	TRD 3+	16	YEL(-) GRN(+)
5	TRD 3-	15	YEL(+) GRN(-)
4	TRD 2+	14	YEL(-) GRN(+)
3	TRD 2-	13	YEL(+) GRN(-)
2	TRD 1+	12	VC36
1	TRD 1-	11	VC12



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

ORIGINATED BY	DATE
ANTON LIAD	2011-12-01
DRAWN BY	DATE
JESSE LI	2011-12-01

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PoEp
(WITH EXTENDED TEMPERATURE)
PATENTED

PART NO. / DRAWING NO.
0895-2C4R-GK
FILE NAME
0895-2C4R-GK_A.DWG

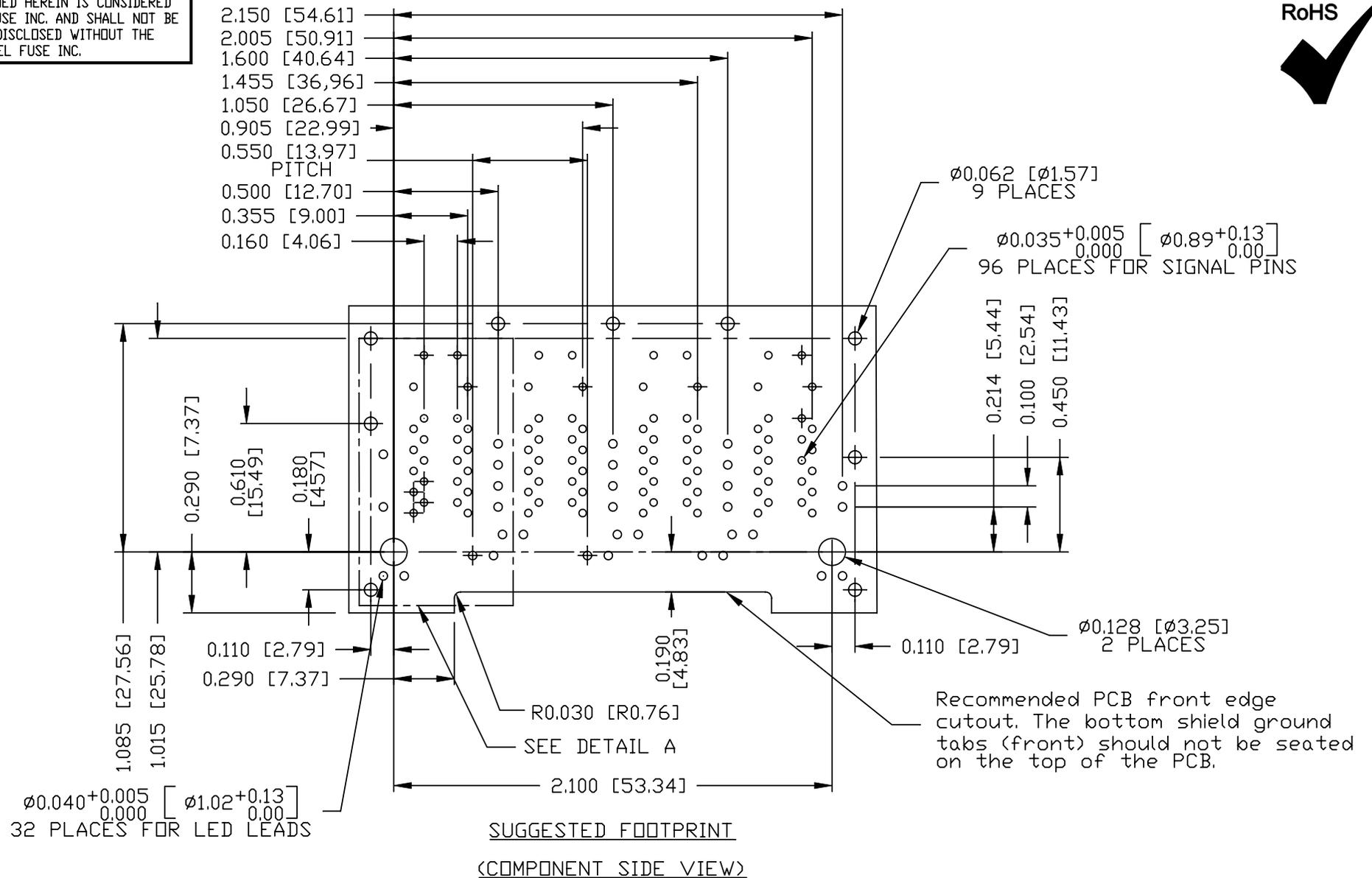
STANDARD DIM. TOL. IN INCH	
.X	
.XX	
.XXX	±0.004

[] METRIC DIM. AS REFERENCE	
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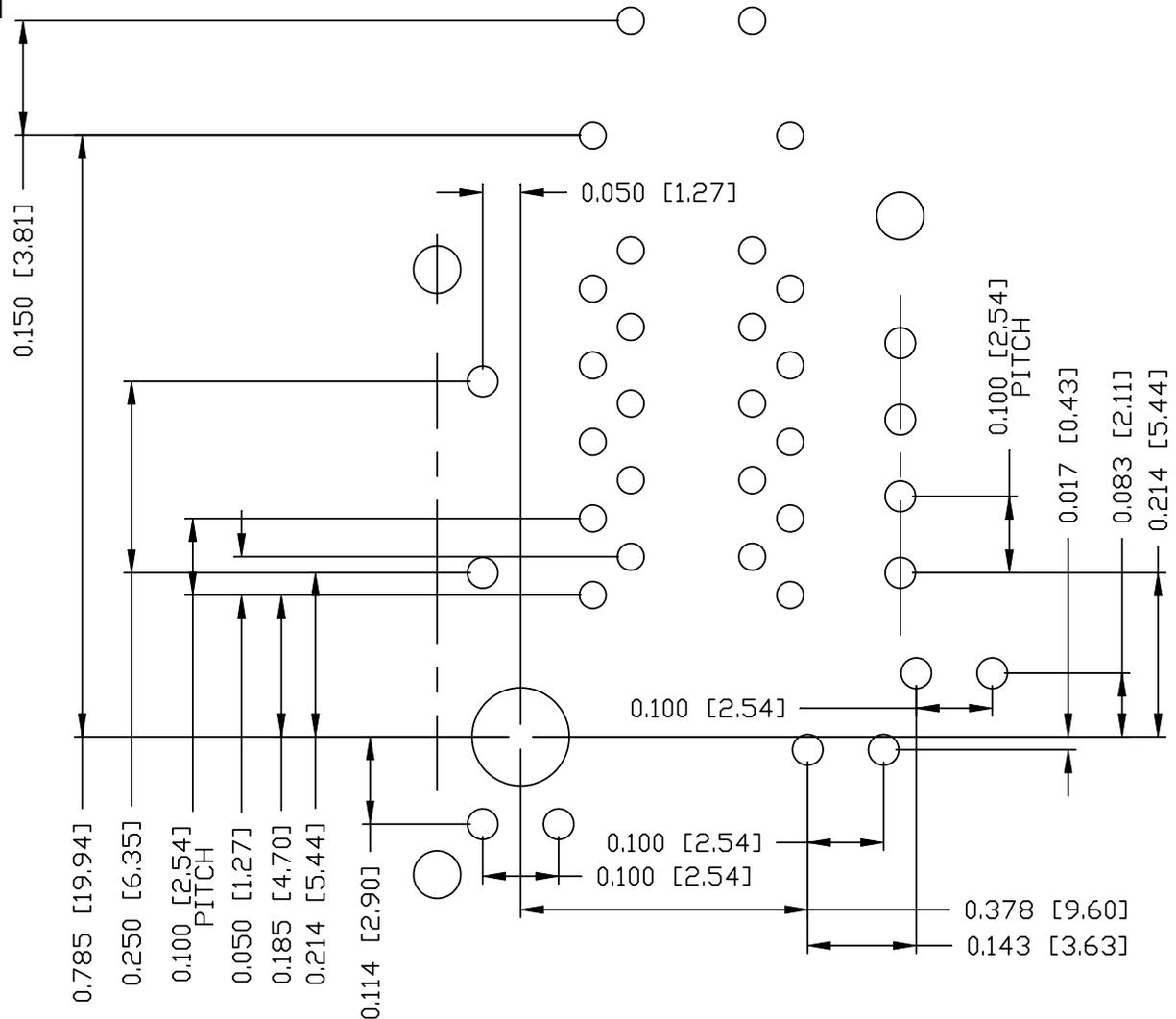
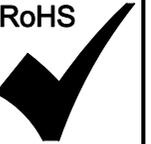
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ORIGINATED BY ANTON LIAO	DATE 2011-12-01	TITLE 2X4 gigabit MagJack® PoEp (WITH EXTENDED TEMPERATURE) PATENTED	PART NO. / DRAWING NO. 0895-2C4R-GK	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
DRAWN BY JESSE LI	DATE 2011-12-01		FILE NAME 0895-2C4R-GK_A.DWG	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A PAGE : 5

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DETAIL A

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			FILE NAME 0895-2C4R-GK_A.DWG		.X		UNIT : INCH [mm]	REV. : A
DRAWN BY JESSE LI	DATE 2011-12-01				.XX		SCALE : N/A	SIZE : A4
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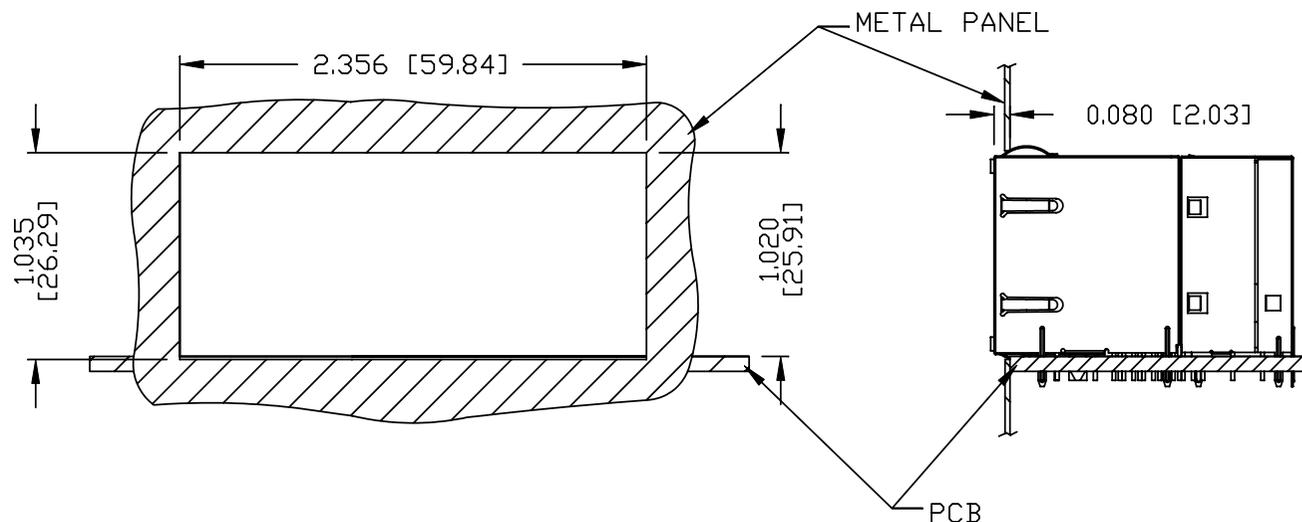


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SUGGESTED PANEL OPENING



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-G2 (TOP)
0200-9999-G3 (BOTTOM)

PACKING QUANTITY : 20 PCS FINISHED GOODS PER TRAY
5 TRAYS (100 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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			FILE NAME 0895-2C4R-GK_A.DWG		.X		UNIT : INCH [mm]	REV. : A
DRAWN BY JESSE LI	DATE 2011-12-01				.XX	±0.004	SCALE : N/A	SIZE : A4
					.XXX			PAGE : 7



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bel:

[0895-2C4R-GK](#)