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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

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

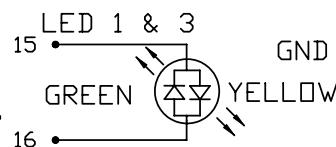
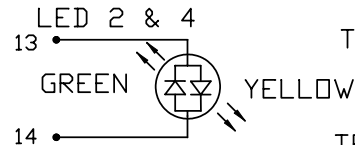
1.2A MAX. @ 57 VDC FOR 200 MILLISECONDS

LED 1 & 2 & 3 & 4

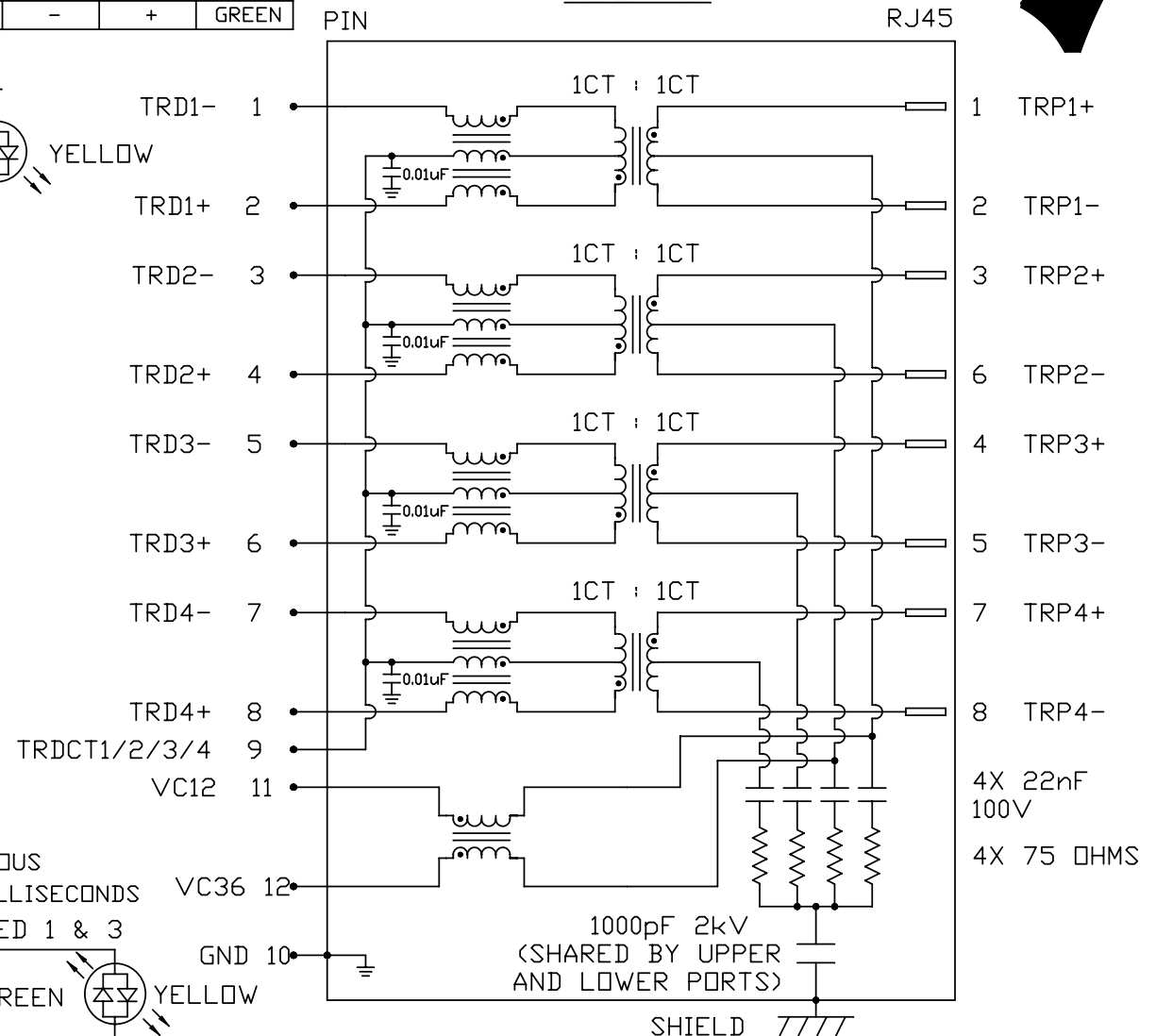
VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.
 YELLOW 2.1V TYP.

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

OPERATING TEMPERATURE -40°C TO +85°C



SCHEMATIC



RoHS



ORIGINATED BY DATE
 CHOW WANCHUNG 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

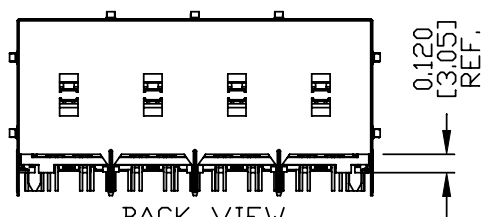
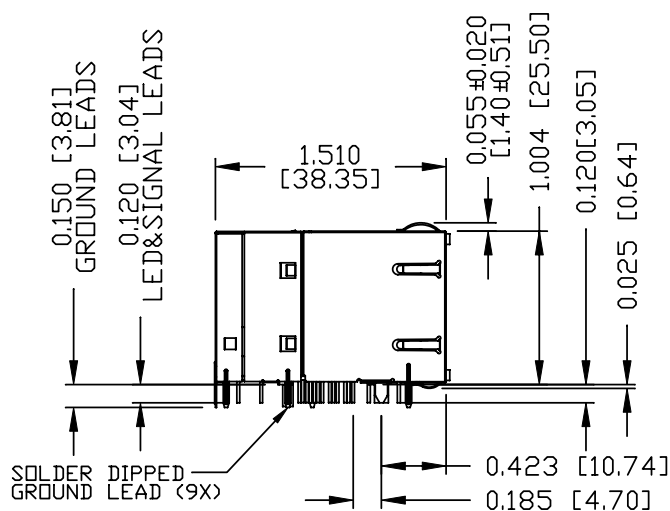
SCALE : N/A SIZE : A4

PAGE : 2

bel
 COMPONENTS FOR A
 CONNECTED
 PLANET

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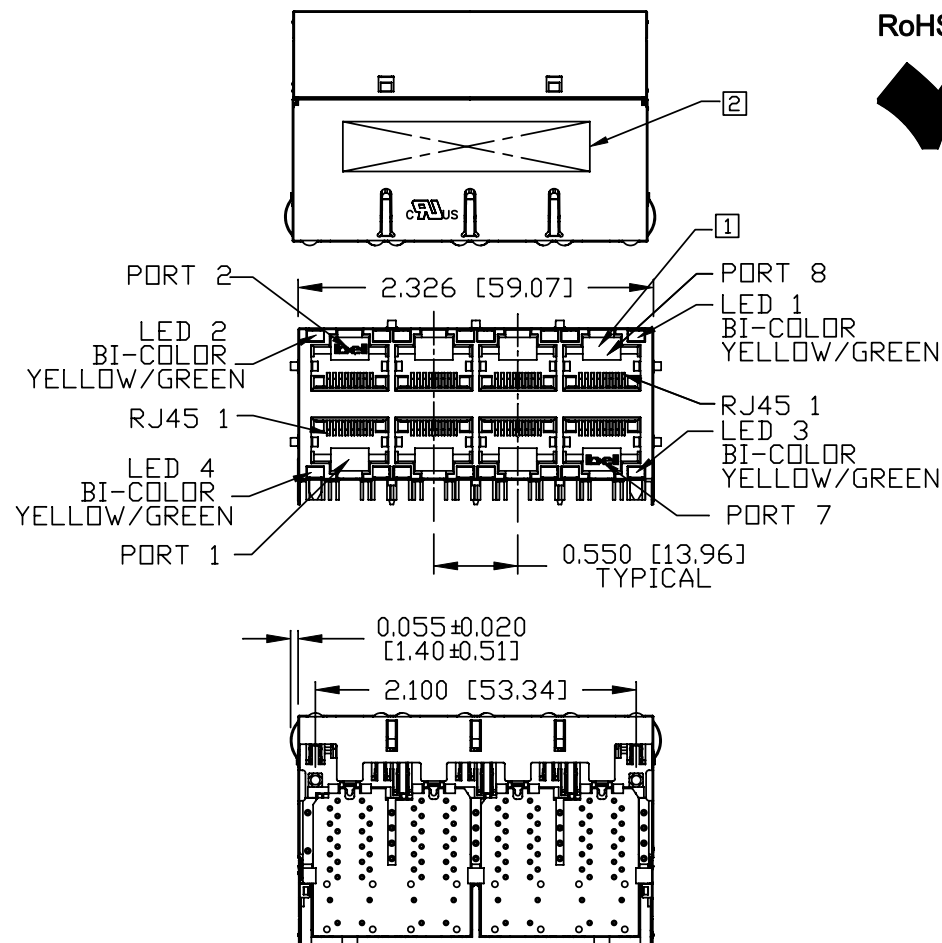
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NOTES:

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. THE PRODUCT IS RoHS COMPLIANT.
- cULusUL 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] REV. : A
DRAWN BY	DATE	FILE NAME		.XX	SCALE : N/A SIZE : A4
JESSE LI	2011-12-01	0895-2C4R-GK_A.DWG		.XXX ±0.010	PAGE : 3

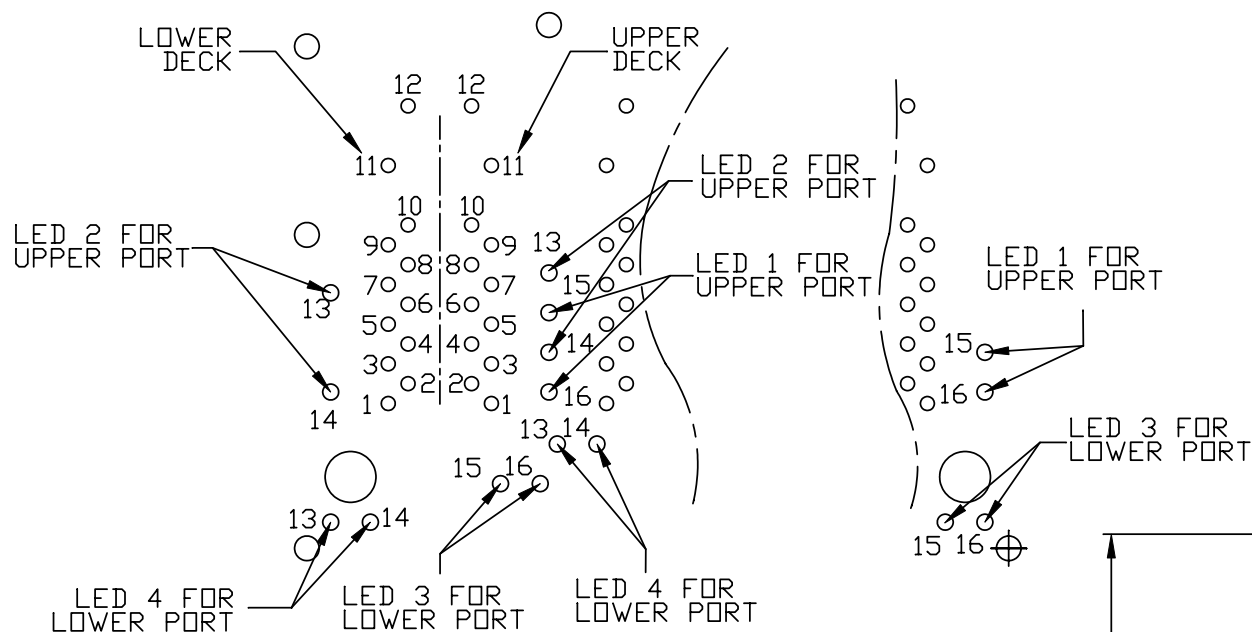
DC002(2)081111

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COMPONENTS FOR A
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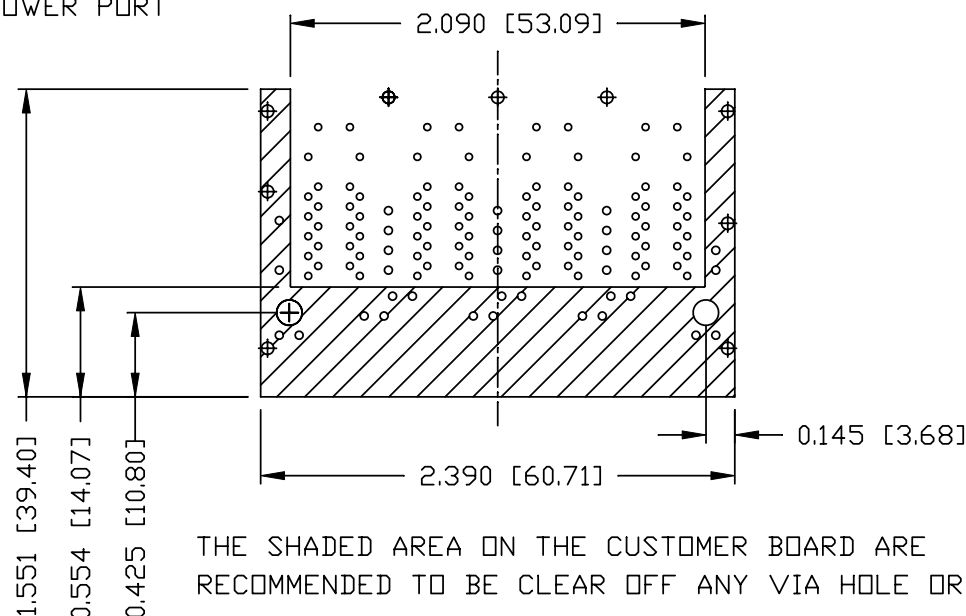
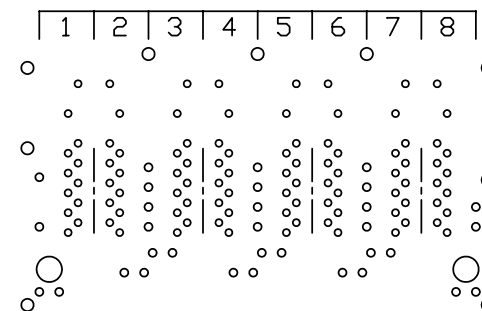
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PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

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

PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



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

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

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

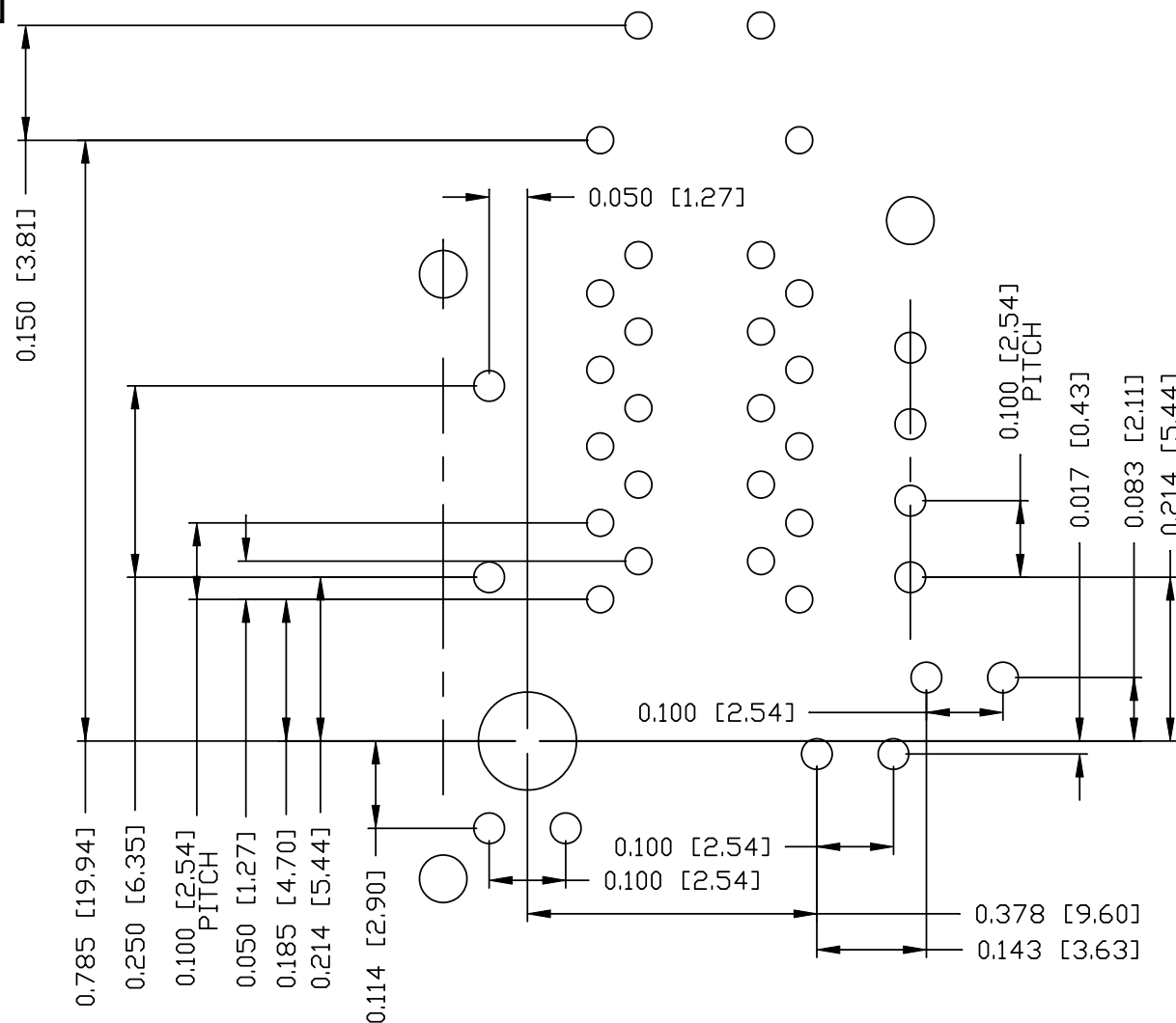
STANDARD DIM.	
TOL. IN INCH	
.X	
.XX	
.XXX	±0.004

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

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		 COMPONENTS  CONNECTED PLANET
DRAWN BY JESSE LI	DATE 2011-12-01		FILE NAME 0895-2C4R-GK_A.DWG	.X		UNIT : INCH [mm]	REV. : A	
				.XX		SCALE : N/A	SIZE : A4	
				.XXX		±0.004		

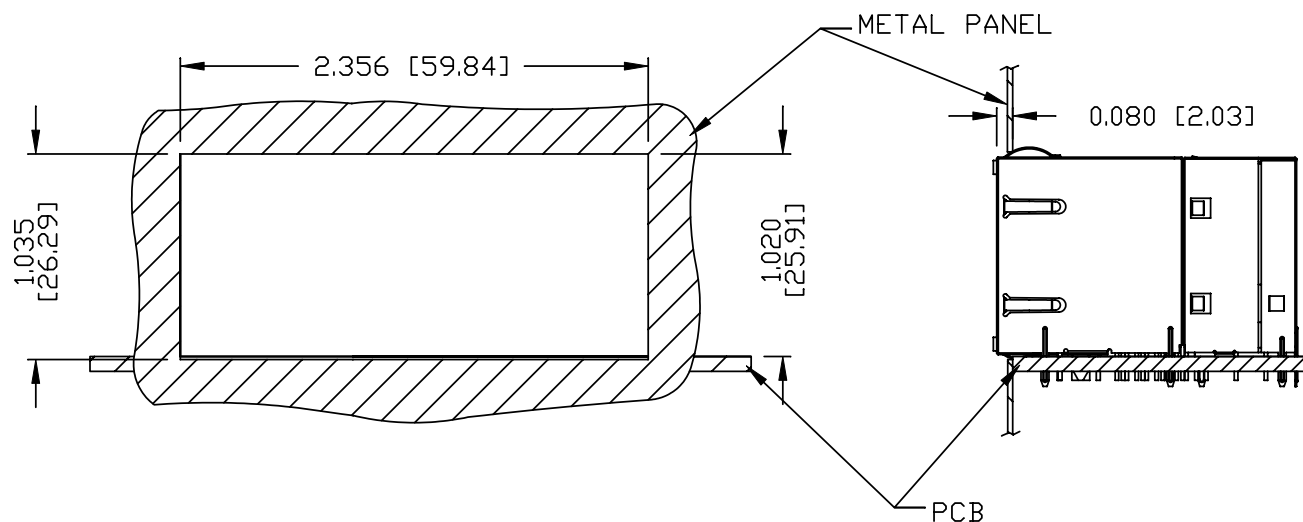


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SUGGESTED PANEL OPENING



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)

ORIGINATED BY	DATE	TITLE 2X4 gigabit MagJack® PoEp (WITH EXTENDED TEMPERATURE) PATENTED	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
ANTON LIAO	2011-12-01		0895-2C4R-GK	TOL. IN INCH		UNIT : INCH [mm] REV. : A		
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A SIZE : A4		
JESSE LI	2011-12-01	0895-2C4R-GK_A.DWG	.XX		PAGE : 7			
			.XXX	±0.004				

