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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%

CL @ 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
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CM TO DM REJ

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

1500 Vrms

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

LED 1,LED 2,LED 3 & LED 4

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
		YELLOW	2.1V TYP.
LD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.
		YELLOW	590nm TYP.

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RJ45

1 TRP1+

2 TRP1-

3 TRP2+

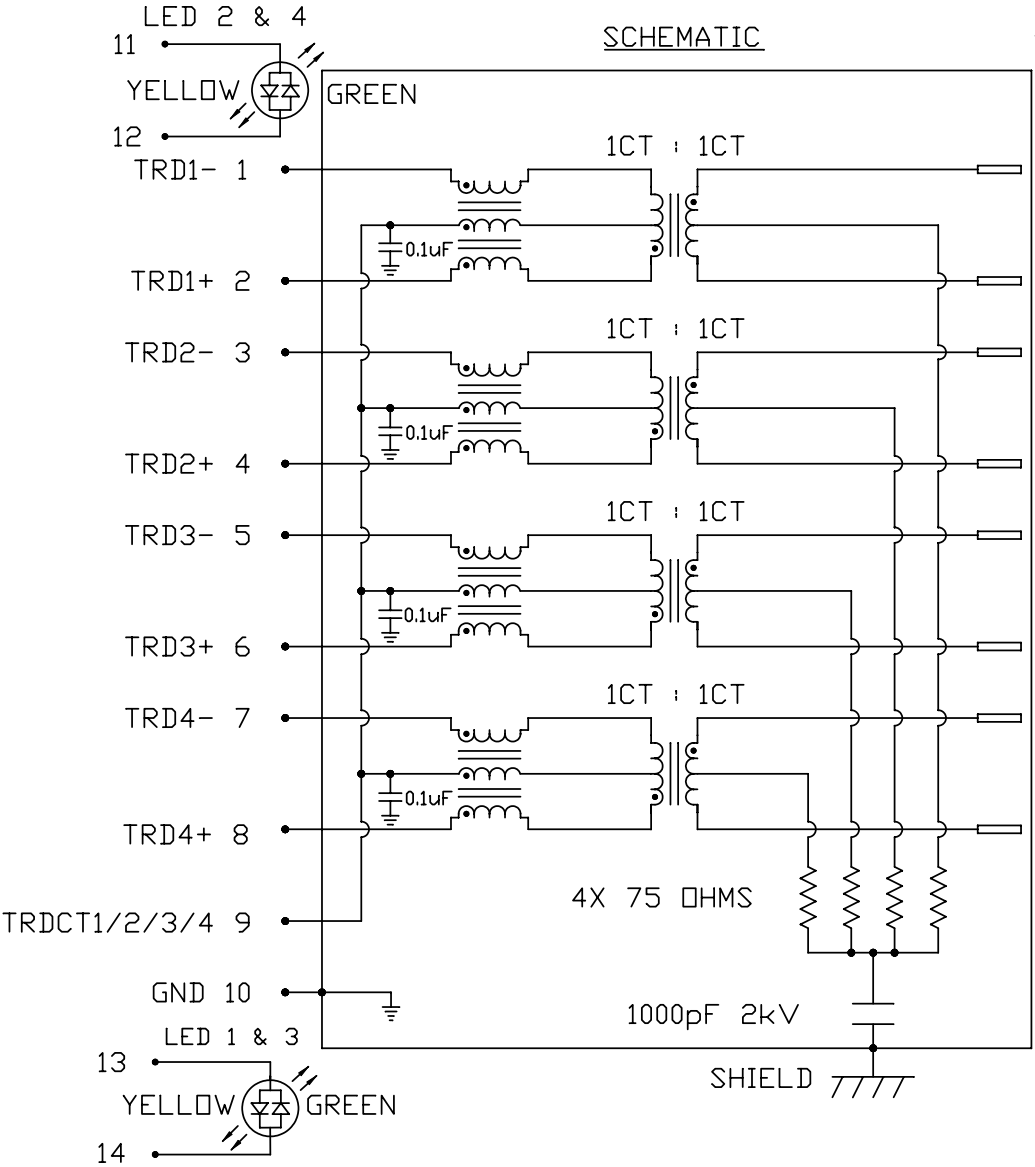
6 TRP2-

4 TRP3+

5 TRP3-

7 TRP4+

8 TRP4-



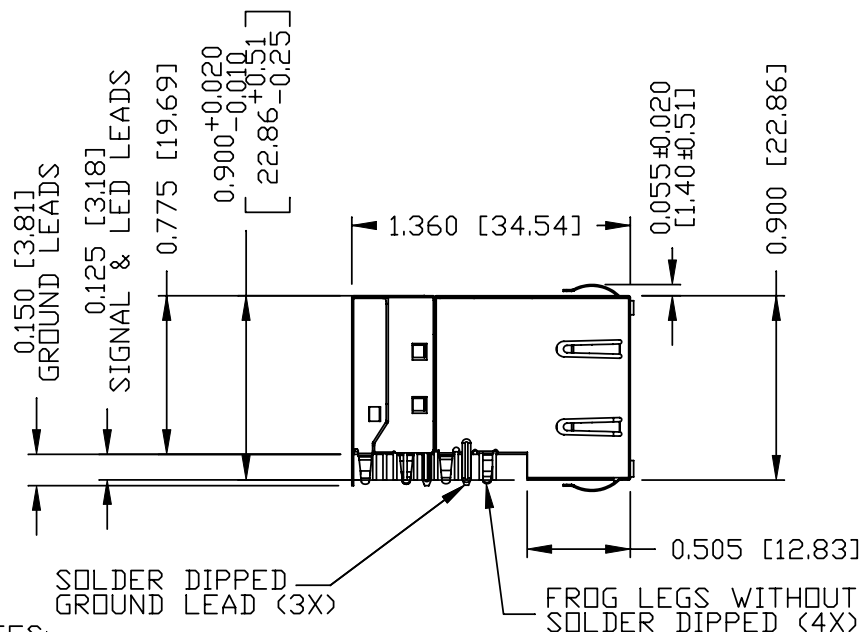
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
CHOW WANCHUNG	2012-08-29	2X2 gigabit MagJack®	C850-2C2R-54	TOL. IN INCH	UNIT : INCH [mm]
DRAWN BY	DATE	PATENTED	FILE NAME	.X	REV. : C
TAN QIGUANG	2012-08-29		C850-2C2R-54_C.DWG	.XX	SCALE : N/A
				.XXX	SIZE : A4
					PAGE : 2



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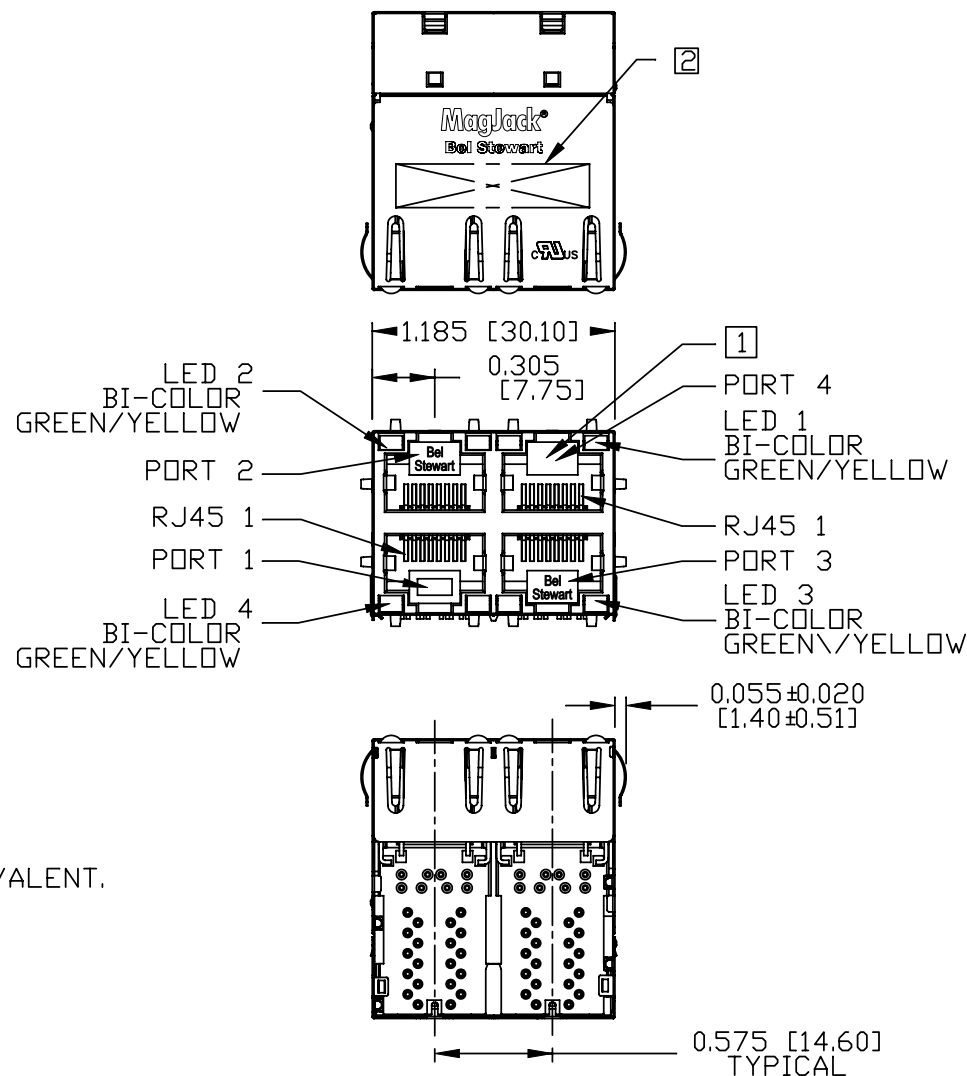
NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACT PLATING: 30 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)
FROG LEGS ARE FOR PCB RETENTION FORCE ONLY AND NOT FOR GROUNDING PURPOSE

1. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
2. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE AND PATENTED.

c USUL RECOGNIZED - FILE #E196366 AND E169987.

3. THE PRODUCT IS RoHS COMPLIANT.
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.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
ANTON LIAO		2012-08-29		C850-2C2R-54	TOL. IN INCH		UNIT : INCH [mm]	REV. : C	
DRAWN BY		DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
HE ZHEN		2012-08-29			C850-2C2R-54_C.DWG	.XX			
			PATENTED		.XXX	#0.010			

bel
COMPONENTS FOR A
CONNECTED
PLANET

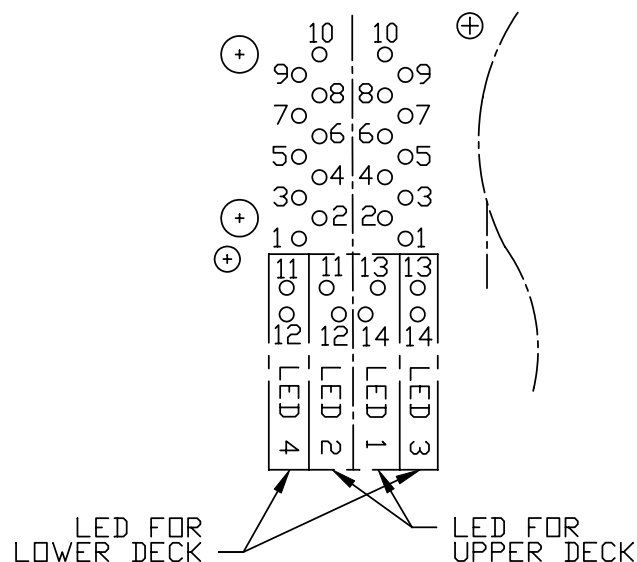
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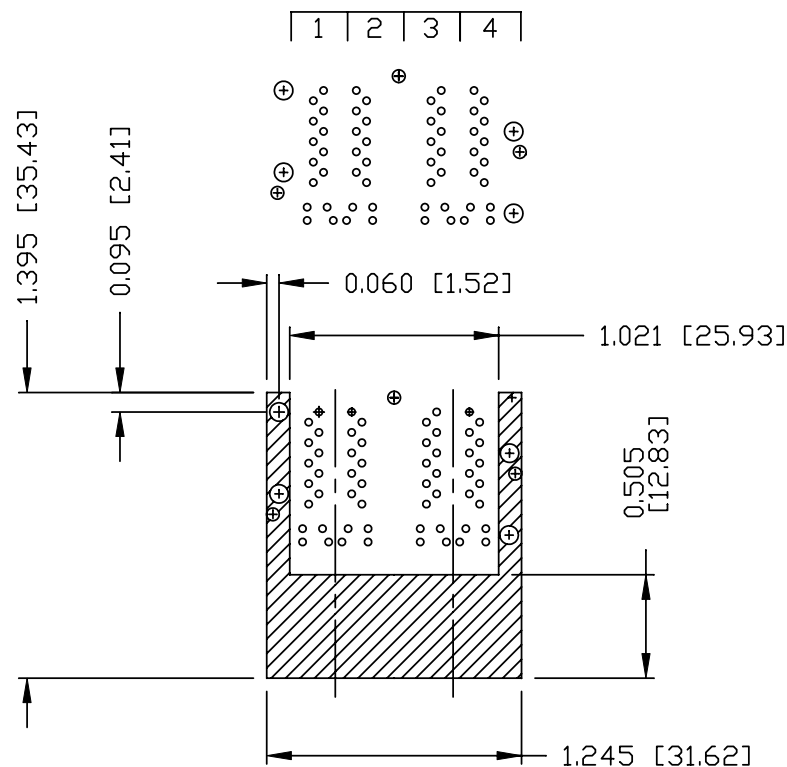
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PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

14	YELLOW (-)/GREEN (+)
13	YELLOW (+)/GREEN (-)
12	YELLOW (-)/GREEN (+)
11	YELLOW (+)/GREEN (-)
10	GND
9	TRDCT1/2/3/4
8	TRD 4+
7	TRD 4-
6	TRD 3+
5	TRD 3-
4	TRD 2+
3	TRD 2-
2	TRD 1+
1	TRD 1-

PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



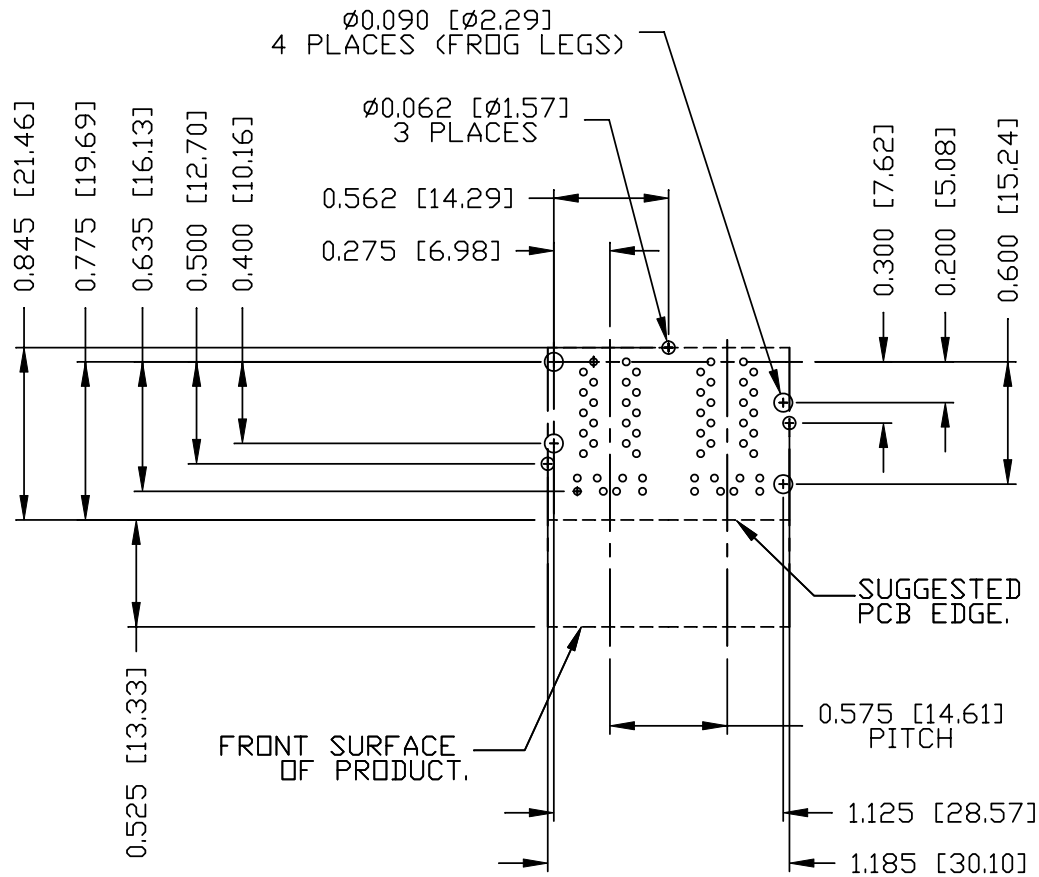
THE SHADED AREA ON THE CUSTOMER BOARD ARE
RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR
COMPONENT PAD.

ORIGINATED BY ANTON LIAO	DATE 2012-08-29	TITLE 2X2 gigabit MagJack® PATENTED	PART NO. / DRAWING NO. C850-2C2R-54	STANDARD DIM. TOL. IN INCH .X .XX .XXX ±0.004	[] METRIC DIM. AS REFERENCE	
					UNIT : INCH [mm]	REV. : C
DRAWN BY HE ZHEN	DATE 2012-08-29		FILE NAME C850-2C2R-54_C.DWG		SCALE : N/A	SIZE : A4
						PAGE : 4

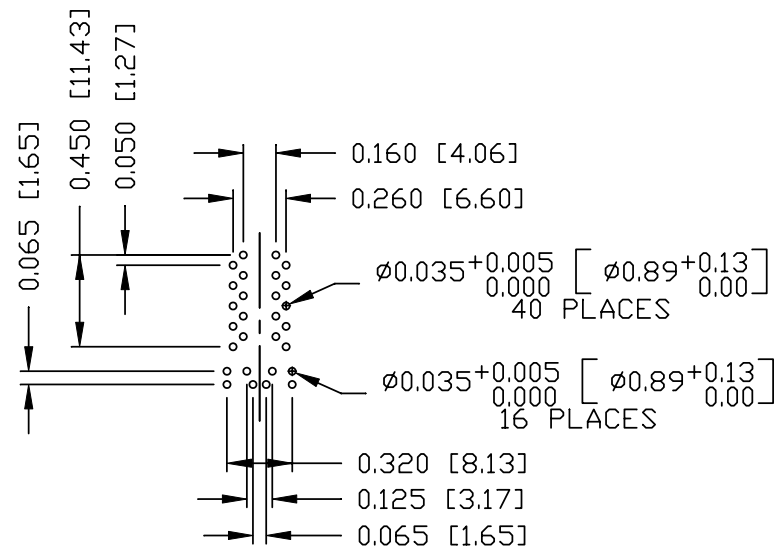


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(COMPONENT SIDE VIEW)

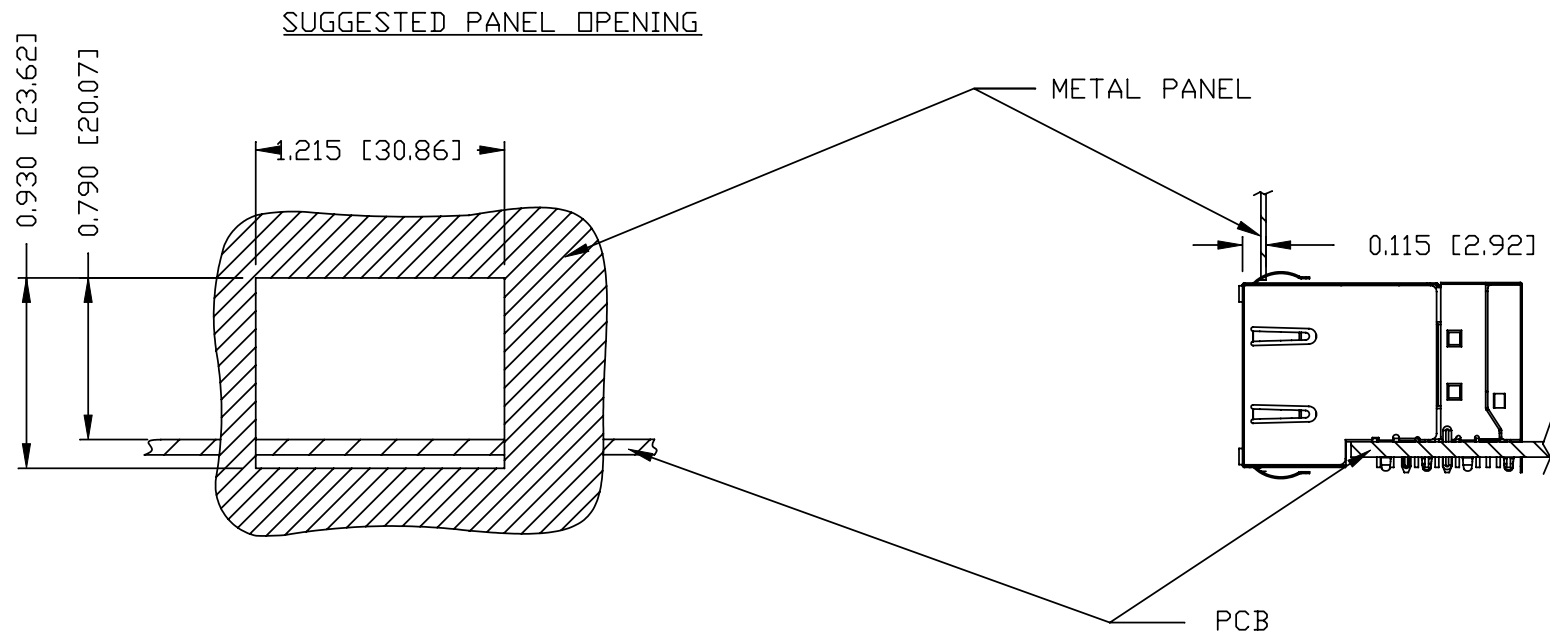


SUGGESTED FOOTPRINT

ORIGINATED BY	DATE	TITLE 2X2 gigabit MagJack® PATENTED	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
ANTON LIAO	2012-08-29		C850-2C2R-54	TOL. IN INCH		UNIT : INCH [mm]	REV. : C	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
HE ZHEN	2012-08-29		C850-2C2R-54_C.DWG	.XX			PAGE : 5	
				.XXX	±0.004			

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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 : 0200M9999-B1 (TOP)

0200M9999-B2 (BOTTOM)

PACKING QUANTITY : 35 PCS FINISHED GOODS PER TRAY.

6 TRAYS (210 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.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : C
ANTON LIAO	2012-08-29	2X2 gigabit MagJack® PATENTED	C850-2C2R-54	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 6
HE ZHEN	2012-08-29		C850-2C2R-54_C.DWG	.XXX	±0.004		

