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LED 1 & 3 POLARITY			LED 2 & 4 POLARITY		
PIN 13	PIN 14	COLOR	PIN 11	PIN 12	COLOR
+	-	GREEN	-	+	ORANGE
			+	-	GREEN

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

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

DCL @ 100kHz/100mVRMS

8mA DC BIAS	350µH MIN.
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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 REQUIREMENT

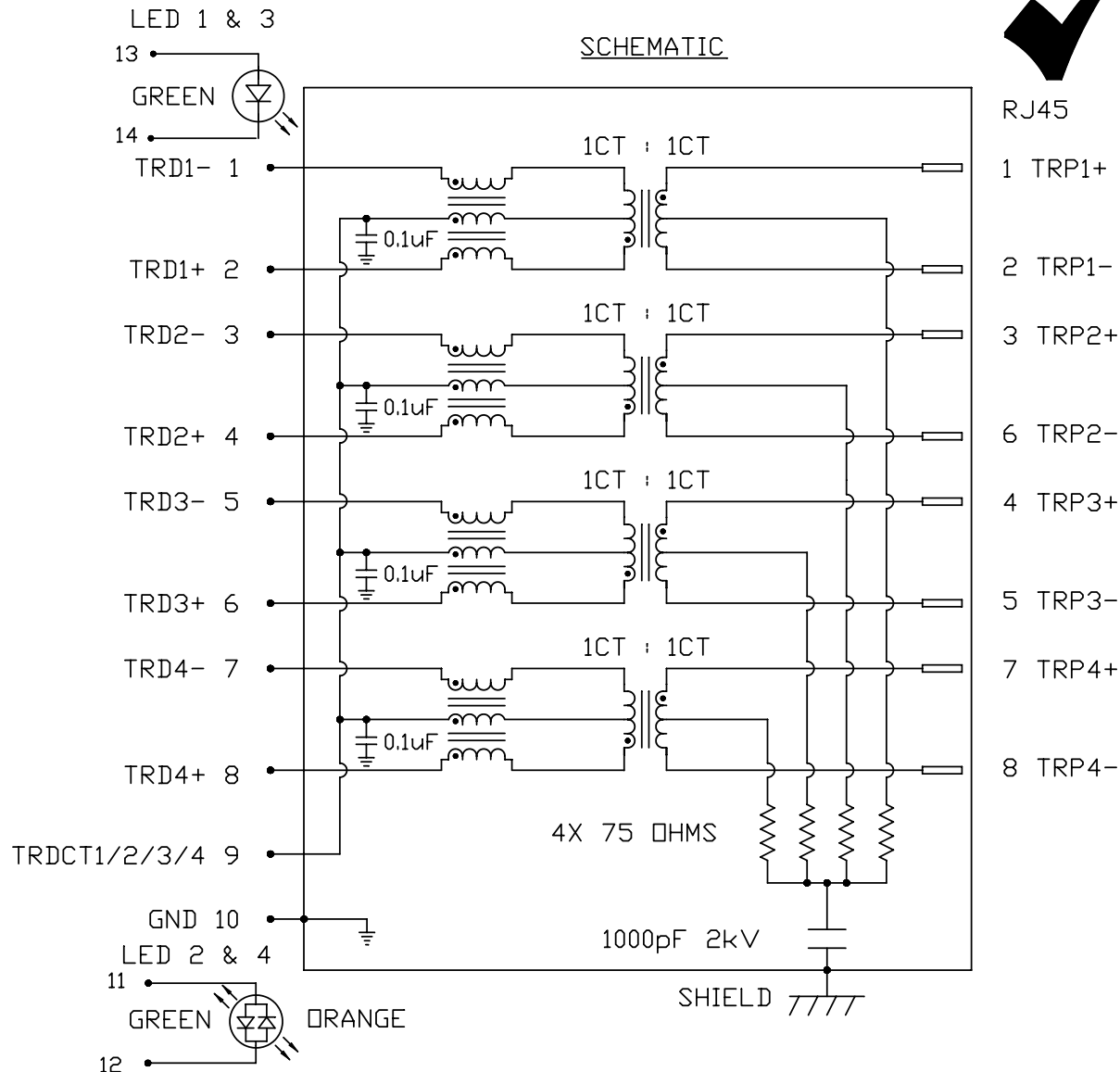
LED1 & LED3

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

λ D (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.

LED2 & LED4

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



RJ45

1 TRP1+

2 TRP1-

3 TRP2+

6 TRP2-

4 TRP3+

5 TRP3-

7 TRP4+

8 TRP4-

ORIGINATED BY	DATE
CHOW WANGCHUNG	12-02-09
DRAWN BY	DATE
LEE WEIDE	12-02-09

TITLE
2X3 gigabit MagJack®
COMPRESSOR SERIES
(8 Cores)
PATENTED

PART NO. / DRAWING NO.

C850-2E3R-54

FILE NAME

C850-2E3R-54_A.DWG

**STANDARD DIM.
TOL. IN INCH**

.X
.XX
.XXX

[] METRIC DIM. AS REFERENCE

UNIT : INCH [mm]

SCALE : N/A

⊕ --- ⊖

REV. : A

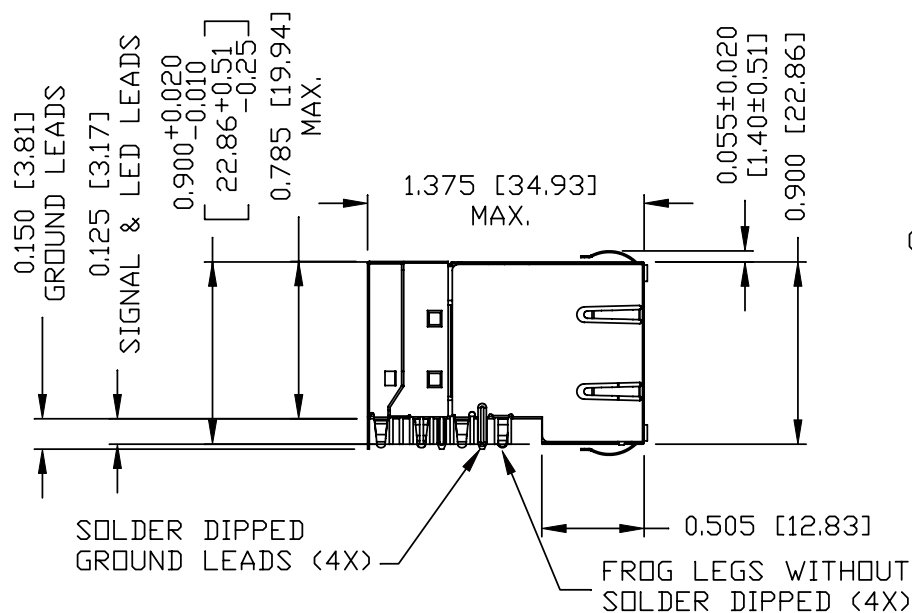
SIZE : A4

PAGE : 2



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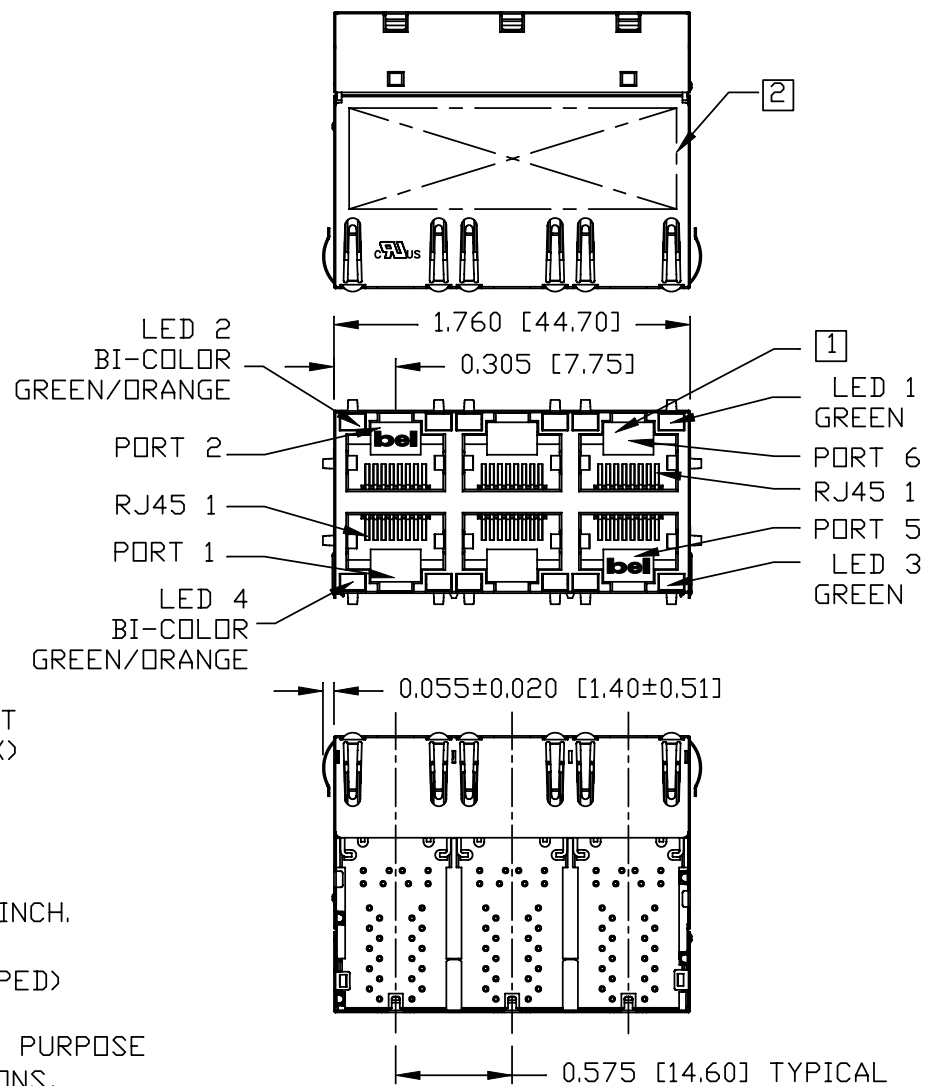
RoHS
2002/95/EC



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)
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.
3. RoHS COMPLAINEE, PER EU DIRECTIVE 2002/95/EC.



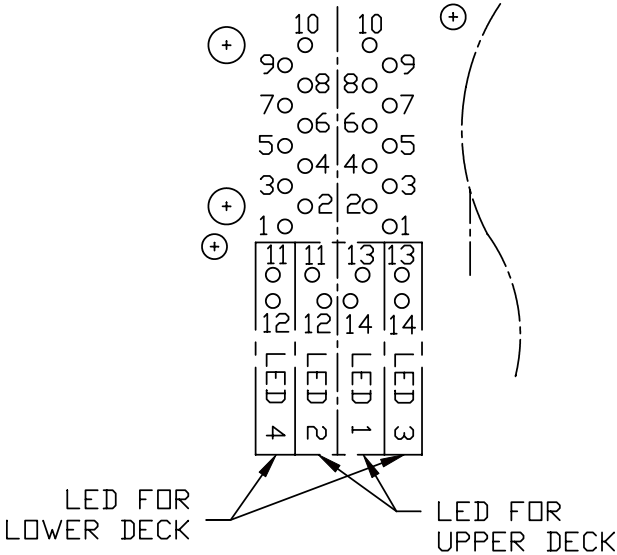
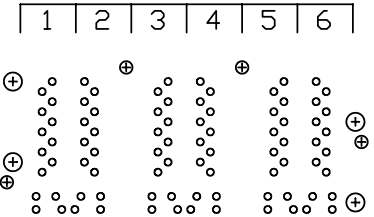
cULus UL RECOGNIZED - FILE #E196366 AND E169987.
4. THE PRODUCT IS PATENTED, THE PATENT NUMBRER IS
U.S. PAT. 5,736,910.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
LIU QIN	12-02-09	2X3 gigabit MagJack® COMPRESSOR SERIES (8 Cores) PATENTED	C850-2E3R-54		UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE		FILE NAME	.X .XX .XXX	SCALE : N/A	SIZE : A4
XIAN JIAXIN	12-02-09		C850-2E3R-54_A.DWG	±0.010	PAGE : 3	

bel
COMPONENTS FOR A
CONNECTED
PLANET

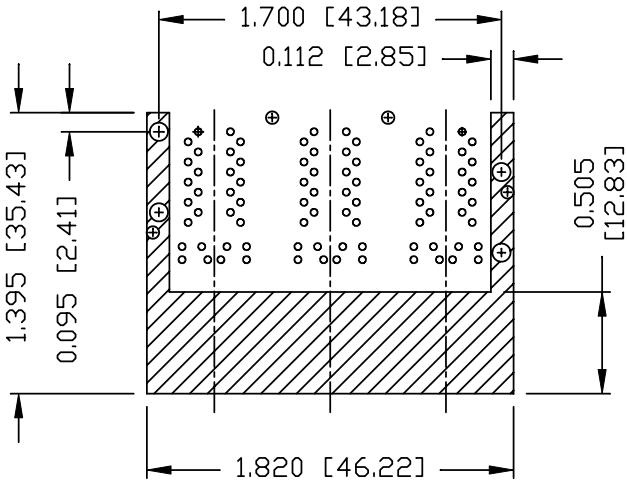


PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

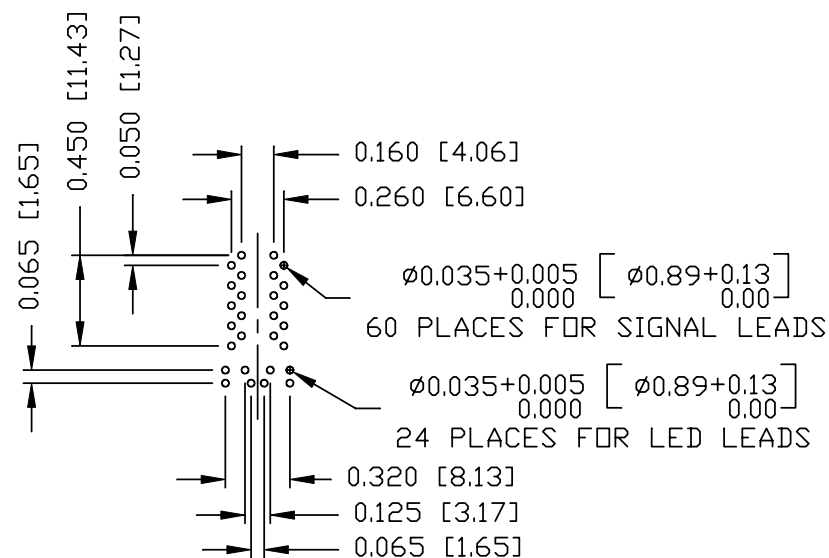
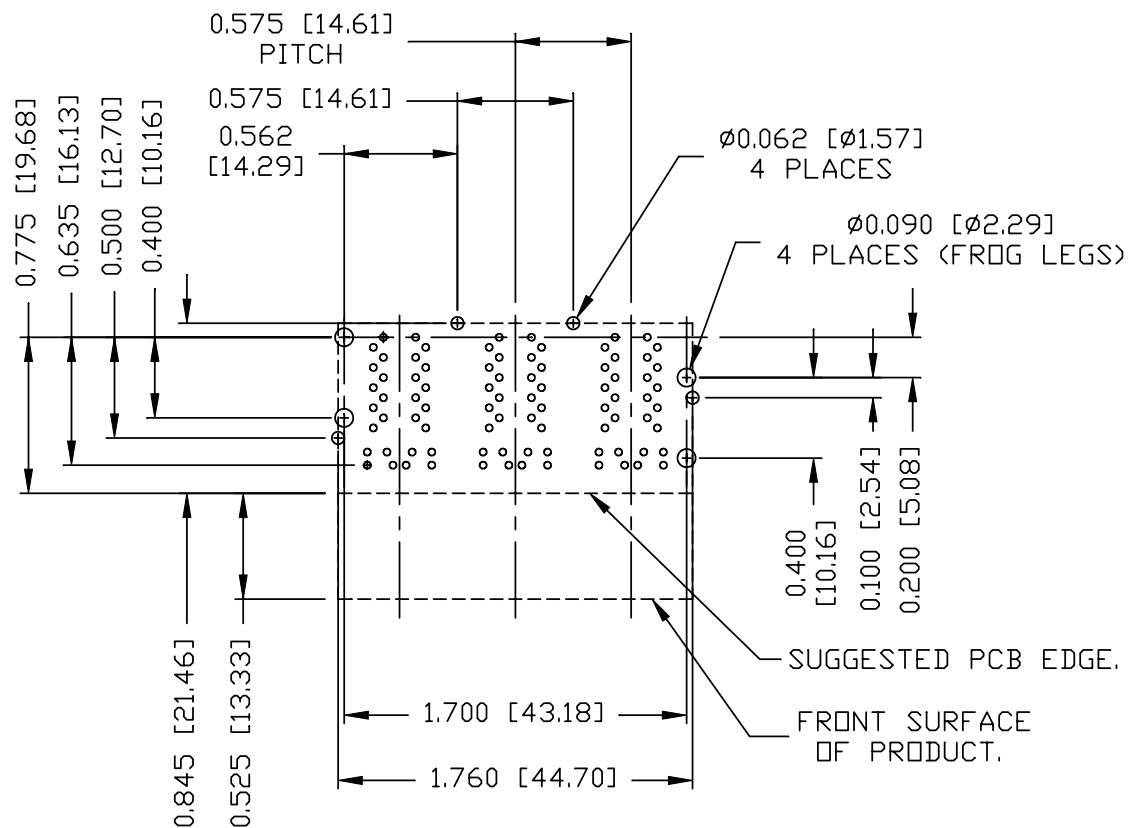
14	GREEN(-)
13	GREEN(+)
12	GREEN(-) ORANGE(+)
11	GREEN(+) ORANGE(-)
10	GND
9	TRDCT1/2/3/4
8	TRD 4+
7	TRD 4-
6	TRD 3+
5	TRD 3-
4	TRD 2+
3	TRD 2-
2	TRD 1+
1	TRD 1-



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

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LIU QIN	12-02-09			.X		UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE			.XX		SCALE : N/A	SIZE : A4
XIAN JIAXIN	12-02-09		FILE NAME C850-2E3R-54_A.DWG	.XXX	±0.004		PAGE : 4



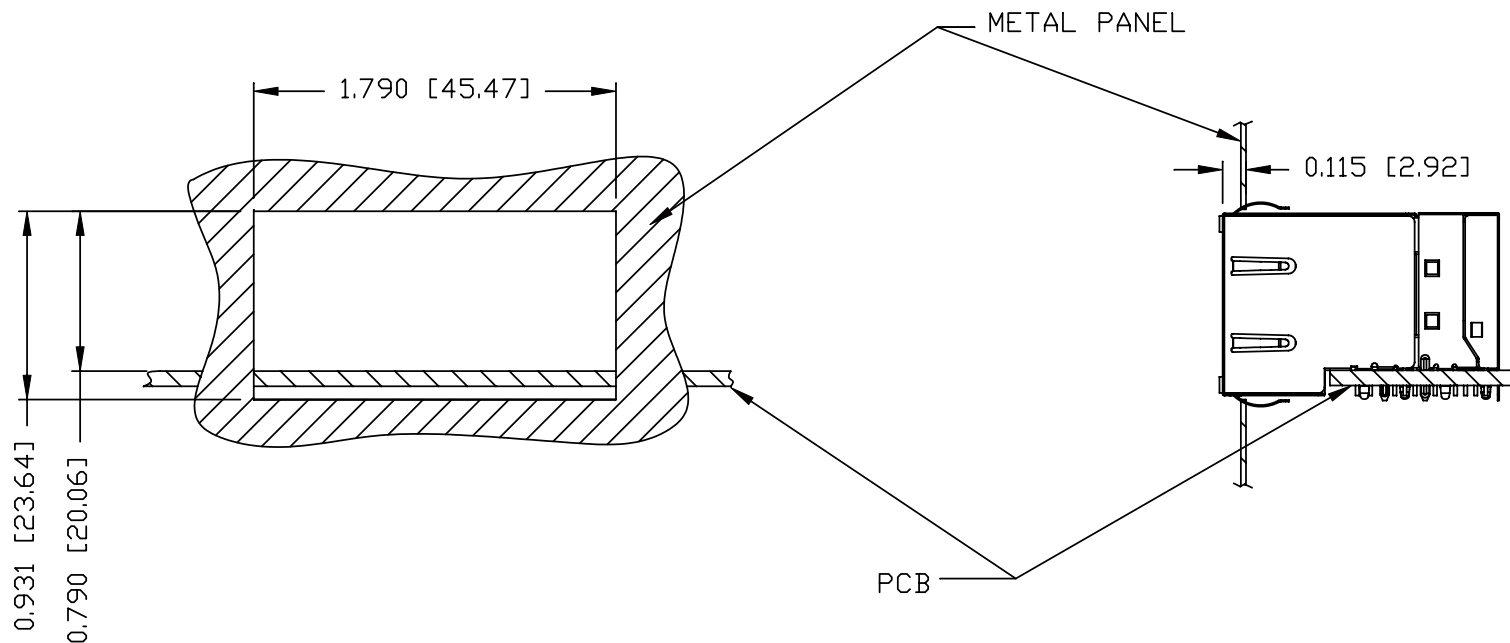


SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)

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DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
XIAN JIAXIN	12-02-09		C850-2E3R-54_A.DWG	.XXX ±0.004	PAGE : 5



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-G8 (TOP)

0200-9999-G9 (BOTTOM)

PACKING QUANTITY : 30 PCS FINISHED GOODS PER TRAY.

6 TRAYS (180 PCS FINISHED GOODS) PER CARTON BOX.

NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX.

(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

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LIU QIN	12-02-09		FILE NAME C850-2E3R-54_A.DWG	.X		UNIT : INCH [mm]	REV. : A	
DRAWN BY	DATE			.XX		SCALE : N/A	SIZE : A4	
XIAN JIAXIN	12-02-09	.XXX		±0.004		PAGE : 6		