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RoHS

RJ45

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%

QCL @ 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

CM TO DM REJ

100kHz - 100MHz -35 dB MIN

HIPOT (Isolation Voltage): 1500 Vrms

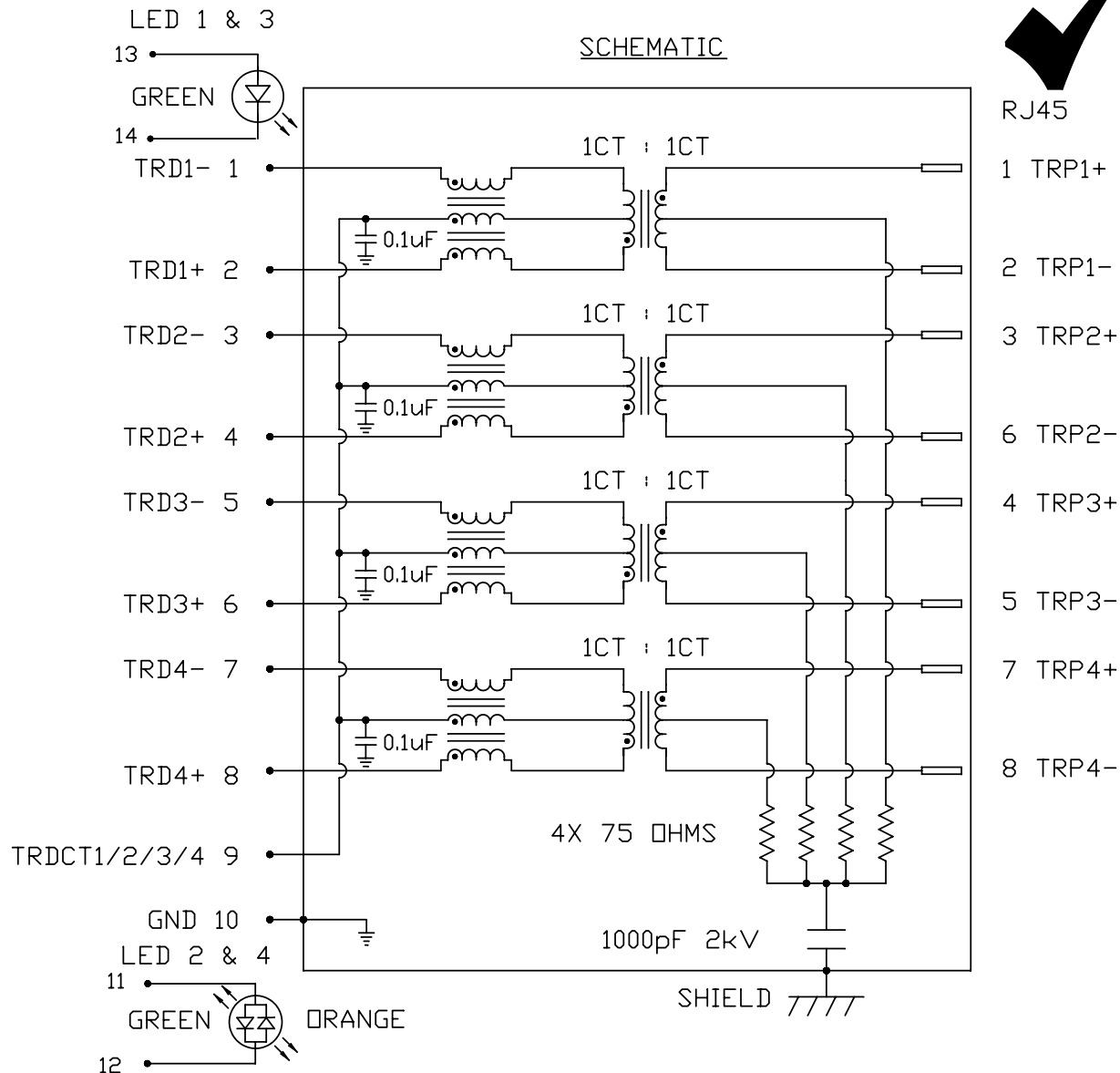
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENT

LED1 & LED3

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

LED2 & LED4

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



ORIGINATED BY	DATE
CHOW WANCHUNG	2012-08-29
DRAWN BY	DATE
TAN QIGUANG	2012-08-29

TITLE	2X3 gigabit MagJack® COMPRESSOR SERIES (8 Cores) PATENTED
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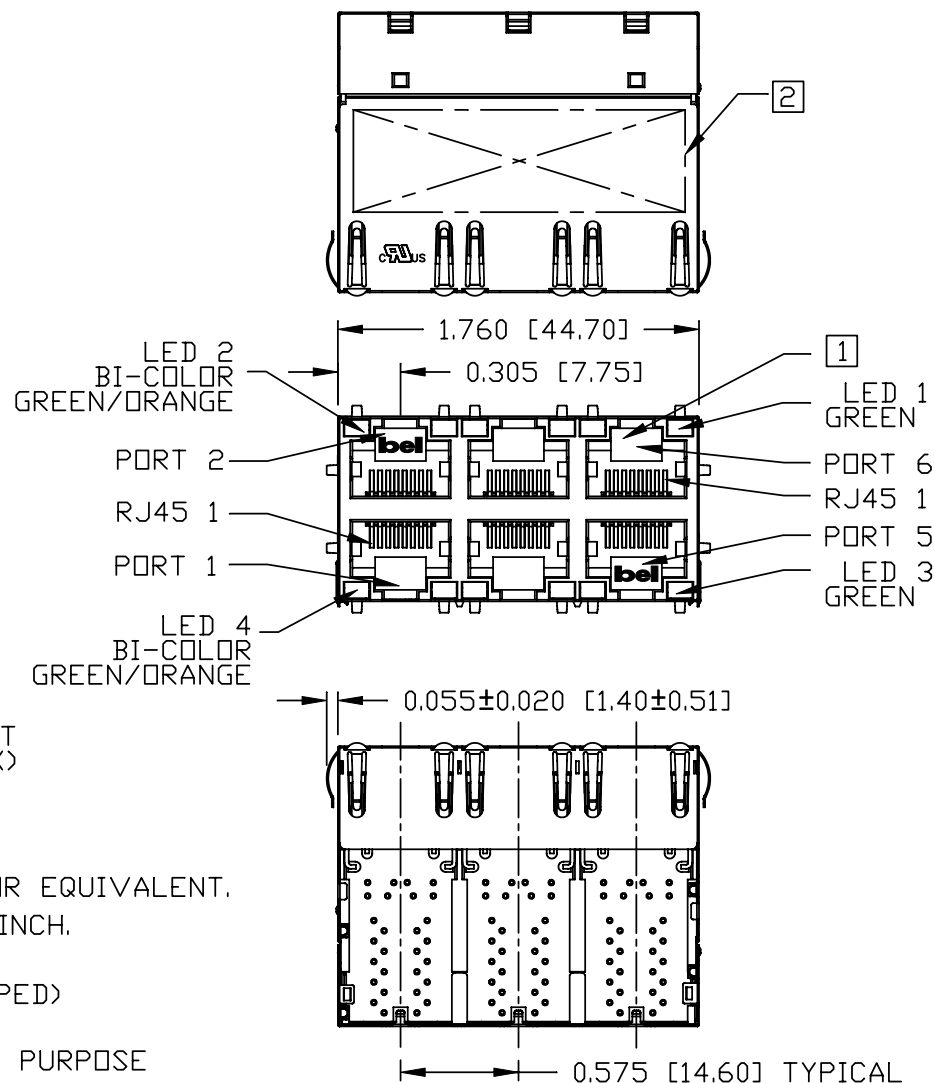
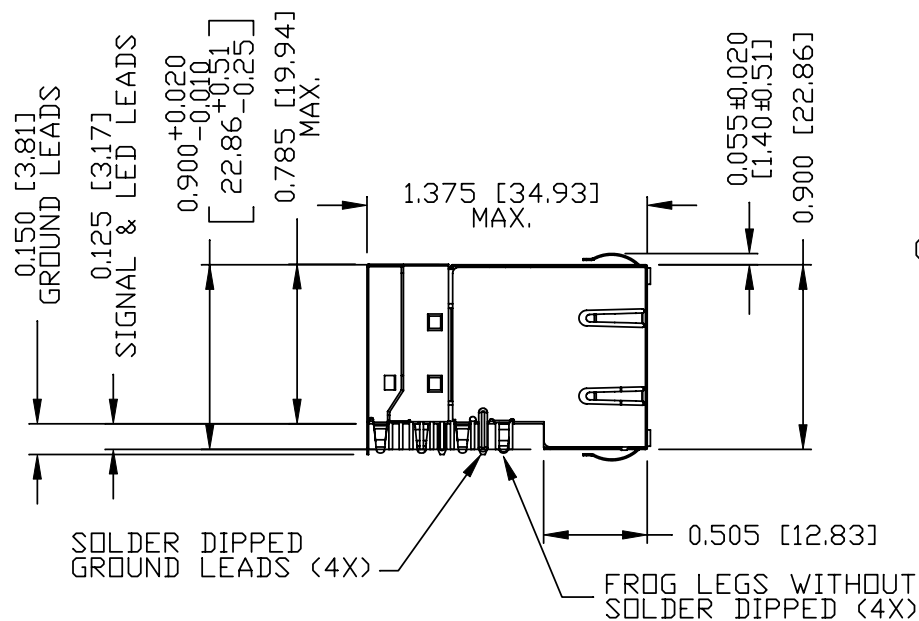
PART NO. / DRAWING NO.	C850-2E3R-54
FILE NAME	C850-2E3R-54_B.DWG

STANDARD DIM.	[] METRIC DIM. AS REFERENCE
TOL. IN INCH	UNIT : INCH [mm]
.X	REV. : B
.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: 50 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.
3. THE PRODUCT IS RoHS COMPLIANT.

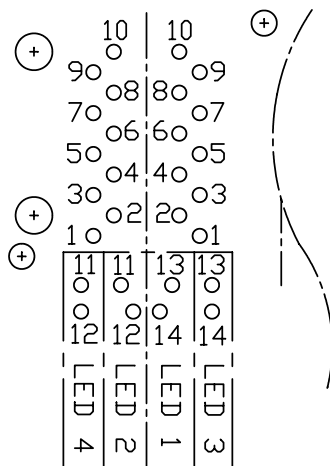
c us UL RECOGNIZED - FILE #E196366 AND E169987.
 4. THE PRODUCT IS PATENTED, THE PATENT NUMBRER ARE U.S. PAT. 5,736,910 AND U.S. PAT. 6,840,817 AND U.S. PAT. 7,123,117.

ORIGINATED BY ANTON LIAO	DATE 2012-08-29	TITLE 2X3 gigabit MagJack® COMPRESSOR SERIES (8 Cores) PATENTED	PART NO. / DRAWING NO. C850-2E3R-54		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
			FILE NAME C850-2E3R-54_B.DWG		.X .XX .XXX	±0.010	UNIT : INCH [mm]	REV. : B
DRAWN BY HE ZHEN	DATE 2012-08-29					SCALE : N/A	SIZE : A4	PAGE : 3



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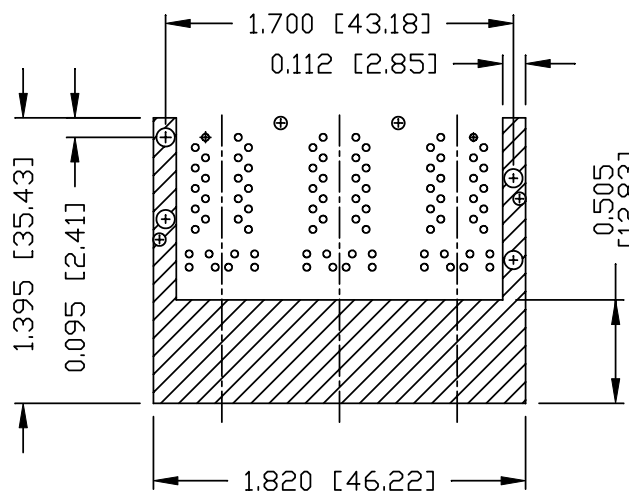
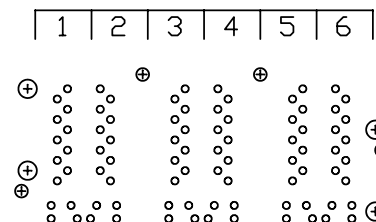


LED FOR LOWER DECK LED FOR UPPER DECK

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-

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
DRAWN BY HE ZHEN	DATE 2012-08-29

TITLE 2X3 gigabit MagJack® COMPRESSOR SERIES (8 Cores) PATENTED
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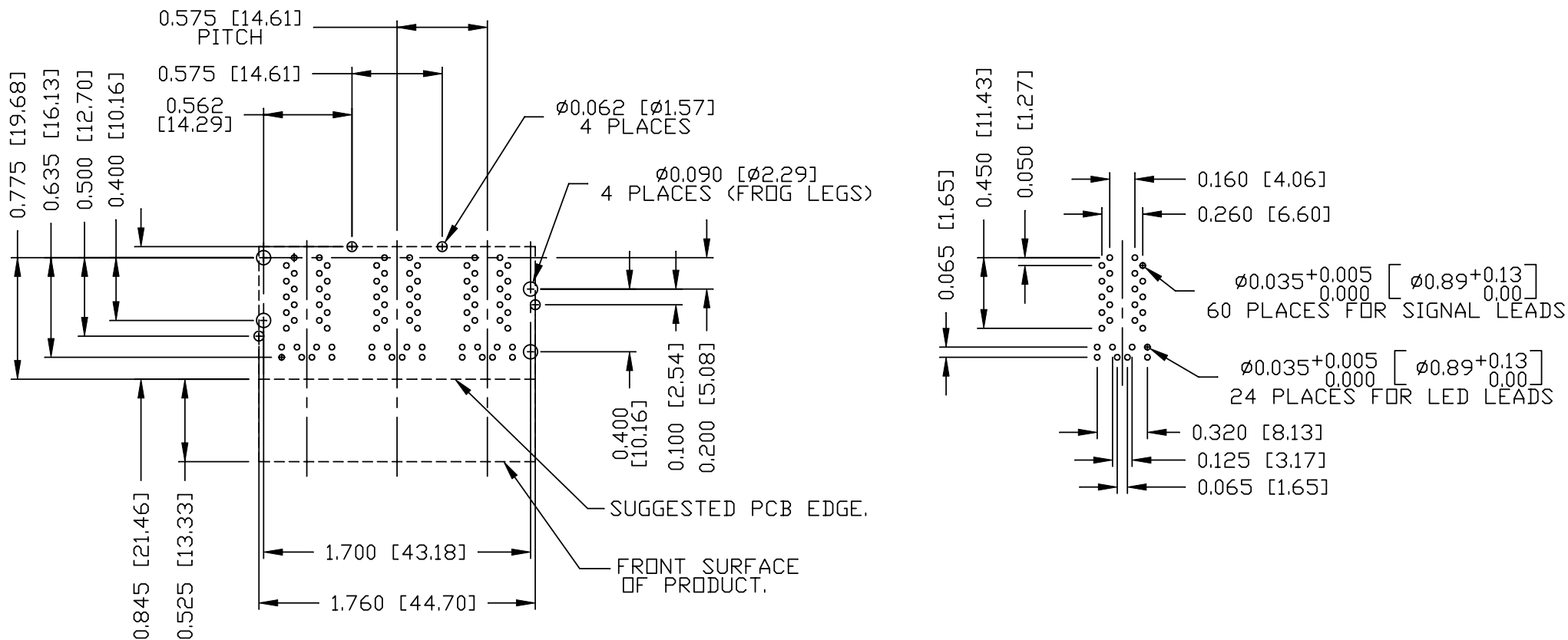
STANDARD DIM. TOL. IN INCH
.X
.XX
.XXX ±0.004

[] METRIC DIM. AS REFERENCE
UNIT : INCH [mm]
SCALE : N/A
REV. : B
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SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)

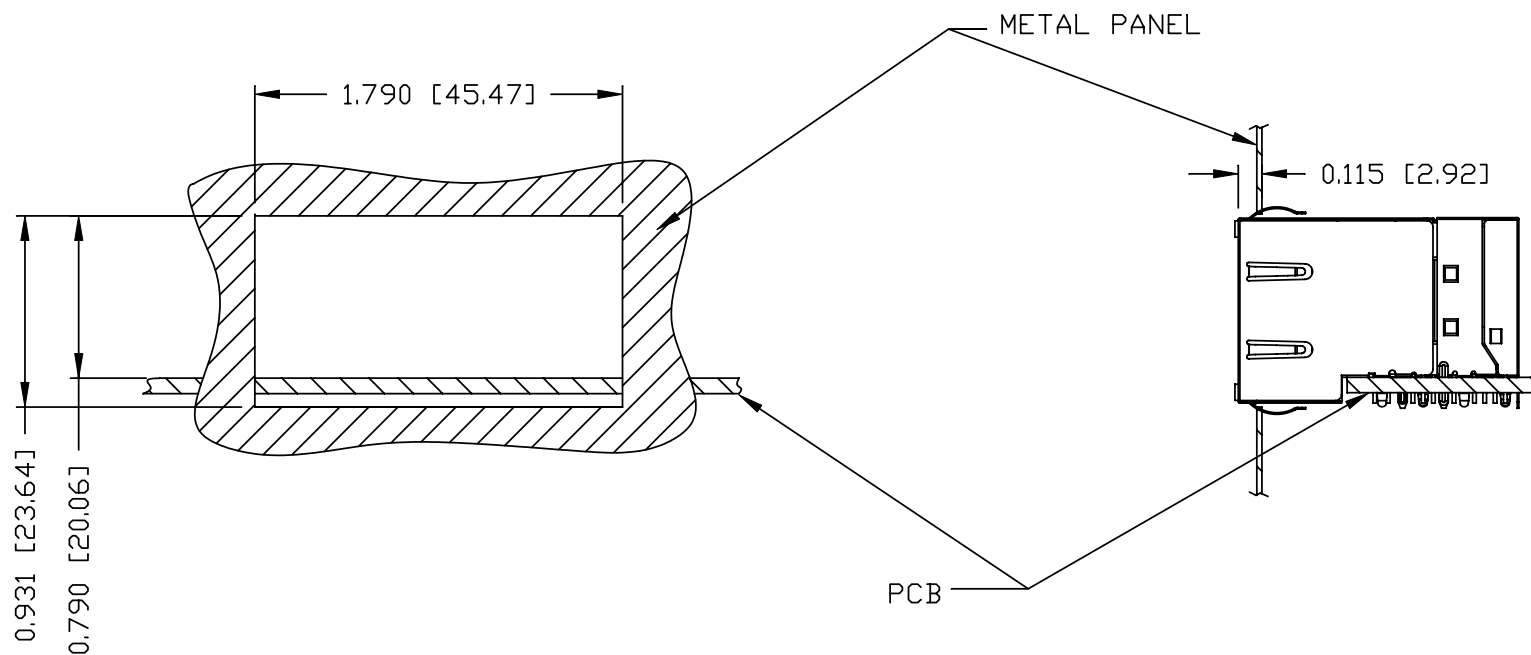
ORIGINATED BY ANTON LIAO	DATE 2012-08-29	TITLE 2X3 gigabit MagJack® COMPRESSOR SERIES (8 Cores) PATENTED	PART NO. / DRAWING NO. C850-2E3R-54	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	bel COMPONENTS FOR A CONNECTED PLANET
DRAWN BY HE ZHEN	DATE 2012-08-29		FILE NAME C850-2E3R-54_B.DWG	.X .XX .XXX ±0.004	UNIT : INCH [mm] SCALE : N/A	

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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-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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					.XXX	±0.004		PAGE : 6

