



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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| LED 2 & 4 POLARITY | | | LED 1 & 3 POLARITY | | |
|--------------------|--------|-------|--------------------|--------|-------|
| PIN 11 | PIN 12 | COLOR | PIN 13 | PIN 14 | COLOR |
| + | - | 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) @ 100 OHMS +/-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

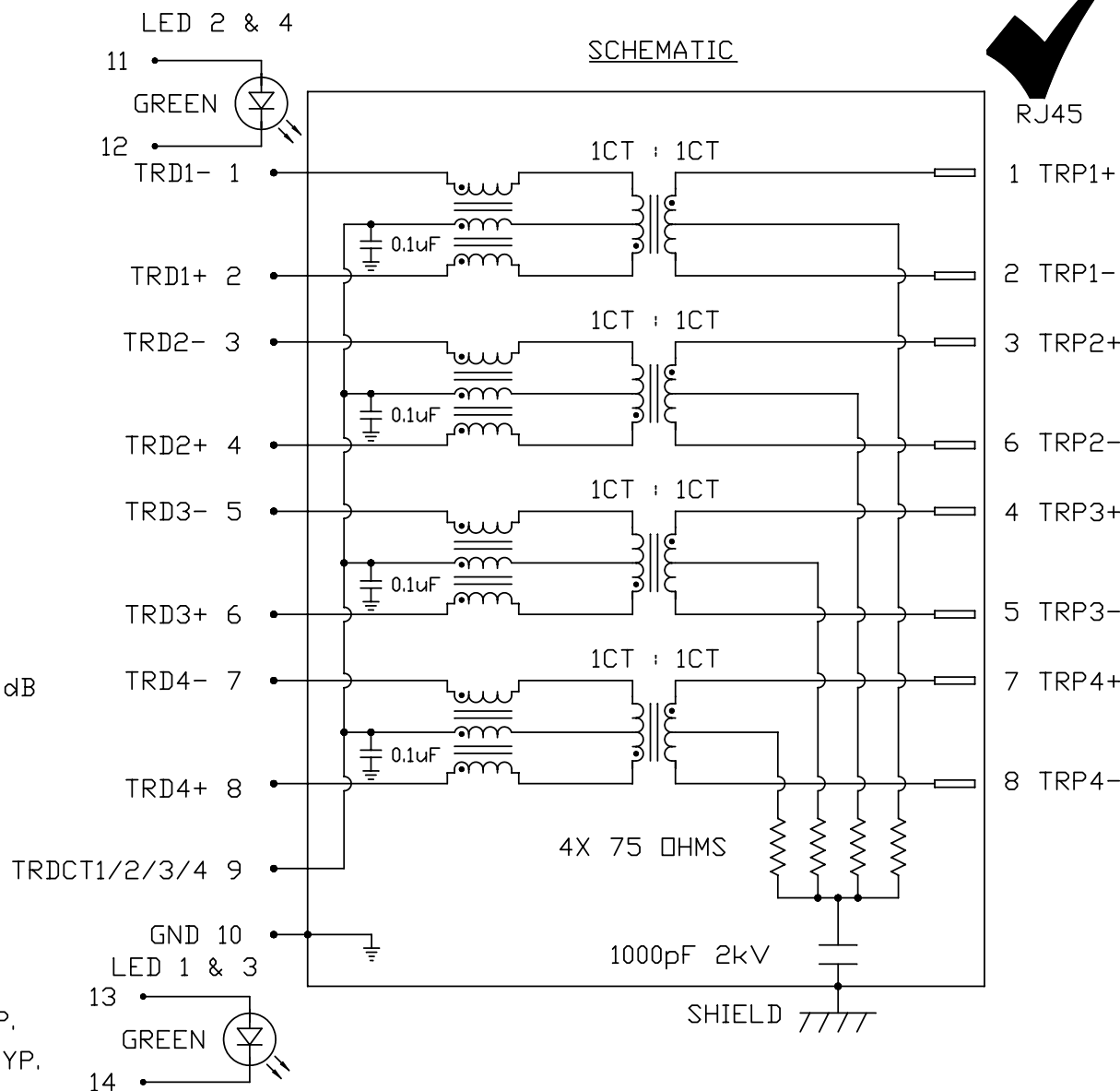
| | |
|-----------------|------------|
| 100kHz - 100MHz | -35 dB MIN |
|-----------------|------------|

HIPOT (Isolation Voltage): 1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 REQUIREMENTS

LED 1,LED 2,LED 3 & LED 4

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



ORIGINATED BY DATE
CHOW WANCHUNG 2012-08-29

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

PART NO. / DRAWING NO.
C850-2G3R-54

FILE NAME
C850-2G3R-54_C.DWG

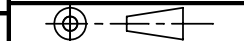
STANDARD DIM.
TOL. IN INCH

.X
.XX
.XXX

[] METRIC DIM. AS REFERENCE

UNIT : INCH [mm]

SCALE : N/A



REV. : C

SIZE : A4

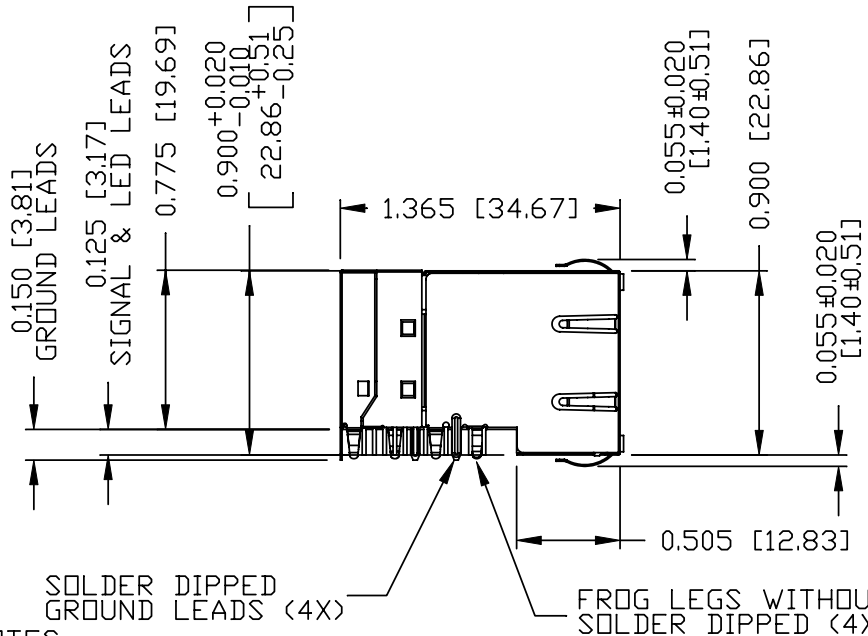
PAGE : 2



COMPONENTS FOR A
CONNECTED
PLANET

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RoHS



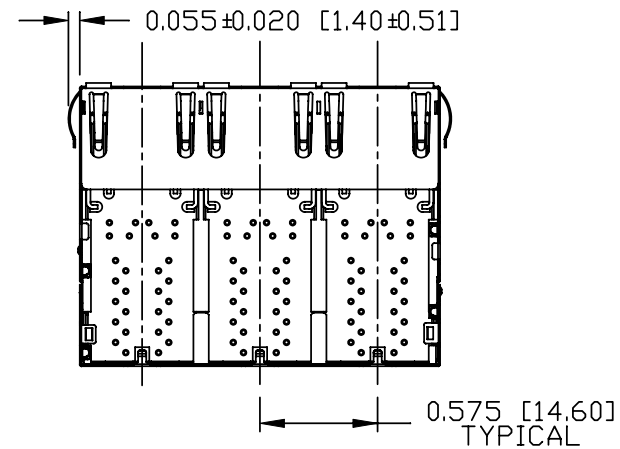
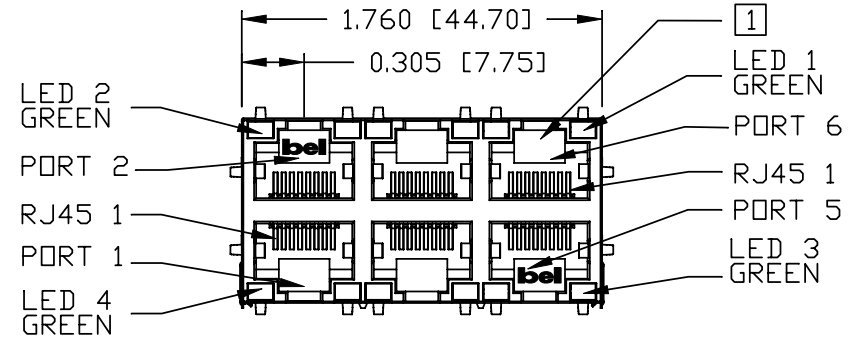
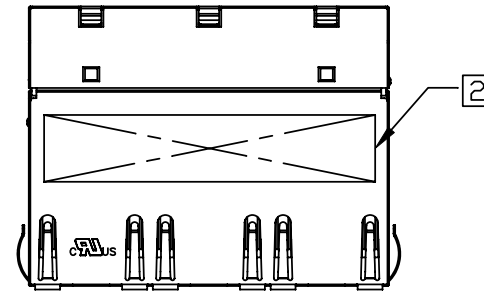
NOTES:

- 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 PDB 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.
UL RECOGNIZED - FILE #E196366 AND E169987.

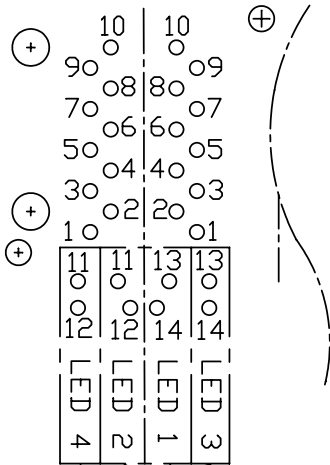


4. THE PRODUCT IS PATENTED, THE PATENT NUMBRER ARE U.S. PAT. 5,736,910 AND U.S. PAT. 6,840,817 AND U.S. PAT. 7,123,117.

| | | | | | | | | | |
|-----------------------------|--------------------|---|--|--|-------------------------------|--------|------------------------------|-----------|--|
| ORIGINATED BY ANTON LIAO | DATE 2012-08-29 | TITLE 2X3 gigabit MagJack® COMPRESSOR SERIES (8 Cores) PATENTED | PART NO. / DRAWING NO. C850-2G3R-54 | | STANDARD DIM. TOL. IN INCH | | [] METRIC DIM. AS REFERENCE | | bel COMPONENTS FOR A CONNECTED PLANET |
| | | | FILE NAME C850-2G3R-54_C.DWG | | .X | | UNIT : INCH [mm] | REV. : C | |
| DRAWN BY HE ZHEN | DATE 2012-08-29 | | | | .XX | | SCALE : N/A | SIZE : A4 | PAGE : 3 |
| | | | | | .XXX | ±0.010 | | | |

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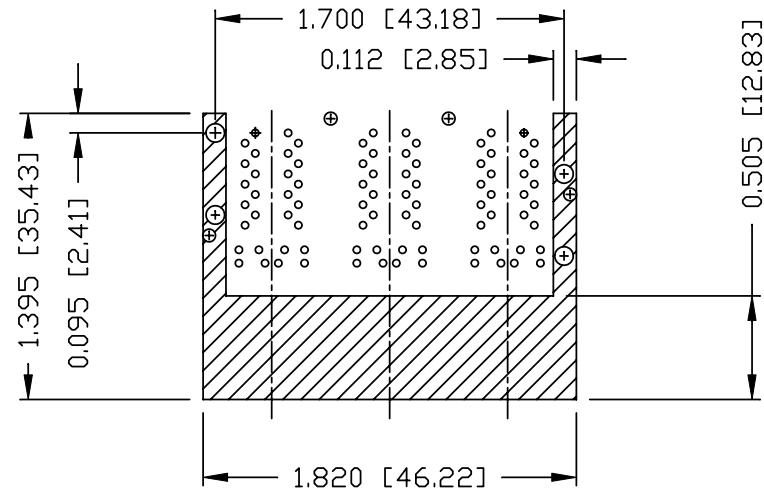
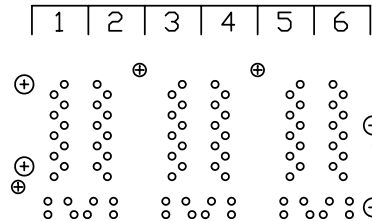


LED FOR LOWER DECK LED FOR UPPER DECK

PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

| | |
|----|--------------|
| 14 | GREEN (-) |
| 13 | GREEN (+) |
| 12 | GREEN (-) |
| 11 | 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 DATE
ANTON LIAO 2012-08-29

TITLE
2X3 gigabit MagJack®
COMPRESSOR SERIES

PART NO. / DRAWING NO.
C850-2G3R-54

STANDARD DIM.
TOL. IN INCH

[] METRIC DIM. AS REFERENCE
UNIT : INCH [mm] REV. : C



DRAWN BY DATE
HE ZHEN 2012-08-29

(8 Cores)
PATENTED

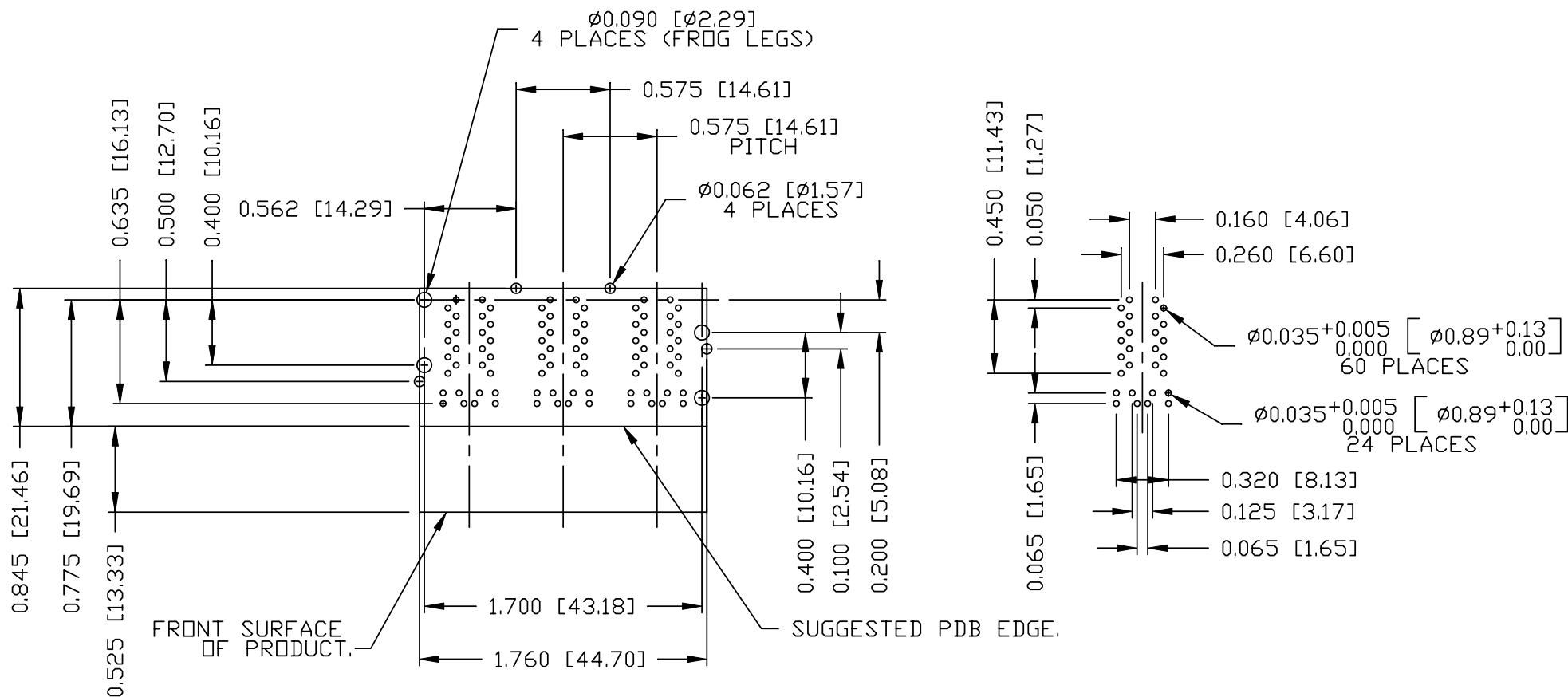
FILE NAME
C850-2G3R-54_C.DWG

| | |
|------|---|
| .X | / |
| .XX | |
| .XXX | |

SCALE : N/A SIZE : A4
PAGE : 4

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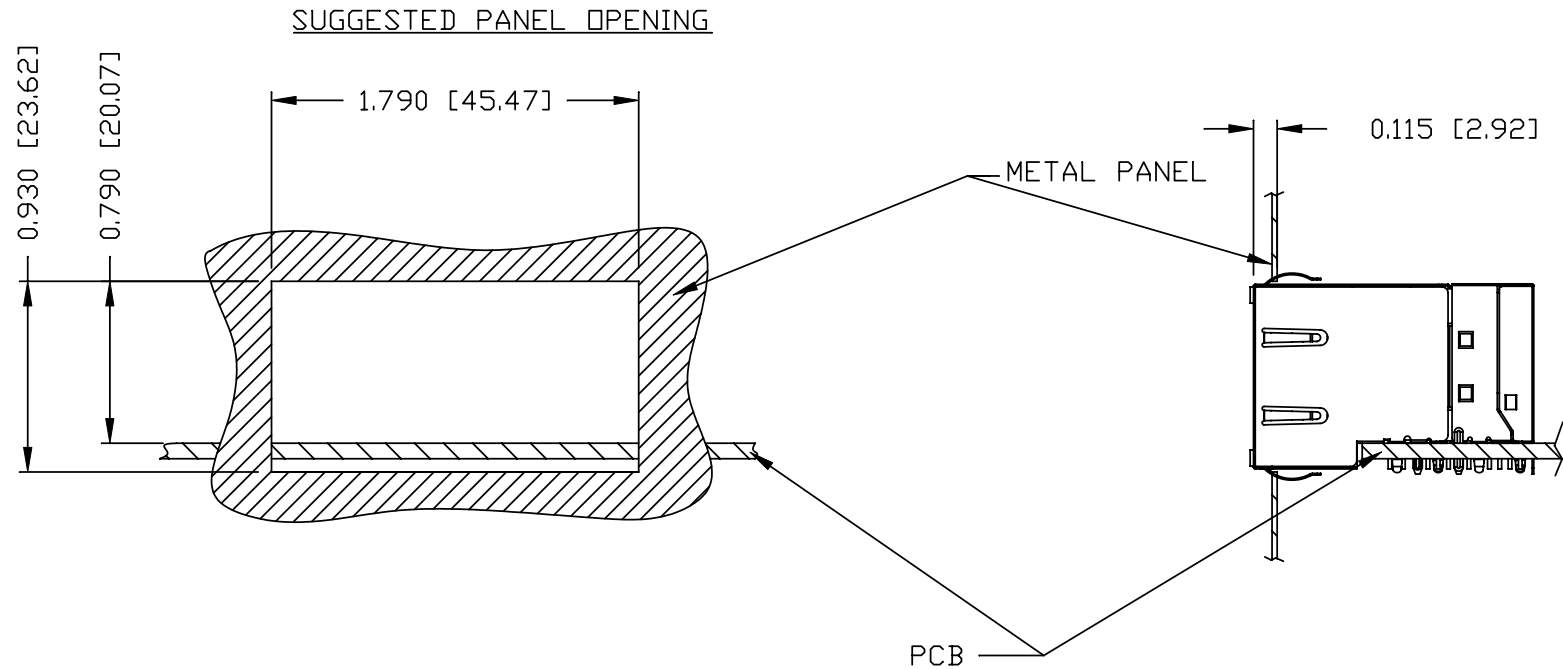
SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)

| | | | | | | | |
|-----------------------------|--------------------|---|--|---------------|---|------------------------------|-----------|
| ORIGINATED BY ANTON LIAO | DATE 2012-08-29 | TITLE 2X3 gigabit MagJack® COMPRESSOR SERIES (8 Cores) PATENTED | PART NO. / DRAWING NO. C850-2G3R-54 | STANDARD DIM. | | [] METRIC DIM. AS REFERENCE | |
| | | | | TOL. IN INCH | | UNIT : INCH [mm] | REV. : C |
| DRAWN BY HE ZHEN | DATE 2012-08-29 | | FILE NAME C850-2G3R-54_C.DWG | .X | / | SCALE : N/A | SIZE : A4 |
| | | | | .XX | | ⊕ --- | PAGE : 5 |
| | | | | .XXX | | | |



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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 : 0200-9999-G8 (TOP)

0200-9999-G9 (BOTTOM)

PACKING QUANTITY : 30 PDS FINISHED GOODS PER TRAY.

6 TRAYS (180 PDS 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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| DRAWN BY HE ZHEN | DATE 2012-08-29 | | FILE NAME C850-2G3R-54_C.DWG | .X .XX .XXX | ±0.004 | UNIT : INCH [mm] SCALE : N/A ⊕ |

