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RoHS
2002/95/EC



RJ45

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.
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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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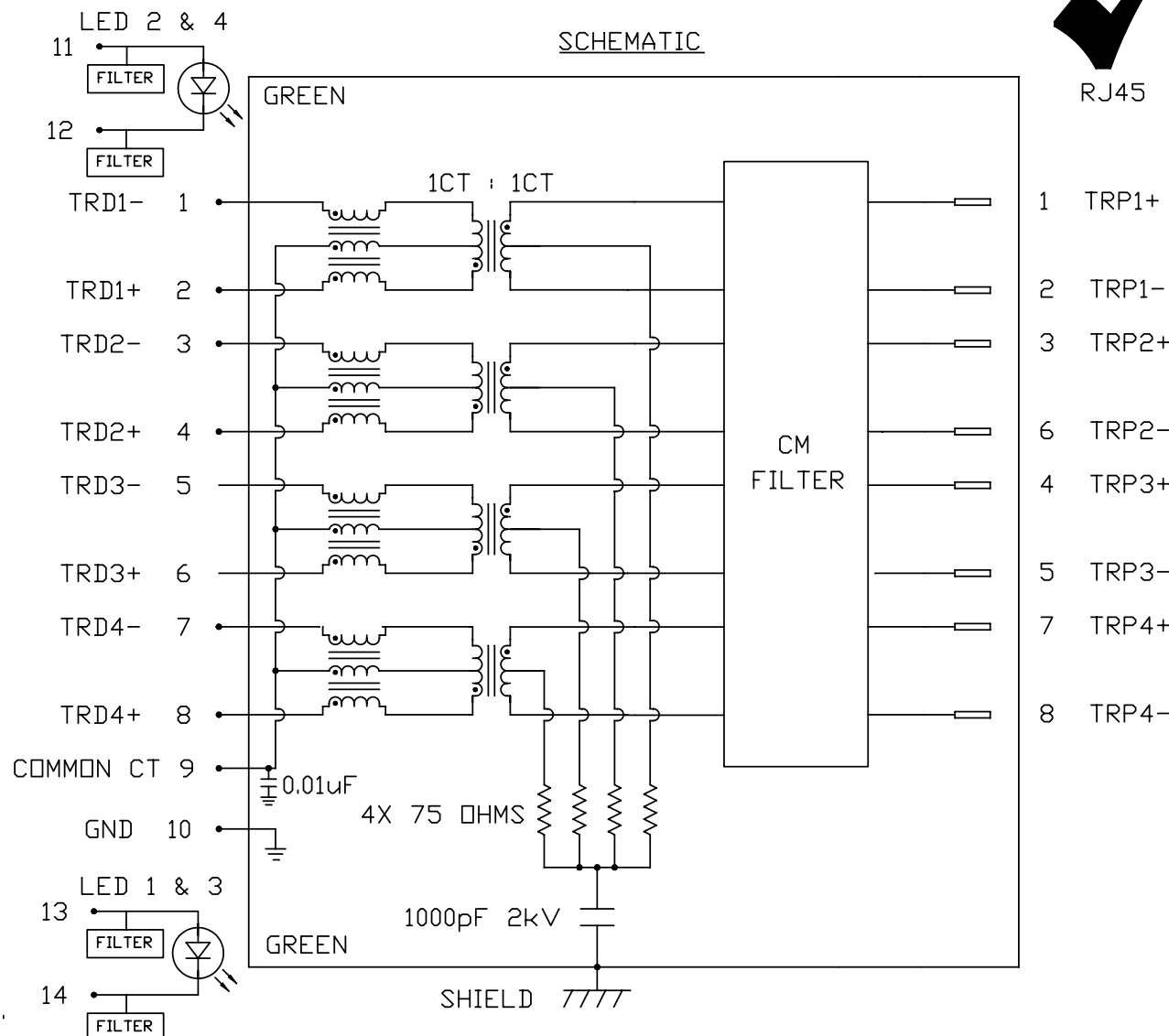
HIPOT (Isolation Voltage): 1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION 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 WANGCHUNG 04-22-09

DRAWN BY DATE
LEE WEIDE 04-22-09

TITLE
2X8 gigabit MagJack®
COMPRESSOR SERIES
(9 Cores)
PATENTED

PART NO. / DRAWING NO.
C850-2G8R-FF

FILE NAME
C850-2G8R-FF_A.DWG

STANDARD DIM.
TOL. IN INCH

.X
.XX
.XXX

[] METRIC DIM. AS REFERENCE

UNIT : INCH [mm] REV. : A

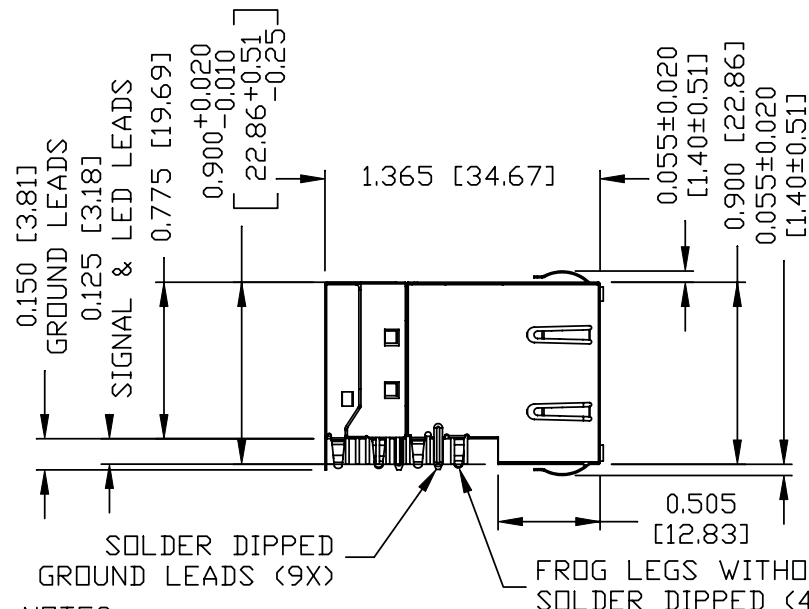
SCALE : N/A SIZE : A4

PAGE : 2

bel
COMPONENTS FOR A
CONNECTED
PLANET

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NOTES:

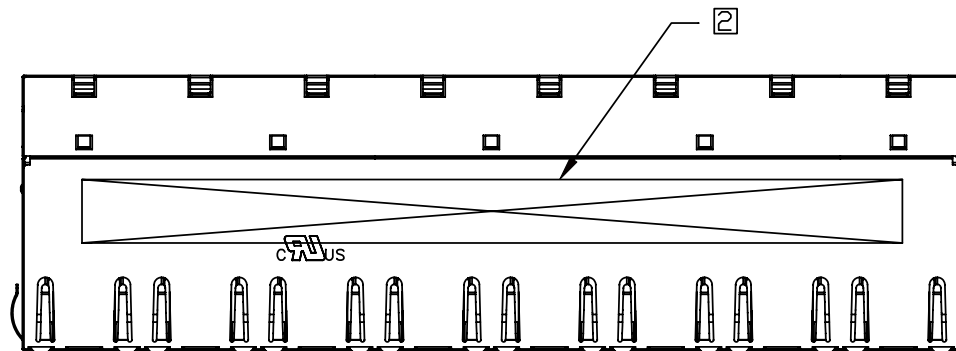
PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACT PLATING: 30 MICRO-INCH HARD GOLD PLATING
OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)
FROG LEGS ARE FOR PCB RETENTION FORCE ONLY AND NOT FOR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

cULus UL RECOGNIZED - FILE #E196366 AND E169987.

RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

THE PRODUCT IS PATENTED, THE PATENT NUMBER IS U.S. PAT. 5,736,910.



LED 2 GREEN
PORT 2
RJ45 1
PORT 1
LED 4 GREEN

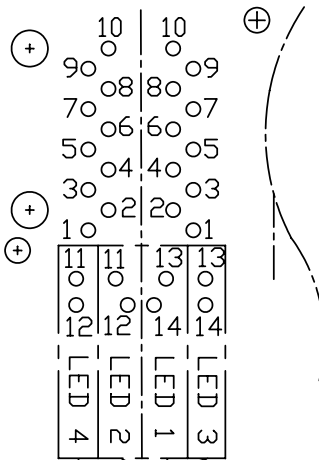
1
LED 1 GREEN
PORT 16
RJ45 1
PORT 15
LED 3 GREEN

ORIGINATED BY	DATE	TITLE 2X8 gigabit MagJack® COMPRESSOR SERIES (9 Cores) PATENTED	PART NO. / DRAWING NO. C850-2G8R-FF	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 
LIU QIN	04-22-09		FILE NAME C850-2G8R-FF_A.DWG	.X		UNIT : INCH [mm]	REV. : A	
DRAWN BY	DATE			.XX		SCALE : N/A	SIZE : A4	
XIAN JIAXIN	04-22-09			.XXX	±0.010		PAGE : 3	

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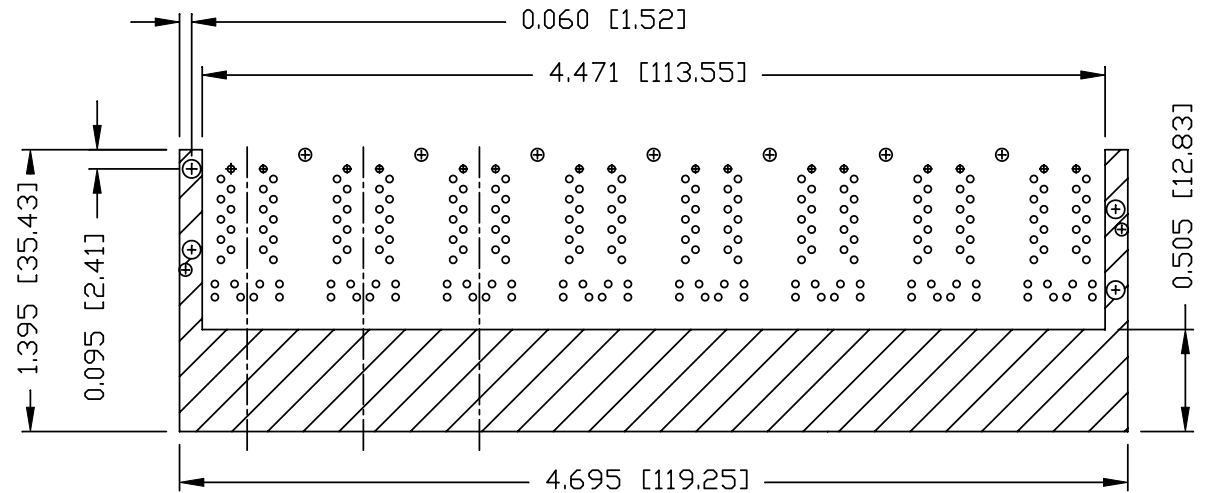
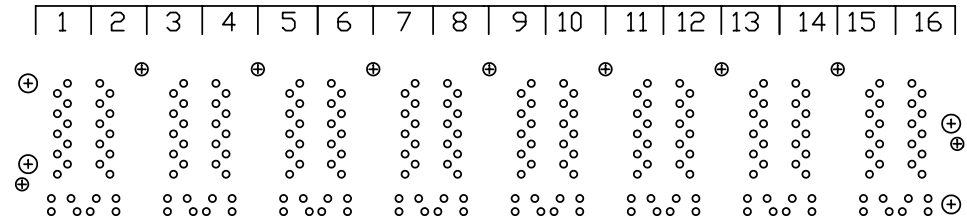


LED FOR LOWER DECK LED FOR UPPER DECK

PIN-OUT INFORMATION (COMPONENT SIDE VIEW)

14	GREEN (-)
13	GREEN (+)
12	GREEN (-)
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
LIU QIN	04-22-09
DRAWN BY	DATE
XIAN JIAXIN	04-22-09

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FILE NAME
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STANDARD DIM.
TOL. IN INCH

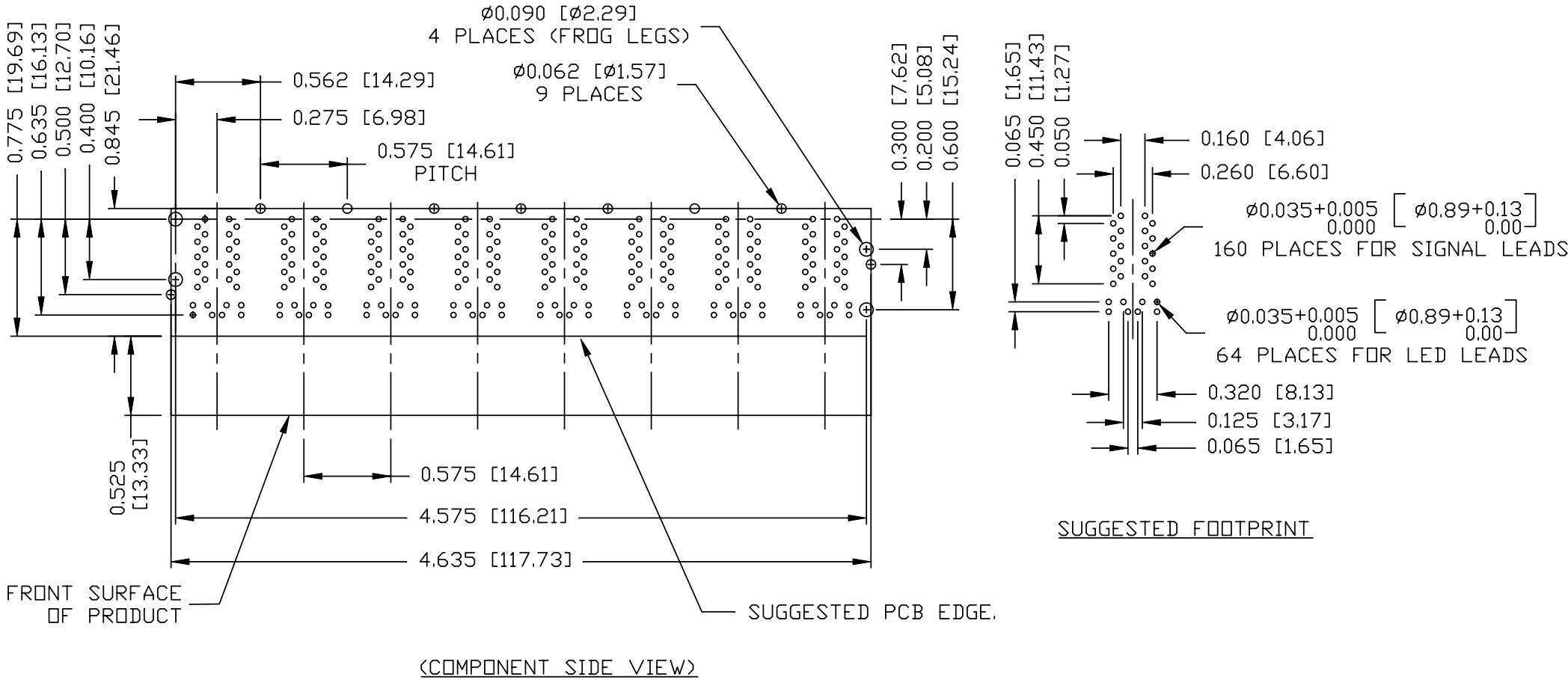
.X	
.XX	
.XXX	±0.004

[] METRIC DIM. AS REFERENCE

UNIT : INCH [mm]	REV. : A
SCALE : N/A	SIZE : A4
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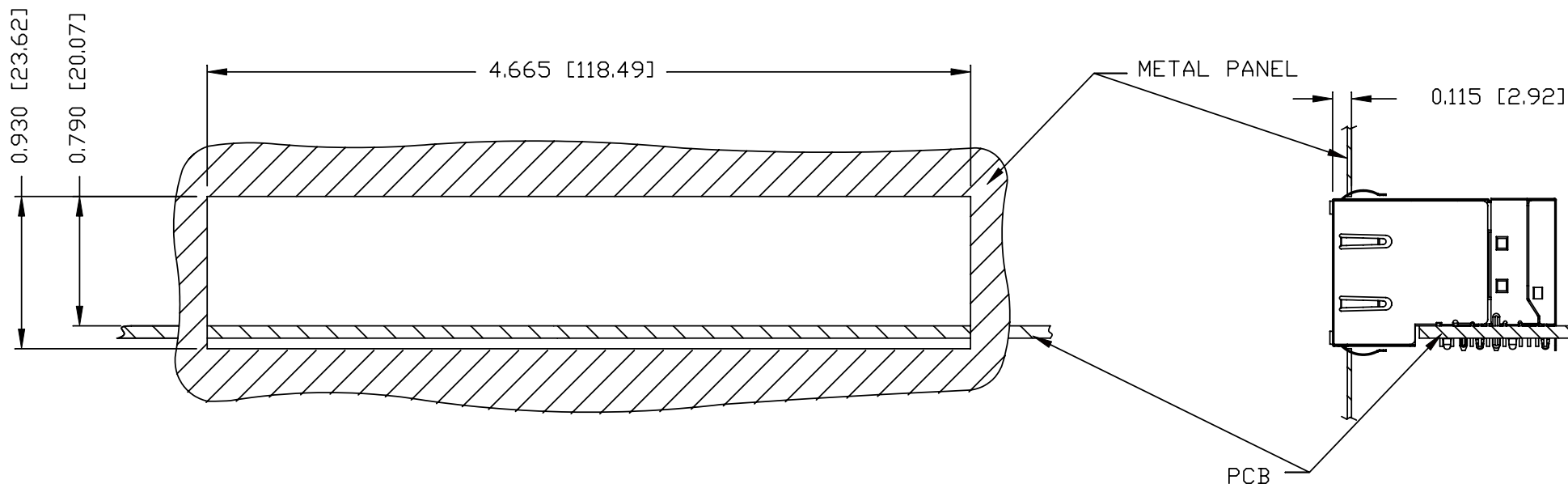


ORIGINATED BY LIU QIN	DATE 04-22-09	TITLE 2X8 gigabit MagJack® COMPRESSOR SERIES (9 Cores) PATENTED	PART NO. / DRAWING NO. C850-2G8R-FF	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
				.X		UNIT : INCH [mm]	REV. : A
DRAWN BY XIAN JIAXIN	DATE 04-22-09		FILE NAME C850-2G8R-FF_A.DWG	.XX		SCALE : N/A	SIZE : A4
				.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-K7 (TOP)

0200-9999-K8 (BOTTOM)

PACKING QUANTITY : 12 PCS FINISHED GOODS PER TRAY.

6 TRAYS (72 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. : A
LIU QIN	04-22-09	2X8 gigabit MagJack® COMPRESSOR SERIES (9 Cores) PATENTED	C850-2G8R-FF FILE NAME C850-2G8R-FF_A.DWG	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX			PAGE : 6
XIAN JIAXIN	04-22-09			.XXX	±0.004		