



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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RoHS
2002/95/EC



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

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

OC L @ 100kHz/100mVRMS

FOR CHANNEL 1 AND CHANNEL 2

11mA DC BIAS 350µH MIN.

Compliant to IEEE 802.3at specification

FOR CHANNEL 3 AND CHANNEL 4

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) @ 100ΩHMS ±15%

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): 2250 VDC

100% OF PRODUCTION TESTED TO COMPLY WITH

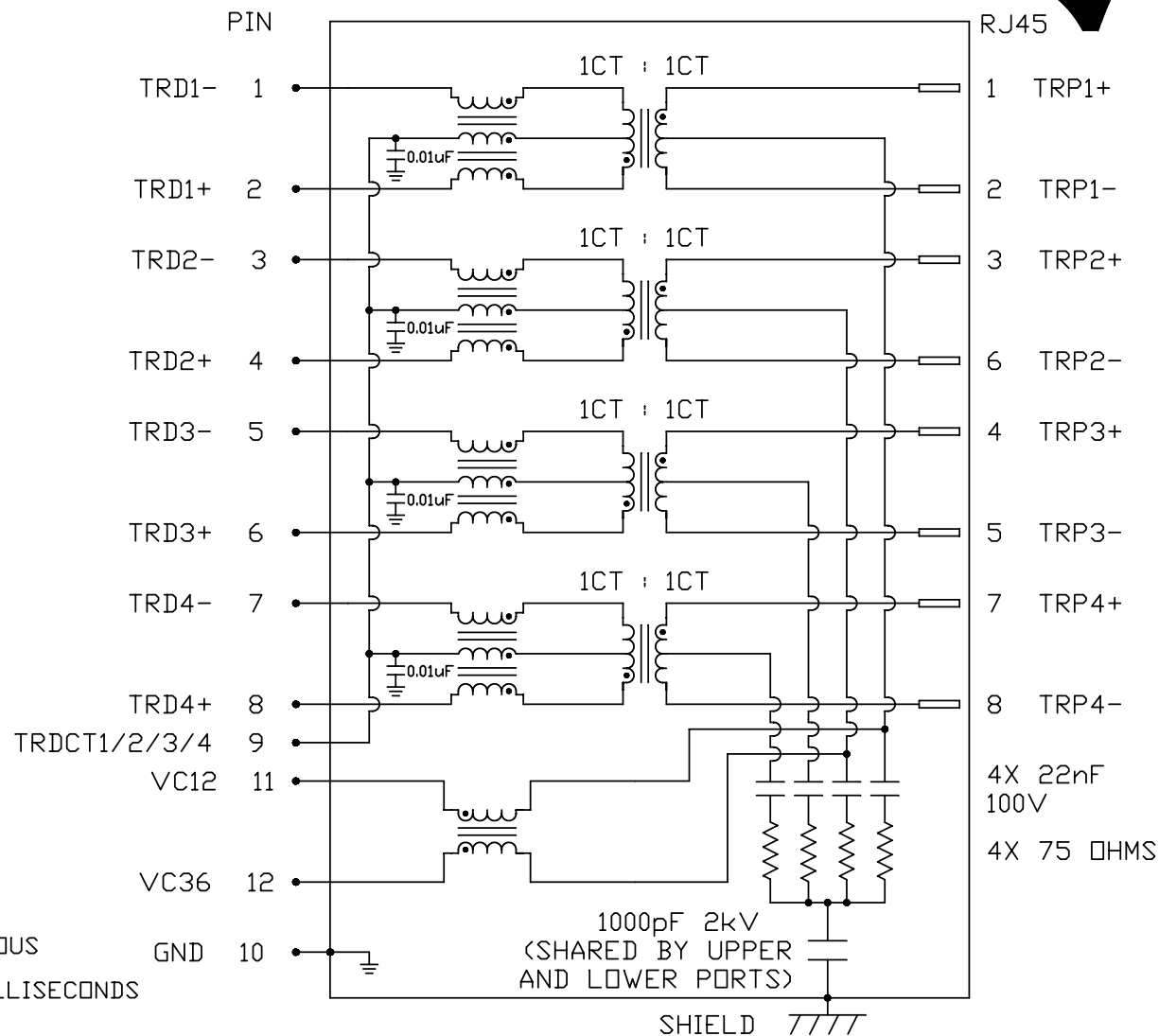
IEEE 802.3 ISOLATION REQUIREMENTS.

BALANCED DC LINE CURRENT 720 mA MAX. @ 57 VDC CONTINUOUS

1.2A MAX. @ 57 VDC FOR 200 MILLISECONDS

OPERATING TEMPERATURE -40°C TO +85°C

SCHEMATIC

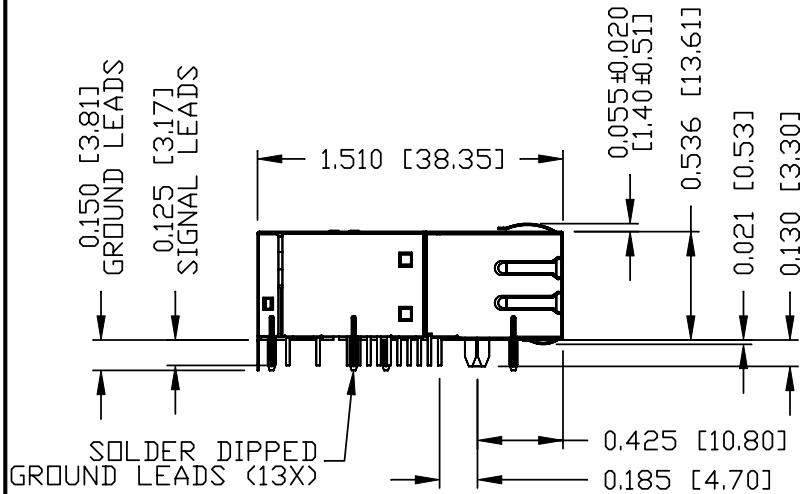


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
CHOW WANGCHUNG	01-19-11	1X8 gigabit MagJack® (PoE)	08741X8TGK-F	TOL. IN INCH	UNIT : INCH [mm] REV. : A
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A SIZE : A4
LEE WEIDE	01-19-11	0874-1X8T-GK-F PATENTED	08741X8TGK-F_A.DWG	.XX	⊕ - - - ⊕
				.XXX	PAGE : 2

bel
COMPONENTS FOR A
CONNECTED
PLANET

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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)

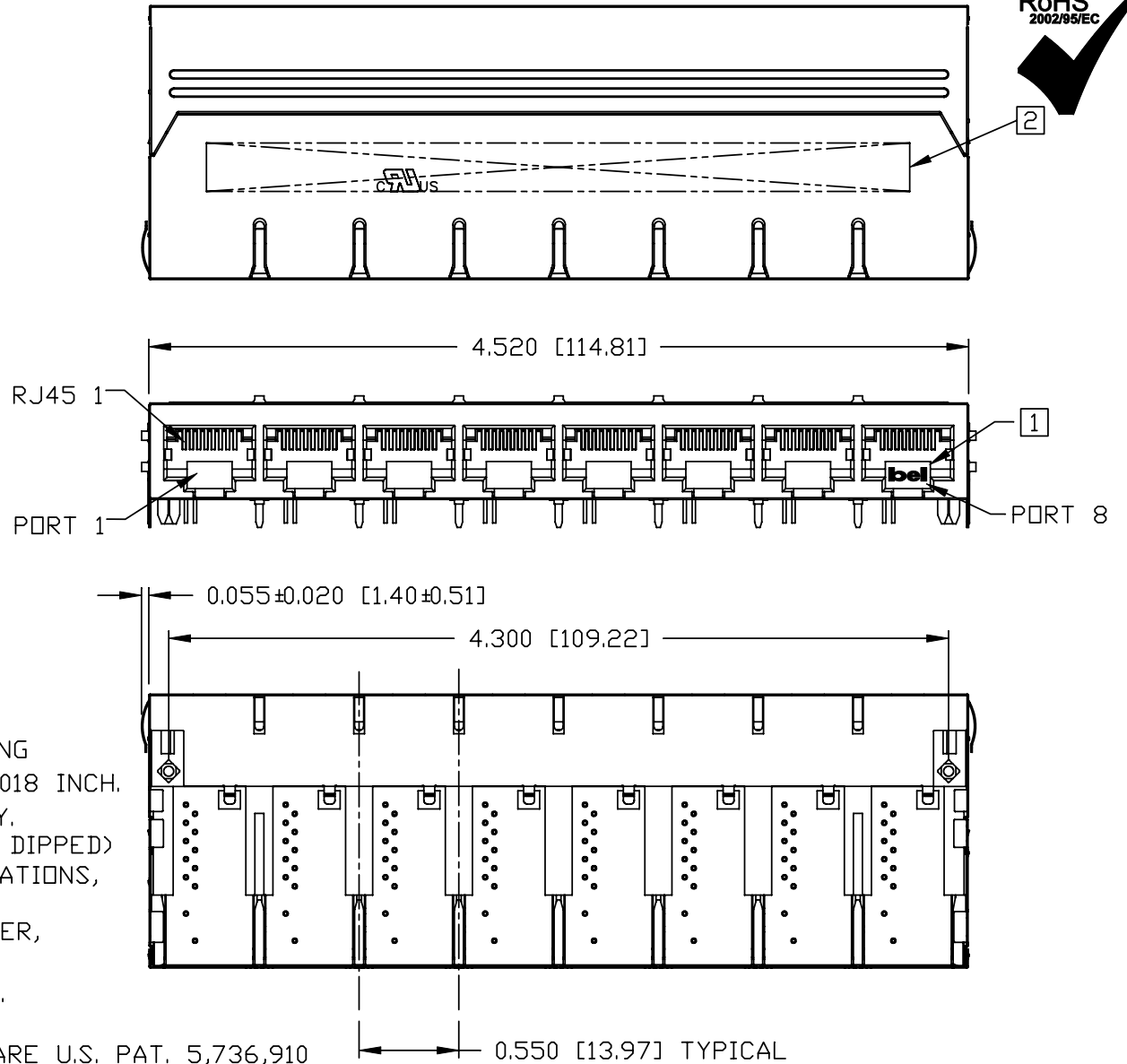
1 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.

2 MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE AND PATENTED.

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

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

AND U.S. PAT. 6,840,817 AND U.S. PAT 7,123,117.

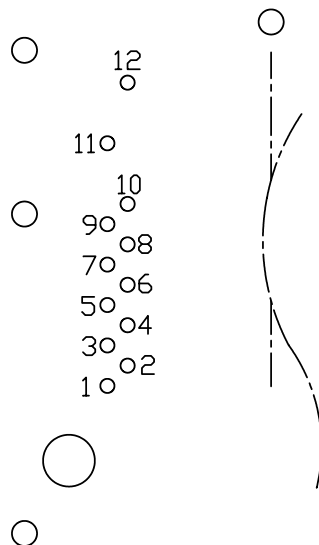


ORIGINATED BY	DATE	TITLE 1X8 gigabit MagJack® (PoEp) 0874-1X8T-GK-F PATENTED	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 bel COMPONENTS OR A CONNECTED PLANET
CHEN BILL	01-19-11		08741X8TGK-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : A	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
XIAN JIAXIN	01-19-11		08741X8TGK-F_A.DWG	.XX				
			.XXX	±0.010				

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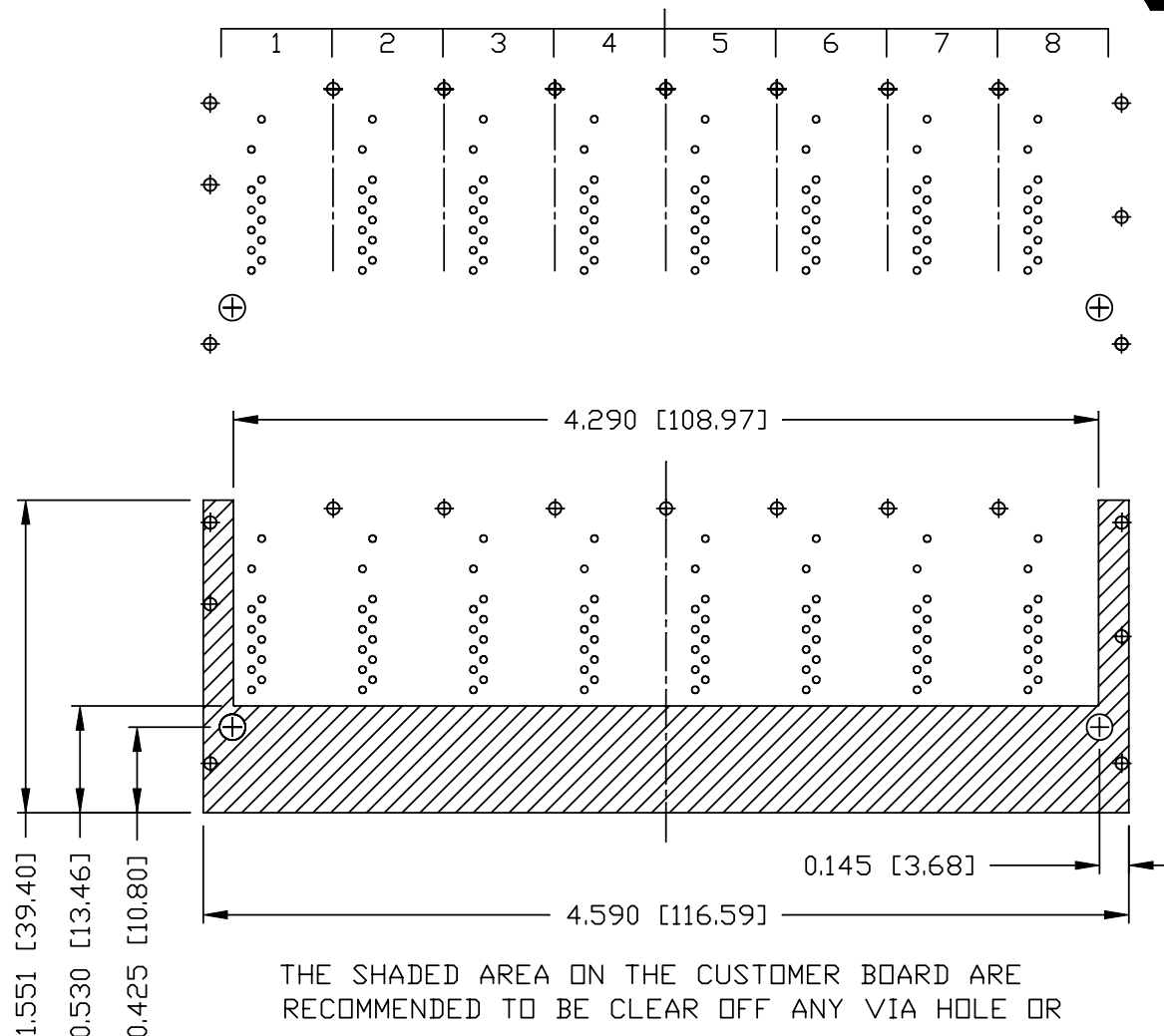
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PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

12	VC36
11	VC12
10	GND
9	TRCT1/2/3/4
8	TRD 4+
7	TRD 4-
6	TRD 3+
5	TRD 3-
4	TRD 2+
3	TRD 2-
2	TRD 1+
1	TRD 1-

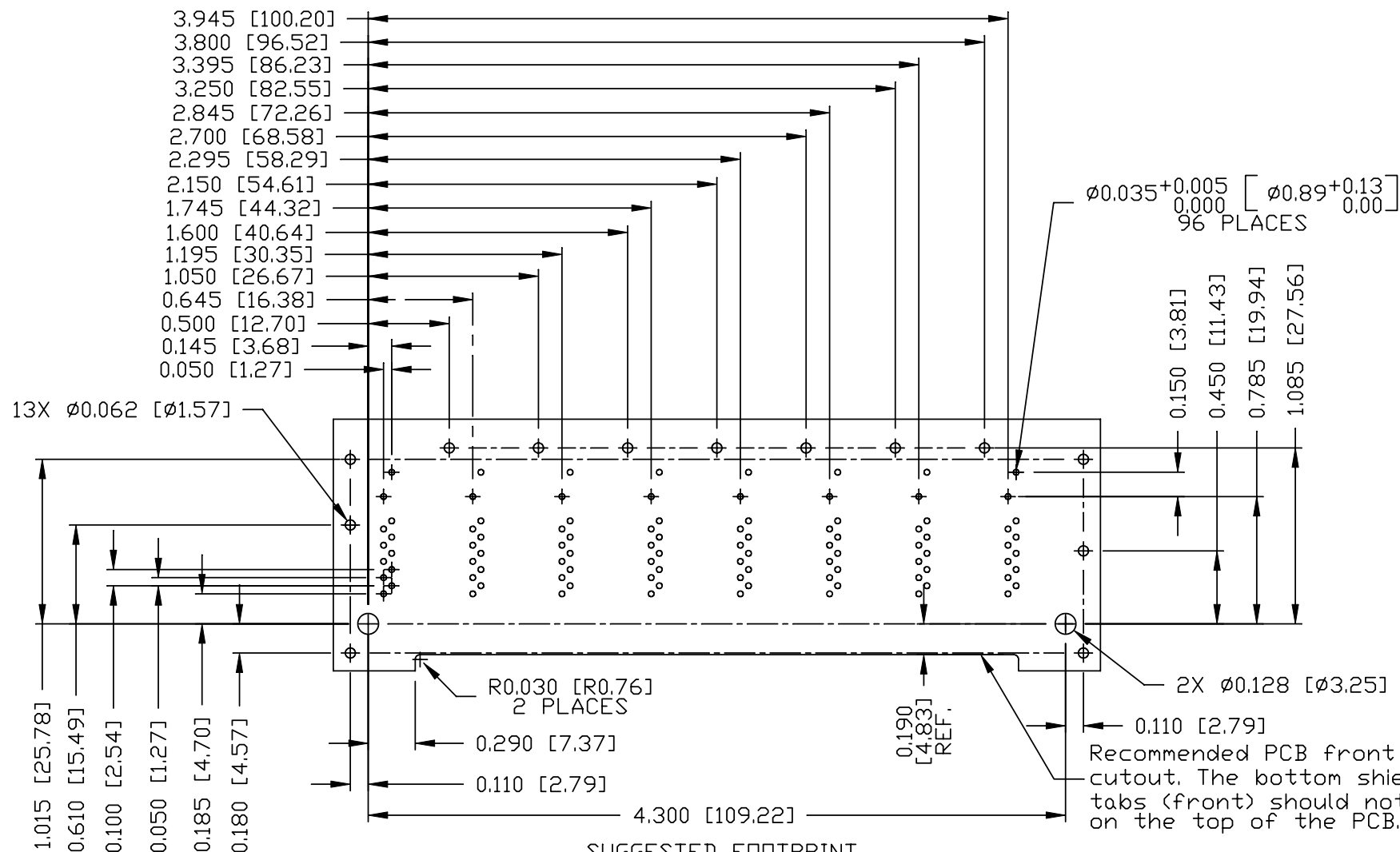
PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



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

ORIGINATED BY CHEN BILL	DATE 01-19-11	TITLE 1X8 gigabit MagJack® (PoEp) 0874-1X8T-GK-F PATENTED	PART NO. / DRAWING NO. 08741X8TGK-F	STANDARD DIM. TOL. IN INCH .X .XX .XXX ±0.004	[] METRIC DIM. AS REFERENCE	
					UNIT : INCH [mm]	REV. : A
DRAWN BY XIAN JIAXIN	DATE 01-19-11		FILE NAME 08741X8TGK-F_A.DWG		SCALE : N/A	SIZE : A4
						PAGE : 4





SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)

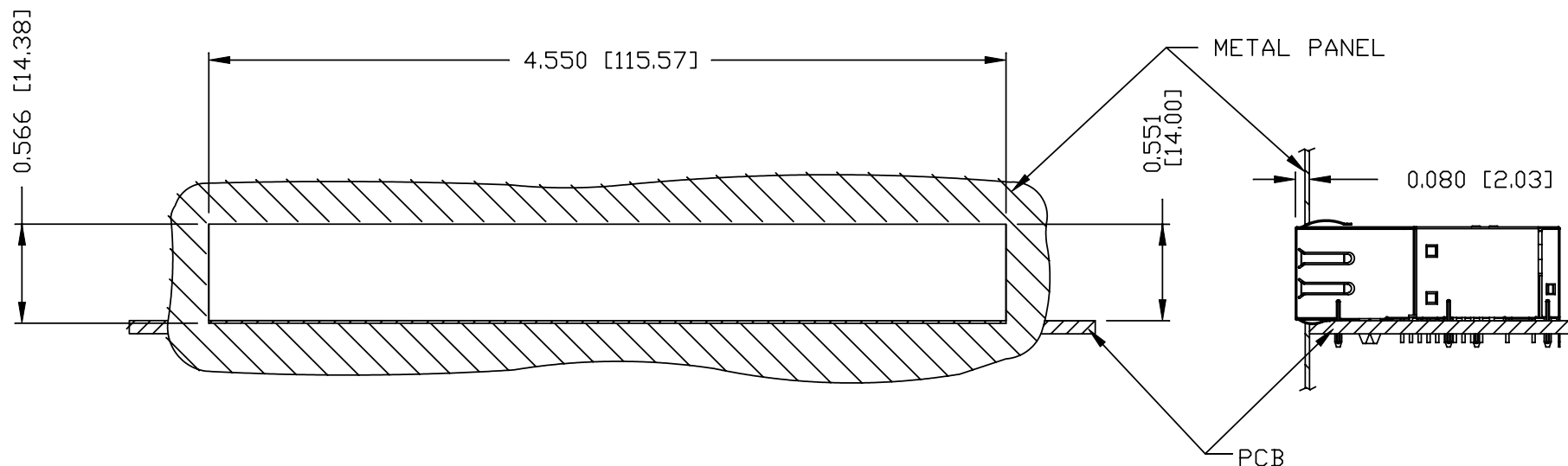
ORIGINATED BY	DATE	TITLE	1X8 glgabit MagJack® (PoEp) 0874-1X8T-GK-F PATENTED	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
CHEN BILL	01-19-11			08741X8TGK-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : A	
DRAWN BY	DATE			FILE NAME	.X		SCALE : N/A	SIZE : A4	
XIAN JIAXIN	01-19-11			08741X8TGK-F_A.DWG	.XX			PAGE : 5	
					.XXX	±0.004			

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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-F8 (TOP)

0200-9999-F9 (BOTTOM)

PACKING QUANTITY : 12 PCS FINISHED GOODS PER TRAY.

5 TRAYS (60 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
CHEN BILL	01-19-11	1X8 gigabit MagJack® (PoEp) 0874-1X8T-GK-F PATENTED	08741X8TGK-F FILE NAME 08741X8TGK-F_A.DWG	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX			PAGE : 6
XIAN JIAXIN	01-19-11			.XXX	±0.004		

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COMPONENTS FOR A
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