



PRELIMINARY

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

ELECTRICAL CHARACTERISTICS @ 25°C

TRANSFORMER

TP1 1CT : 1CT ±2%

TP2 1CT : 1CT ±2%

OCL @ 100kHz/100mVRMS

8mA DC BIAS (0°C - 70°C) 350μH MIN.

INS. LOSS

0.1MHz TO 1MHz -1.1 dB MAX

1MHz TO 65MHz -0.5 dB MAX

65MHz TO 100MHz -1.0 dB MAX

RET. LOSS (MIN) @ 100ΩHMS ±15%

0.5MHz-40MHz -18 dB

40MHz-80MHz -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

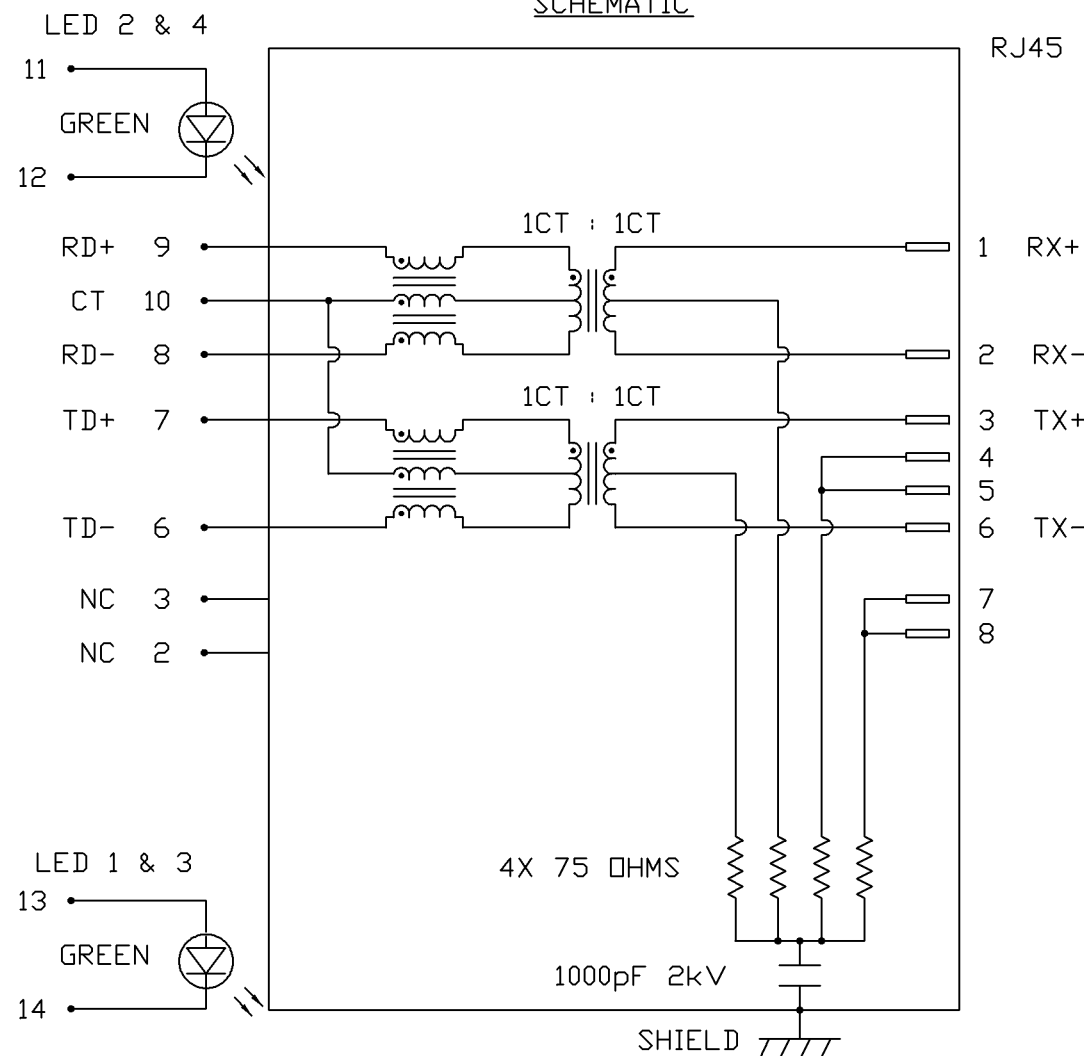
100% OF PRODUCTION TESTED TO COMPLY WITH
IEEE 802.3 ISOLATION REQUIREMENTS.

LED 1, 2, 3 AND 4

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

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

SCHEMATIC

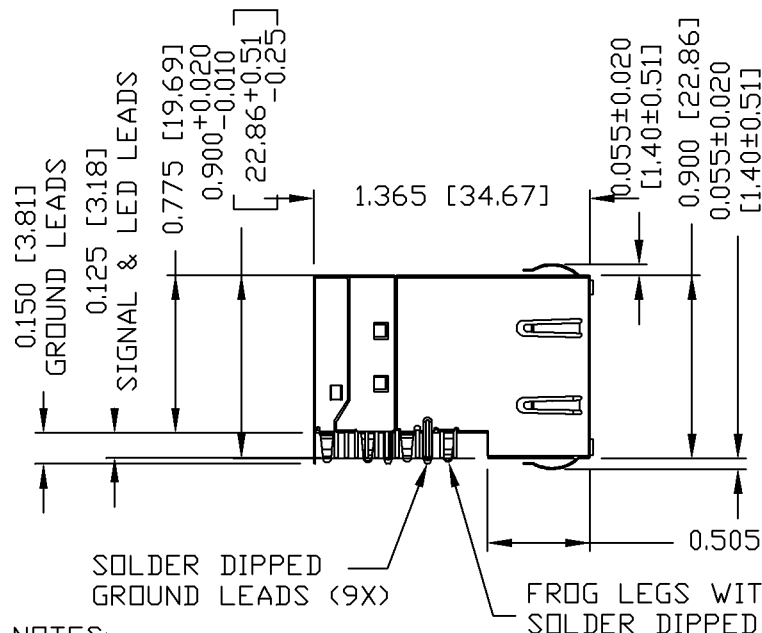


ORIGINATED BY	DATE	TITLE 2X8 MagJack® (COMPRESSOR SERIES)	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET	
WANCHUNG CHOW	01-12-09		C850-2G8R-M9			UNIT : INCH [mm]	REV. : PD		
DRAWN BY	DATE		FILE NAME			.X	SCALE : N/A		SIZE : A4
WEIDE LEE	01-12-09		C850-2G8R-M9_PD.DWG			.XX			PAGE : 2
				.XXX					

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PRELIMINARY

RoHS
2002/95/EC



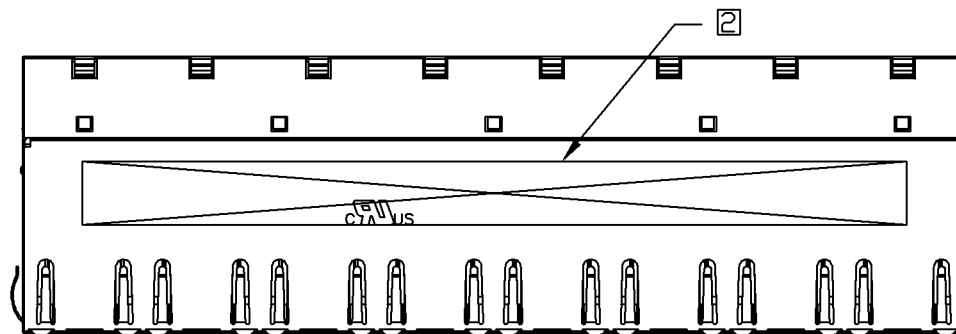
NOTES:

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

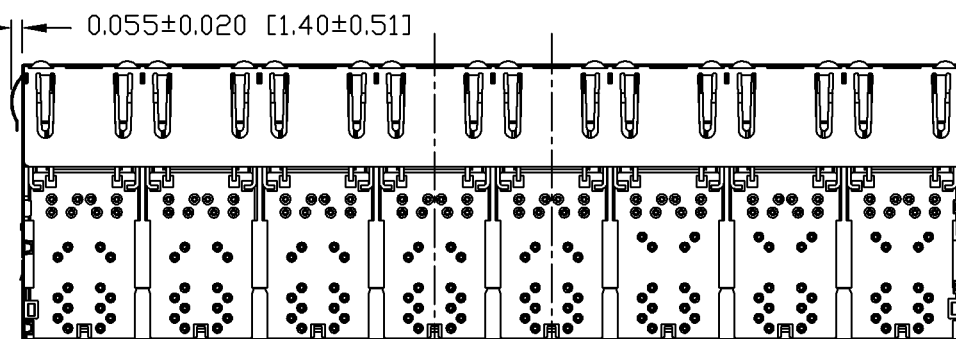
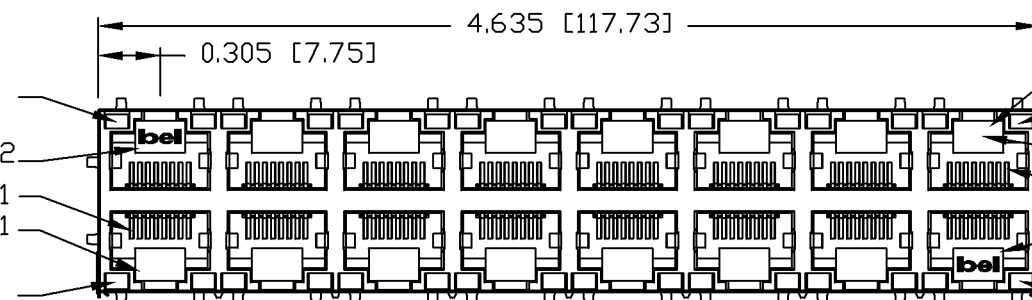
[1] JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 SUBPART F.

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

c UL RECOGNIZED - FILE #E196366 AND E169987.
RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.



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



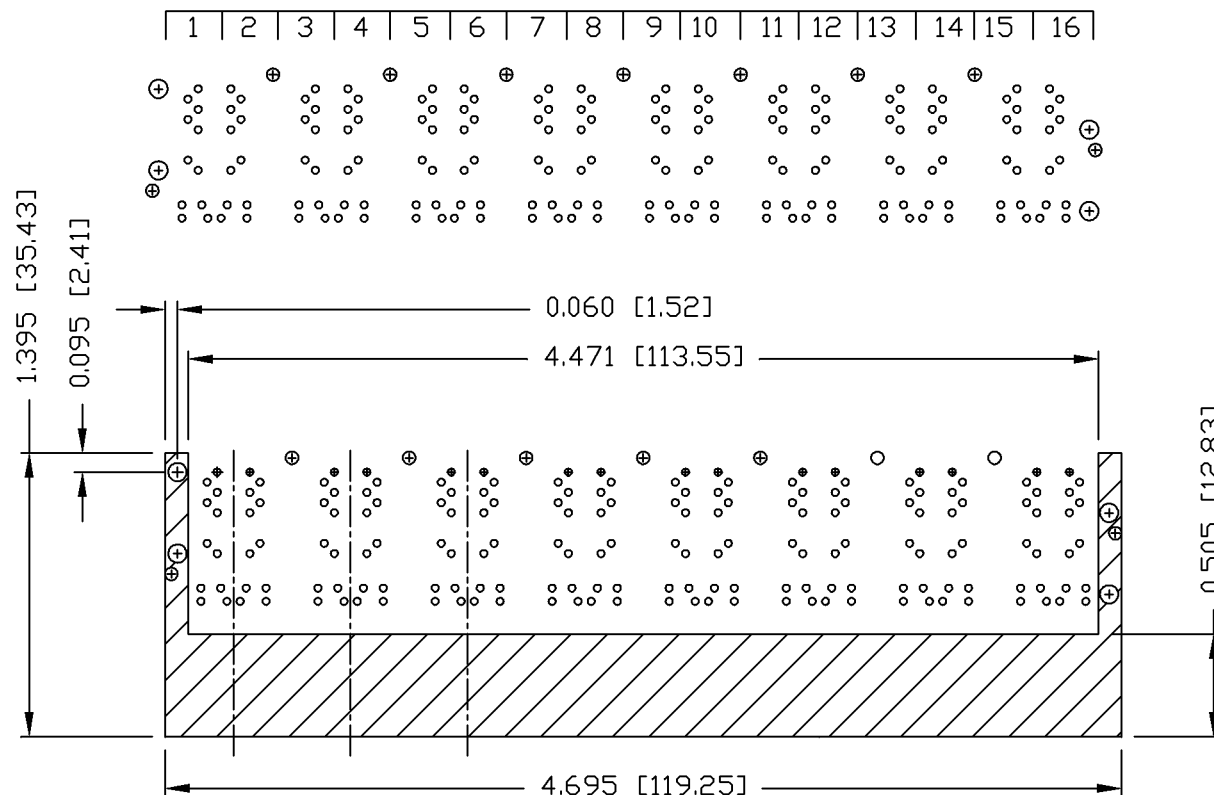
TYPICAL
0.575 [14.60]

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
HOWFAR WEI	01-12-09	2X8 MagJack® (COMPRESSOR SERIES)	C850-2G8R-M9	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A	REV. : PD SIZE : A4 PAGE : 3
DRAWN BY	DATE		FILE NAME	±0.010		
JOLLY LUO	01-12-09		C850-2G8R-M9_PD.DWG			

bel
COMPONENTS FOR A
CONNECTED
PLANET



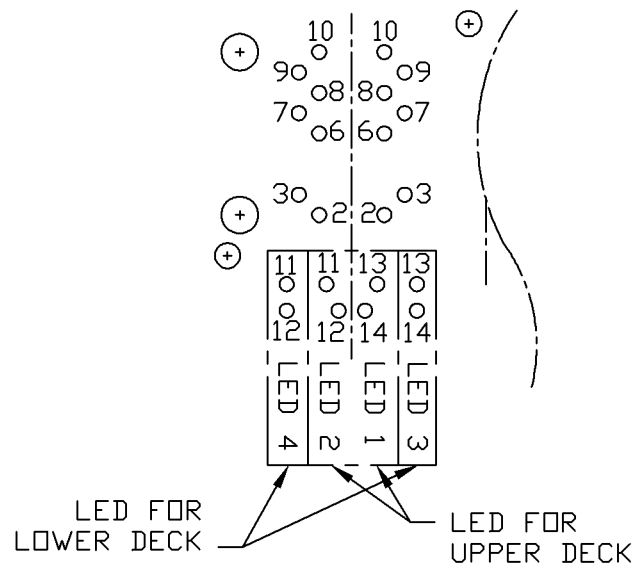
PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



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

PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

14	GREEN (-)
13	GREEN (+)
12	GREEN (-)
11	GREEN (+)
10	CT
9	RD+
8	RD-
7	TD+
6	TD-
5	NO PIN
4	NO PIN
3	NC
2	NC
1	NO PIN

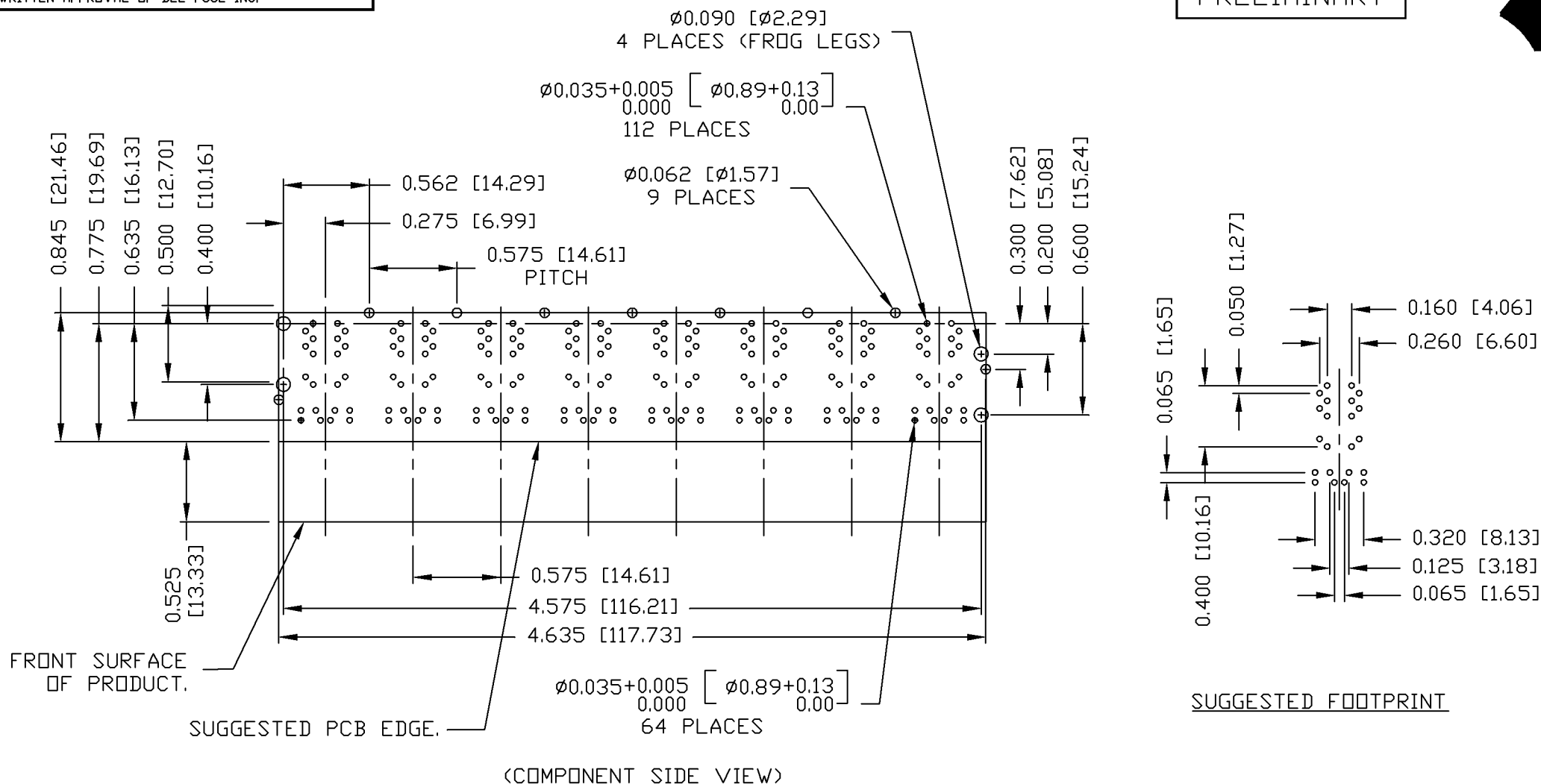


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DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A
JOLLY LUO	01-12-09		C850-2G8R-M9_PD.DWG	.XXX	±0.004
					REV. : PD
					SIZE : A4
					PAGE : 4

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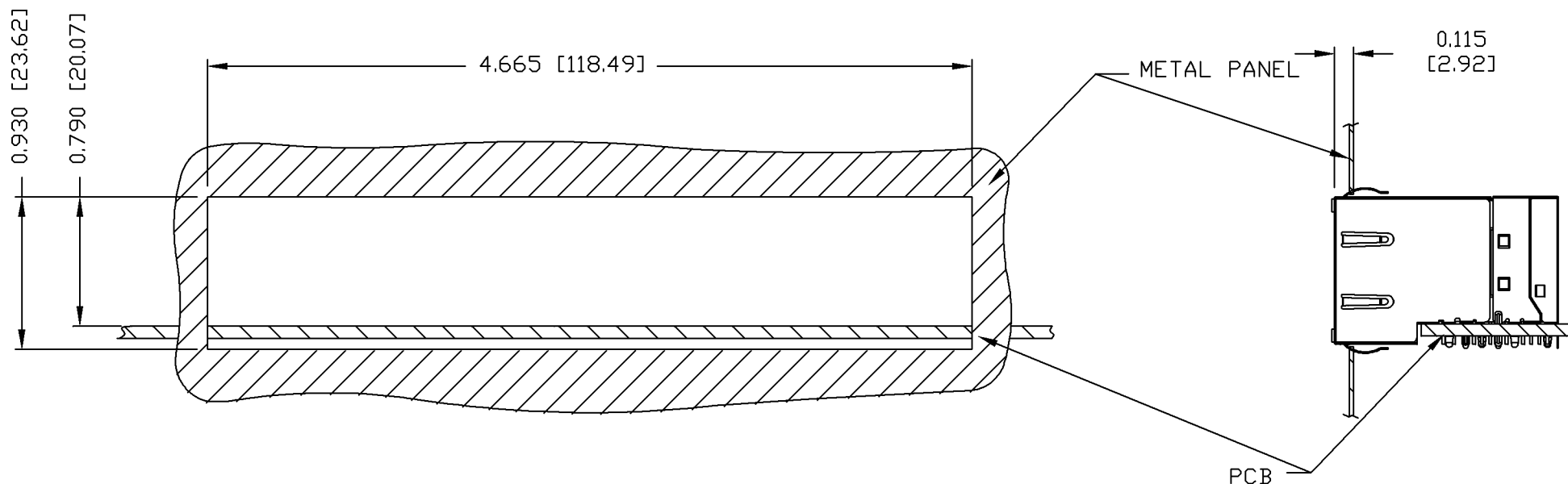


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DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A SIZE : A4
JOLLY LUD	01-12-09		C850-2G8R-M9_PD.DWG	.XX	⊕ --- PAGE : 5
				.XXX ±0.004	





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)

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DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
JOLLY LUO	01-12-09		C850-2G8R-M9_PD.DWG	.XX			PAGE : 6	
				.XXX	±0.004			