



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%

OCL @ 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

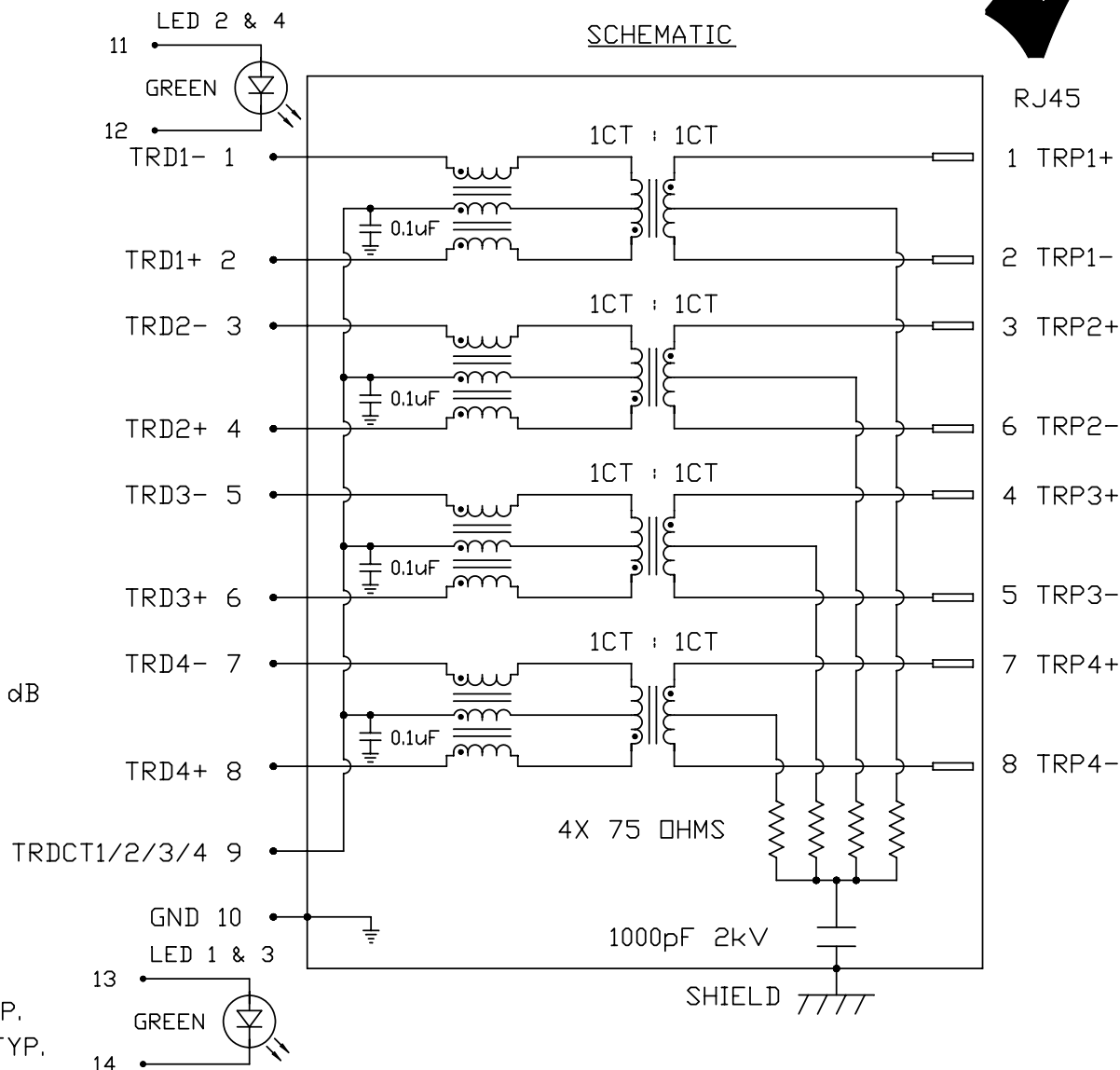
100kHz - 100MHz	-35 dB MIN
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HIPOT (Isolation Voltage): 1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY
WITH IEEE 802.3 REQUIREMENTS

LED 1,LED 2,LED 3 & LED 4

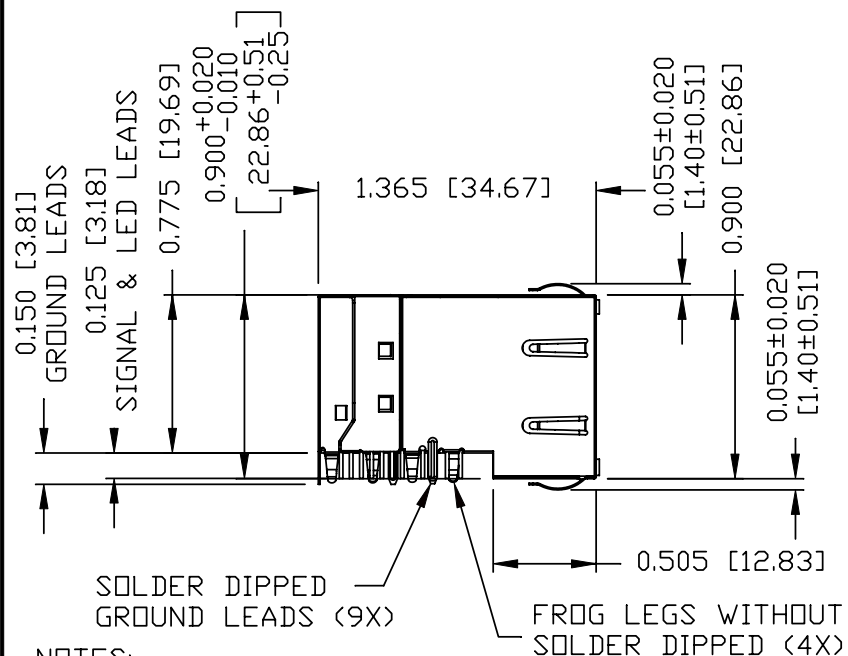
VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA GREEN 565nm TYP.



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
WANCHUNG CHOW	01-12-09	2X8 gigabit MagJack® COMPRESSOR SERIES (8 Cores)	C850-2G8R-54	TOL. IN INCH	UNIT : INCH [mm]	REV. : C
DRAWN BY	DATE			.X	SCALE : N/A	SIZE : A4
WEIDE LEE	01-12-09			.XX .XXX	PAGE : 2	

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RoHS
2002/95/EC



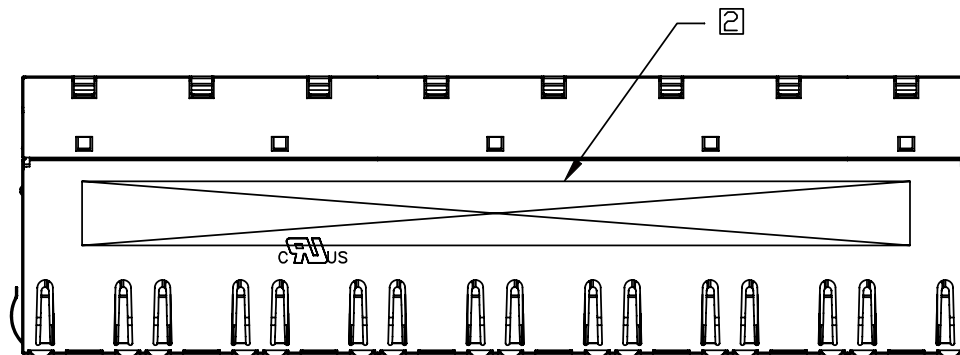
NOTES:

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.

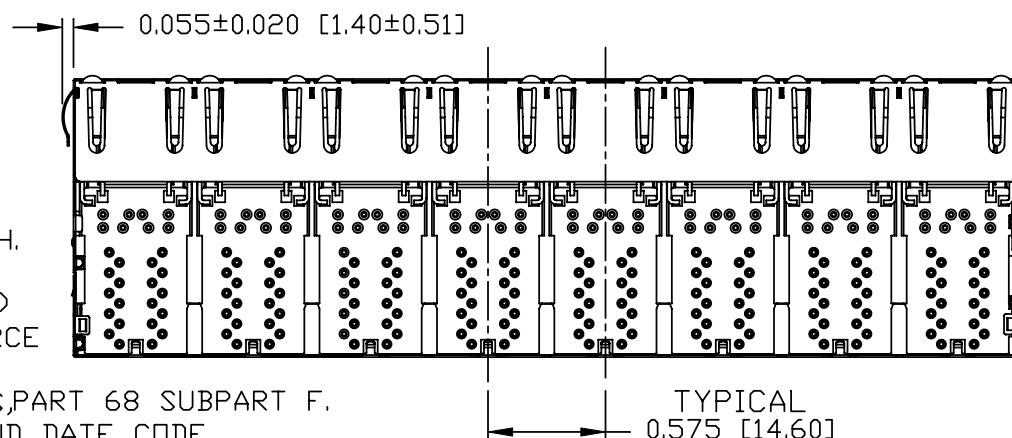
2. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.

c us 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

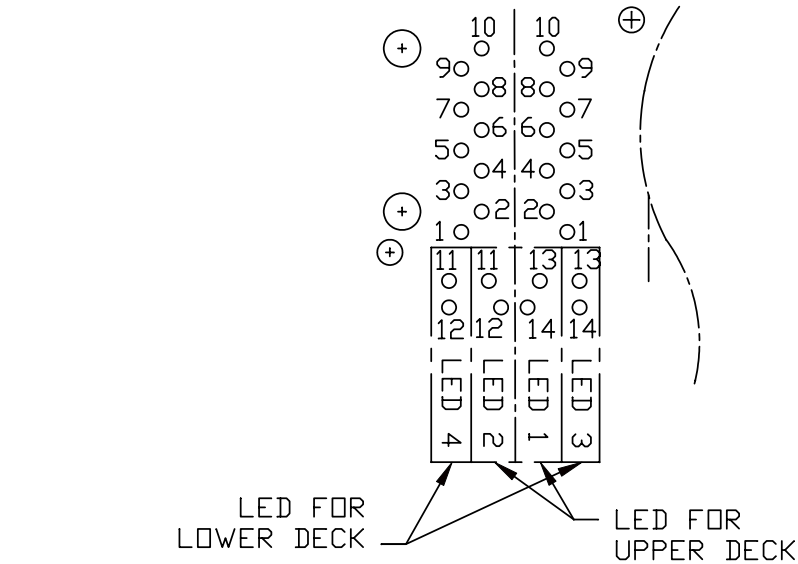
1
LED 1
GREEN
PORT 16
RJ45 1
PORT 15
LED 3
GREEN



ORIGINATED BY	DATE	TITLE 2X8 gigabit MagJack® COMPRESSOR SERIES (8 Cores)	PART NO. / DRAWING NO. C850-2G8R-54	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS OR A CONNECTED PLANET
DRAWN BY	DATE		FILE NAME C850-2G8R-54_C.DWG	.X		UNIT : INCH [mm]	REV. : C	
JOLLY LUO	01-12-09			.XX		SCALE : N/A	SIZE : A4	
				.XXX		±0.010		



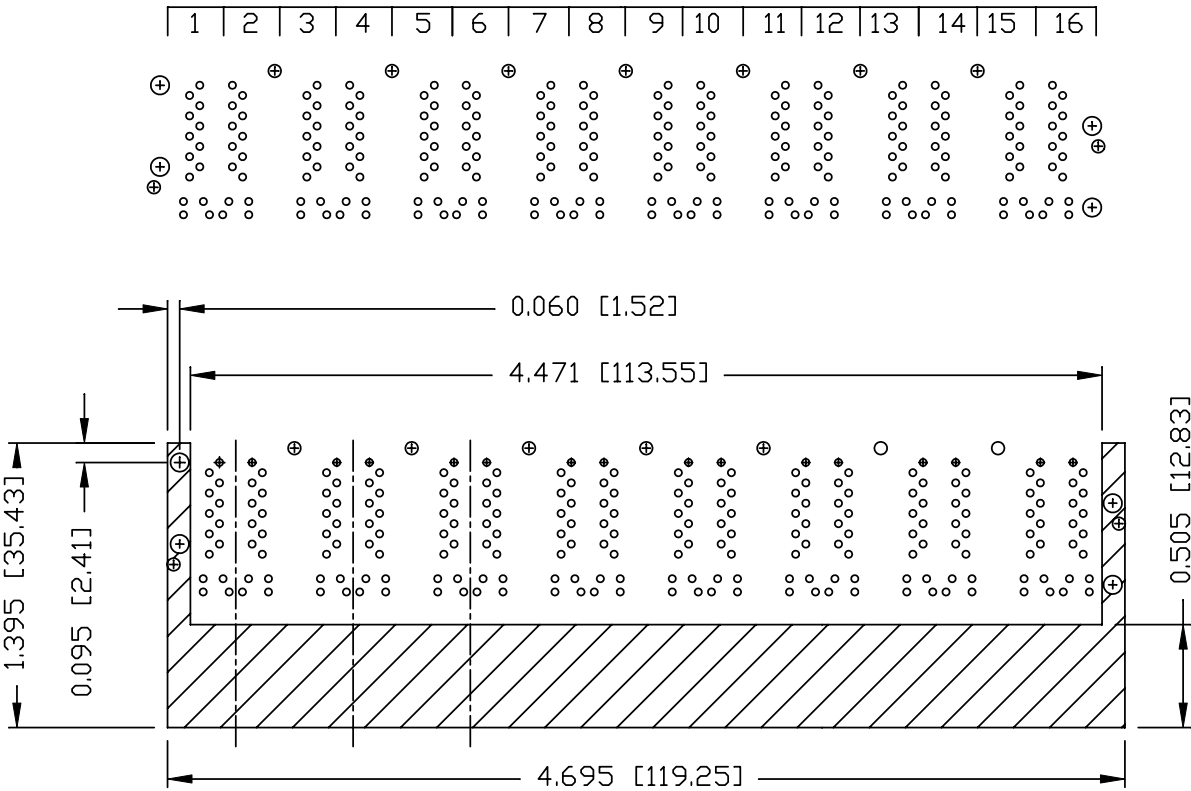
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PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

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-

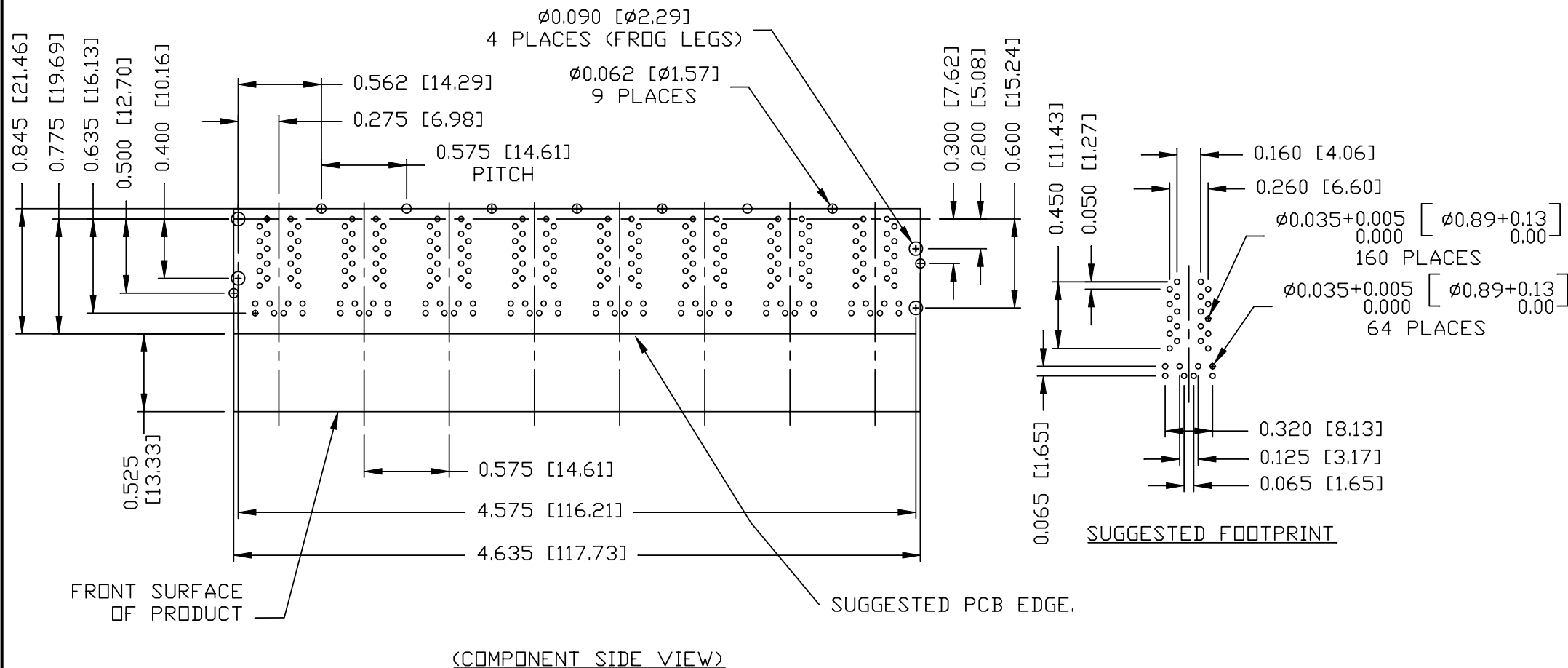
PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



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

ORIGINATED BY HOWFAR WEI	DATE 01-12-09	TITLE 2X8 gigabit MagJack® COMPRESSOR SERIES (8 Cores)	PART NO. / DRAWING NO. C850-2G8R-54	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
				.X		UNIT : INCH [mm]	REV. : C
DRAWN BY JOLLY LUD	DATE 01-12-09		FILE NAME C850-2G8R-54_C.DWG	.XX		SCALE : N/A	SIZE : A4
				.XXX	±0.004		PAGE : 4



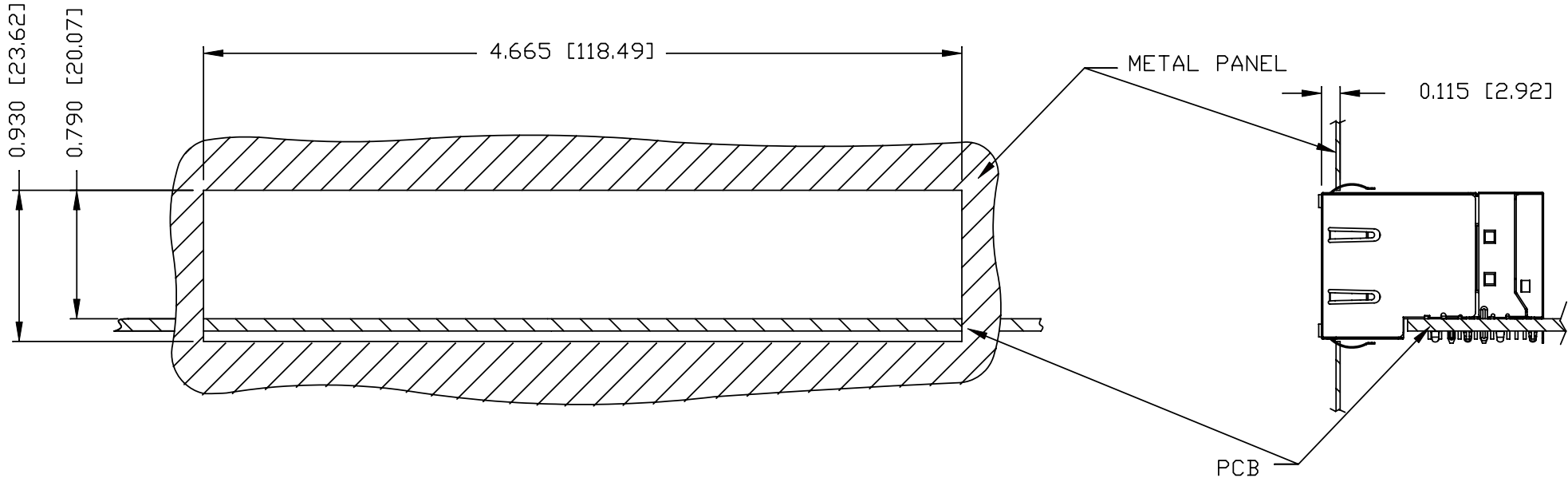


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HOWFAR WEI	01-12-09	2X8 gigabit MagJack® COMPRESSOR SERIES (8 Cores)	C850-2G8R-54	.X	UNIT : INCH [mm] REV. : C
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
JOLLY LUD	01-12-09		C850-2G8R-54_C.DWG	.XXX ±0.004	PAGE : 5

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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-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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				TOL. IN INCH		UNIT : INCH [mm]	REV. : C
HOWFAR WEI	01-12-09	2X8 gigabit MagJack® COMPRESSOR SERIES (8 Cores)	C850-2G8R-54 FILE NAME C850-2G8R-54_C.DWG	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX			PAGE : 6
JOLLY LUD	01-12-09			.XXX	±0.004		

