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RoHS
2002/95/EC



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

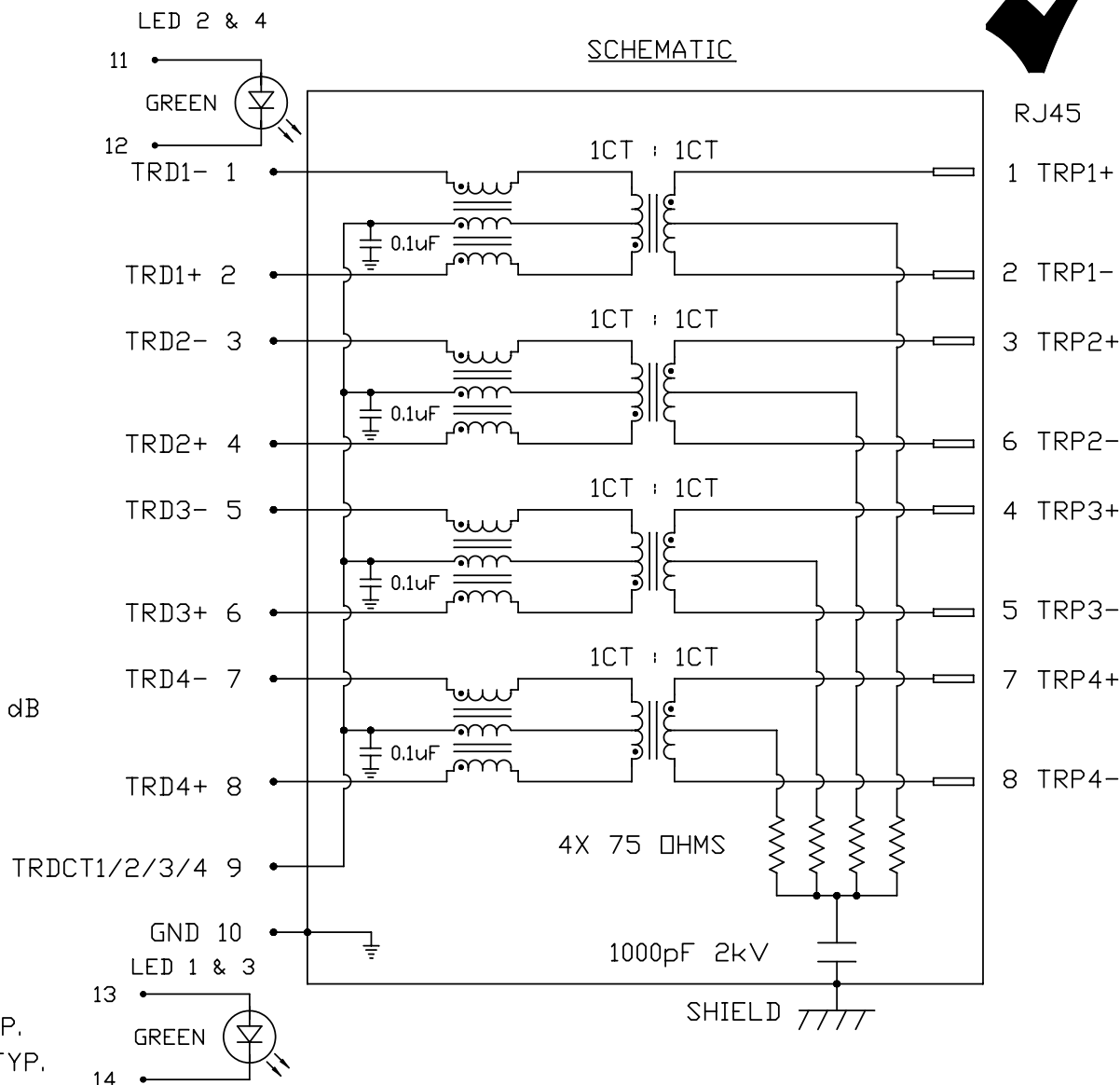
100kHz - 100MHz	-35 dB MIN
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HIPOT (Isolation Voltage): 1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY
WITH IEEE 802.3 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.

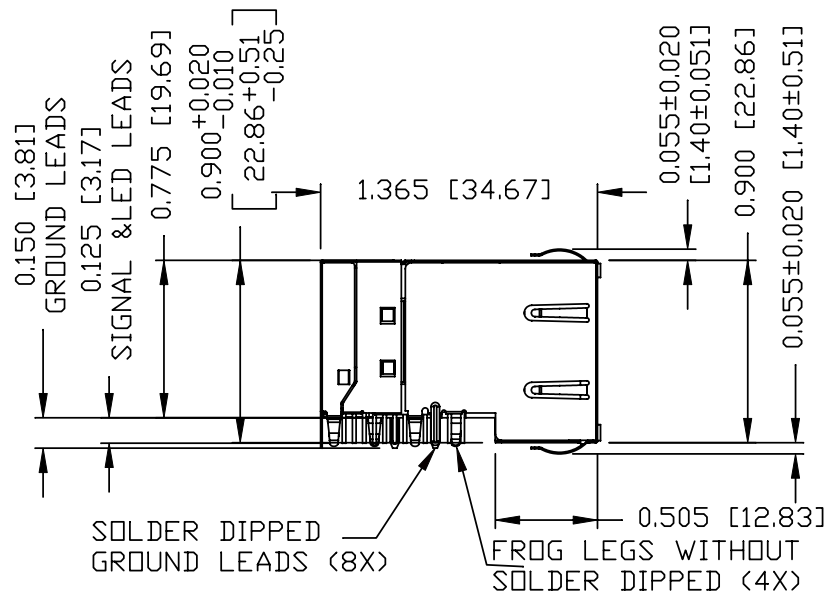


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
WANCHUNG CHOW	01-12-09	2X7 gigabit MagJack® COMPRESSOR SERIES (8 Cores)	C850-2G7R-54	TOL. IN INCH	UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
WEIDE LEE	01-12-09		C850-2G7R-54_B.DWG	.XX .XXX		PAGE : 2

bel
COMPONENTS FOR A
CONNECTED
PLANET

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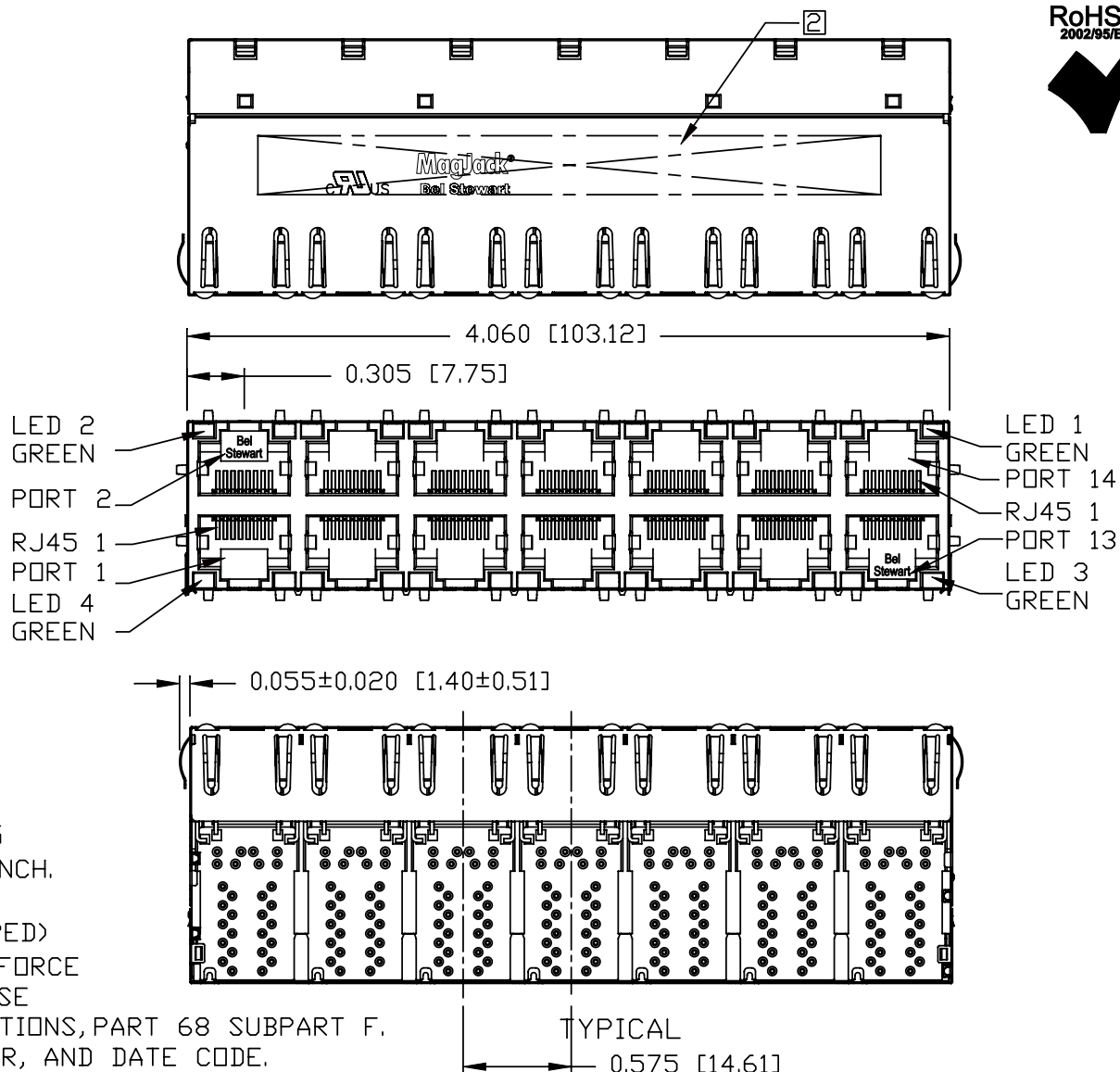


NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACT PLATING: 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.

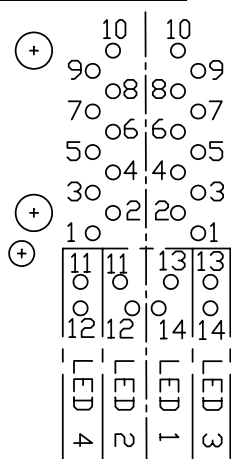


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				TOL. IN INCH		UNIT : INCH [mm]	REV. : B
HOWFAR WEI	01-12-09	2X7 gigabit MagJack® COMPRESSOR SERIES (8 Cores)	C850-2G7R-54	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX			PAGE : 3
JOLLY LUD	01-12-09			.XXX	±0.010		

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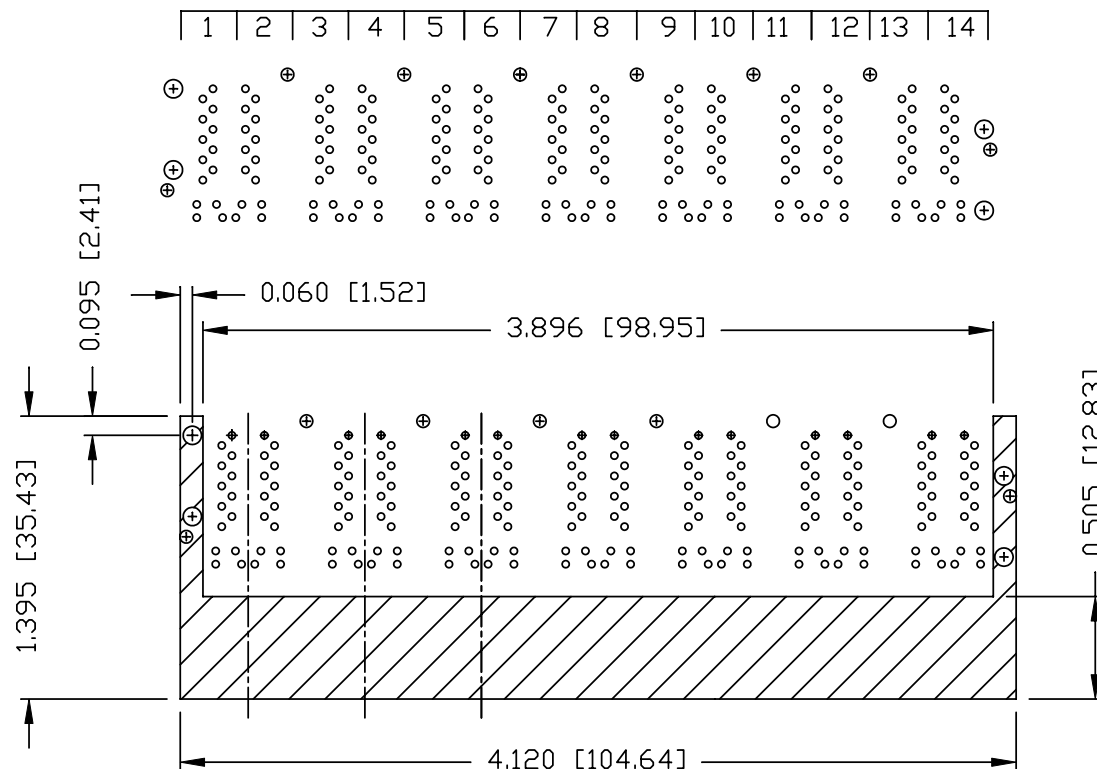
LED FOR
LOWER DECK

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-

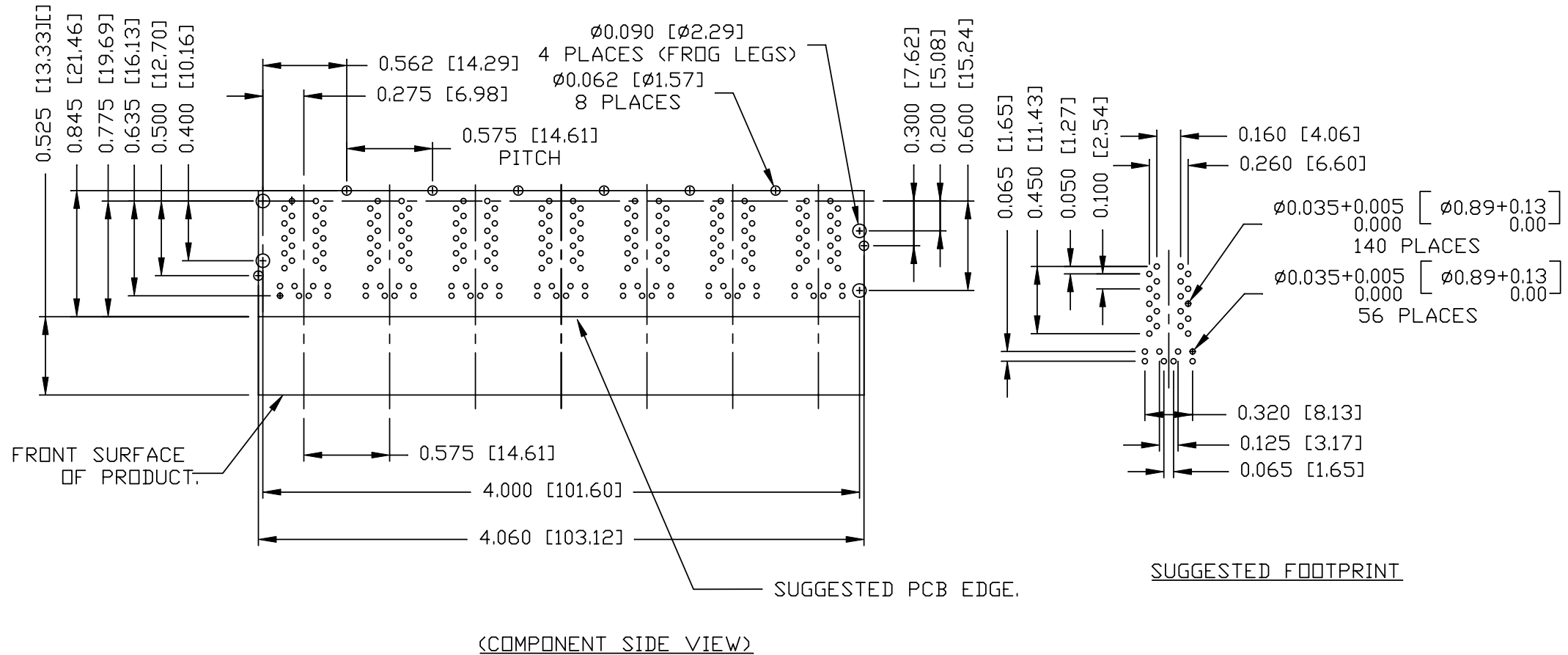
PORT ASSIGNMENT (COMPONENT SIDE VIEW)



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

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DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A
JOLLY LUO	01-12-09		C850-2G7R-54_B.DWG	.XXX	±0.004
					REV. : B
					SIZE : A4
					PAGE : 4

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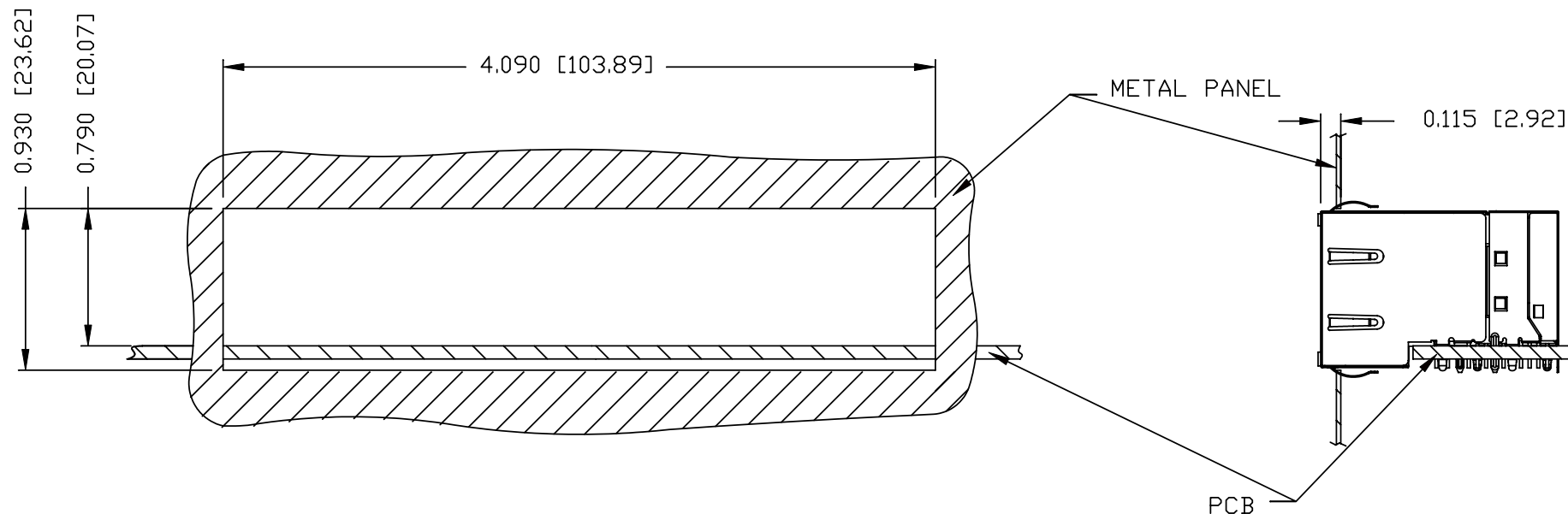


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JOLLY LUD	01-12-09		C850-2G7R-54_B.DWG	.XX .XXX	±0.004	PAGE : 5





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 : 0200M9999-E4 (TOP)

0200M9999-E5 (BOTTOM)

PACKING QUANTITY : 10 PCS FINISHED GOODS PER TRAY.

6 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)

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HOWFAR WEI	01-12-09		FILE NAME C850-2G7R-54_B.DWG	.X		UNIT : INCH [mm]	REV. : B		
DRAWN BY	DATE			.XX		SCALE : N/A	SIZE : A4		
				.XXX	±0.004		PAGE : 6		
JOLLY LUO	01-12-09								