



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

350mH 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)

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

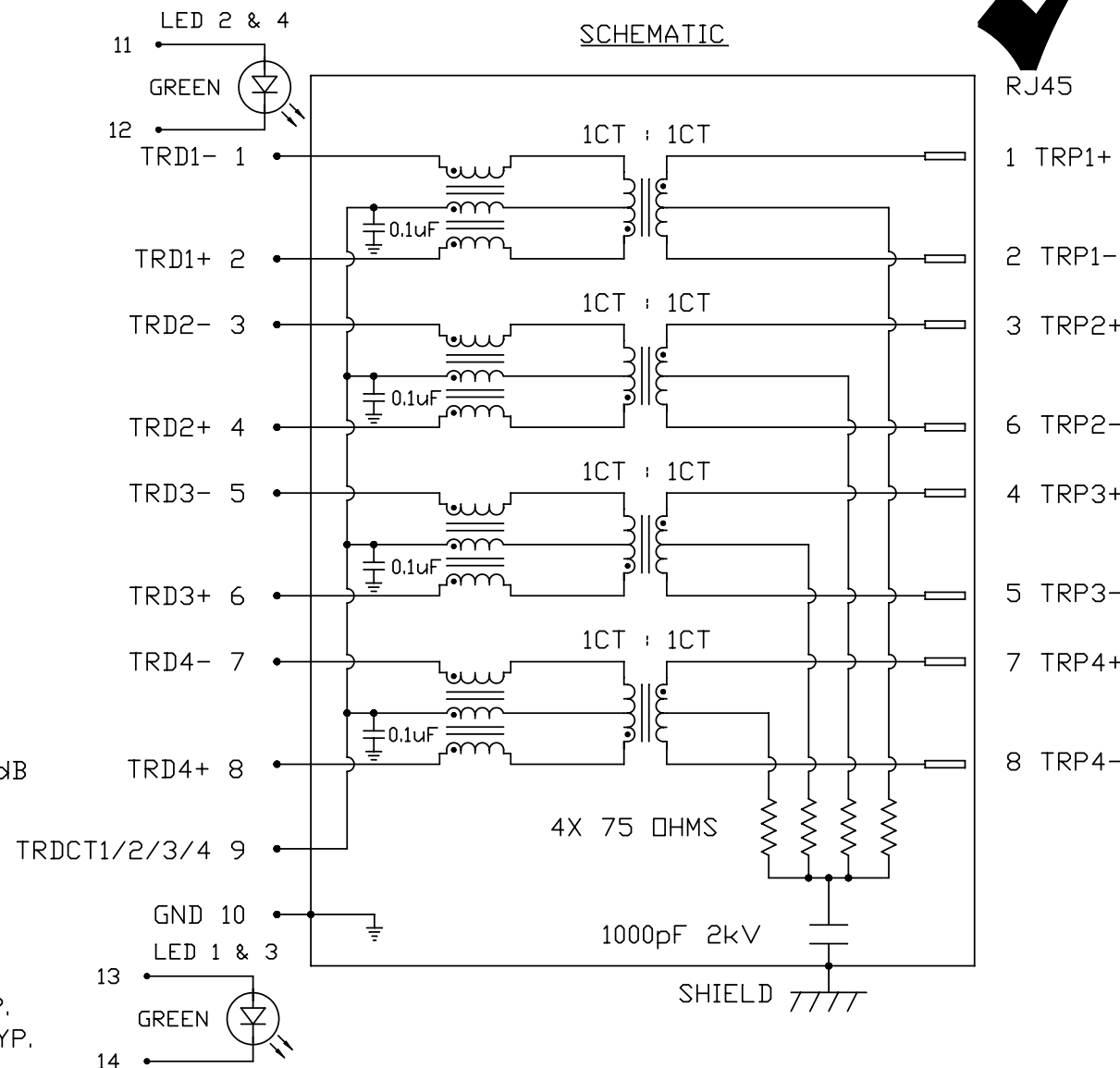
100kHz - 100MHz	-35 dB MIN
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HIPOT (Isolation Voltage):

1500 Vrms

LED 1,LED 2,LED 3 & LED 4

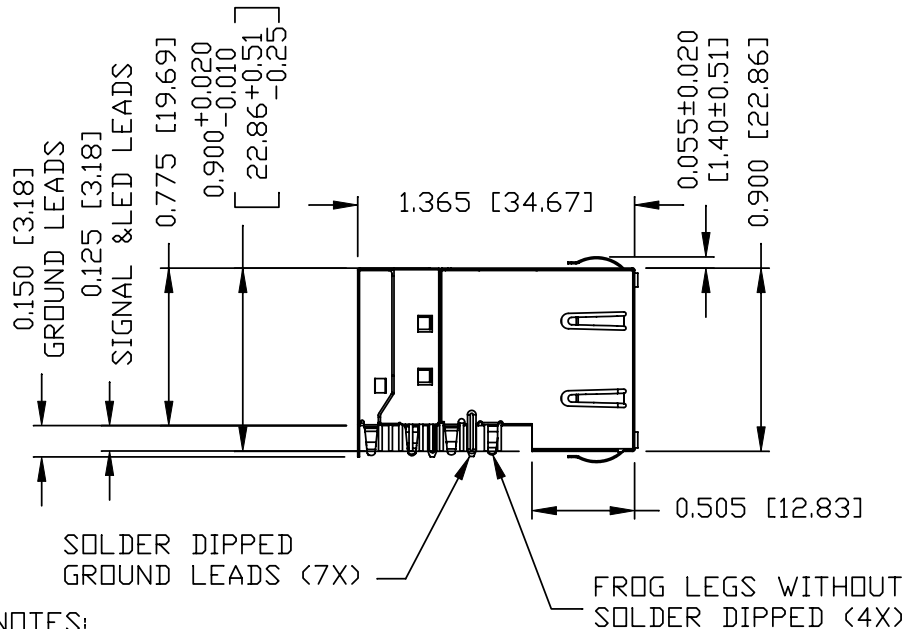
VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP.
LD (DOMINANT WAVELENGTH)	IF=20mA GREEN 565nm TYP.



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	 COMPONENTS FOR A CONNECTED PLANET
CHOW WANCHUNG	01-12-09	2X6 gigabit MagJack® COMPRESSOR SERIES (8 Cores)	C850-2G6R-54 C850-2G6R-54_B.DWG	TOL. IN INCH	UNIT : INCH [mm]	
DRAWN BY	DATE			.X	REV. : B	
LEE WEIDE	01-12-09			.XX	SCALE : N/A	
				.XXX	SIZE : A4	
					PAGE : 2	

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RoHS
2002/95/EC



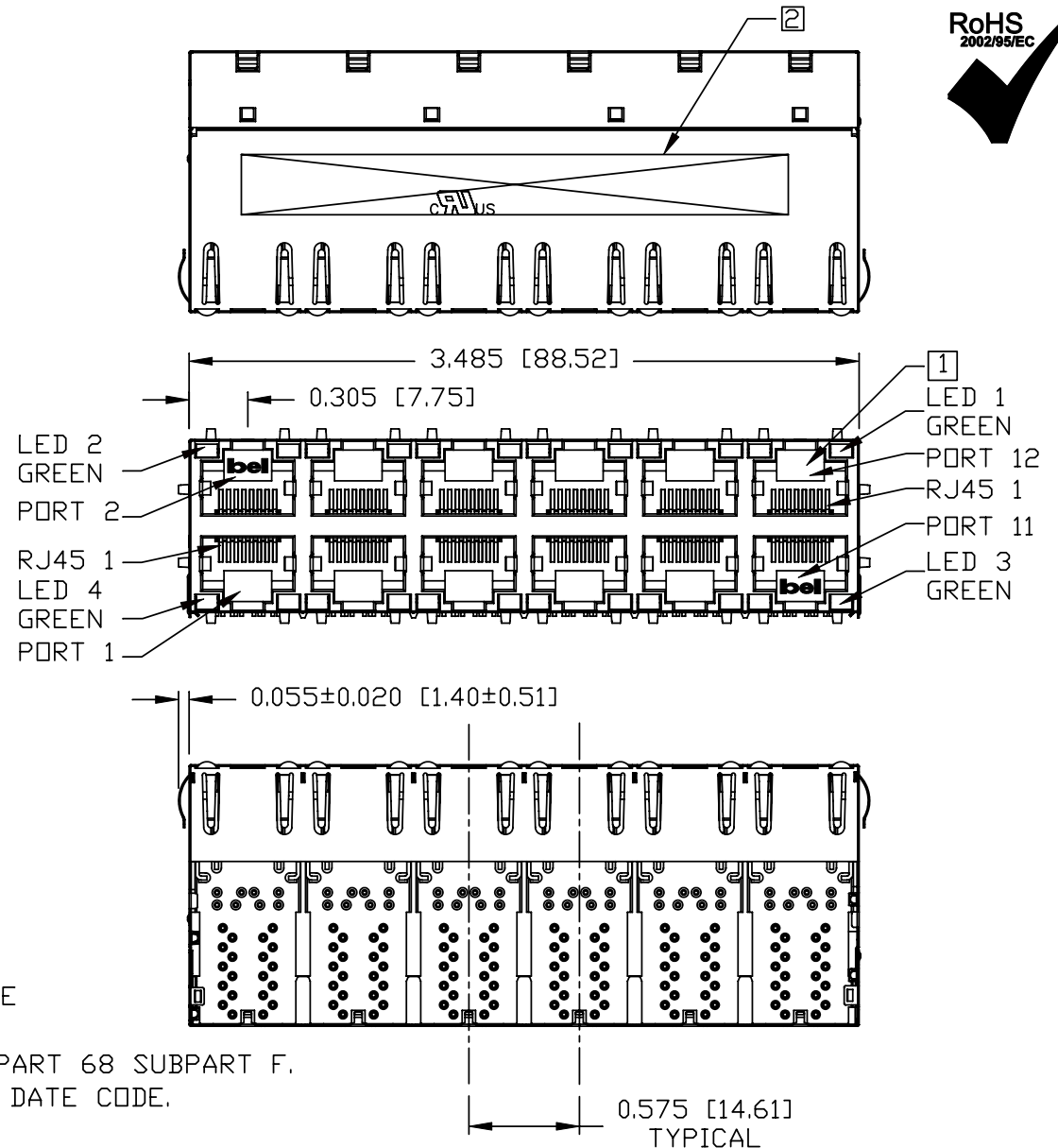
NOTES:

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

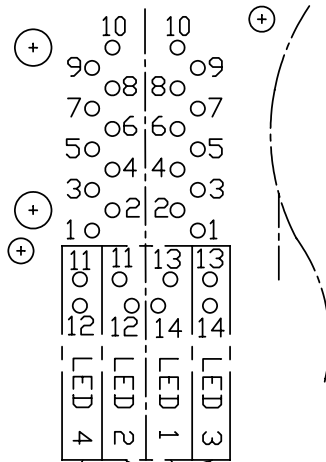
1. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.

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

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



ORIGINATED BY	DATE	TITLE 2X6 gigabit MagJack® COMPRESSOR SERIES (8 Cores)	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		
HOWFAR WEI	01-12-09		C850-2G6R-54	TOL. IN INCH		UNIT : INCH [mm]	REV. : B	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
JOLLY LUD	01-12-09		C850-2G6R-54_B.DWG	.XX			PAGE : 3	
				.XXX	±0.010			



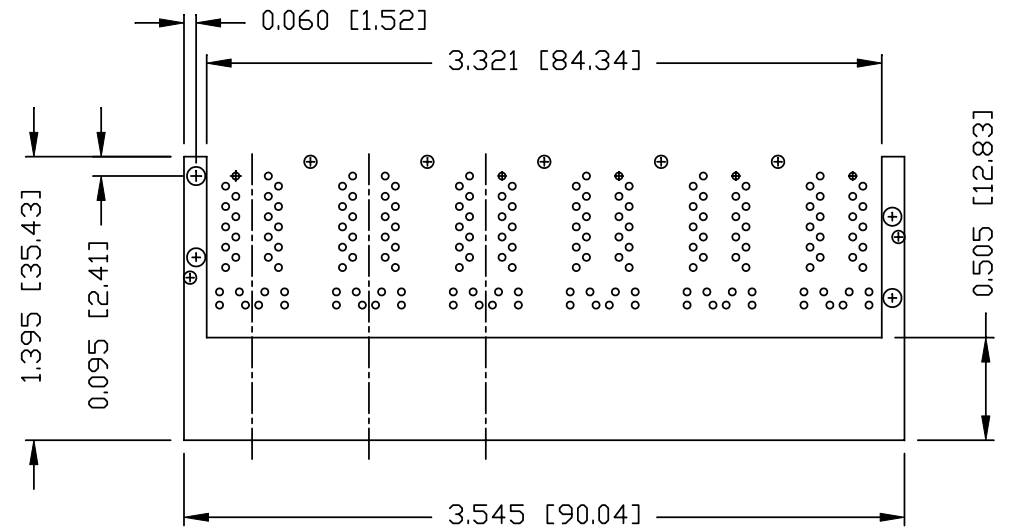
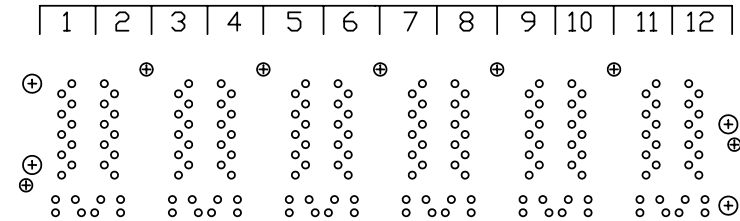
LED FOR LOWER DECK

LED FOR UPPER DECK

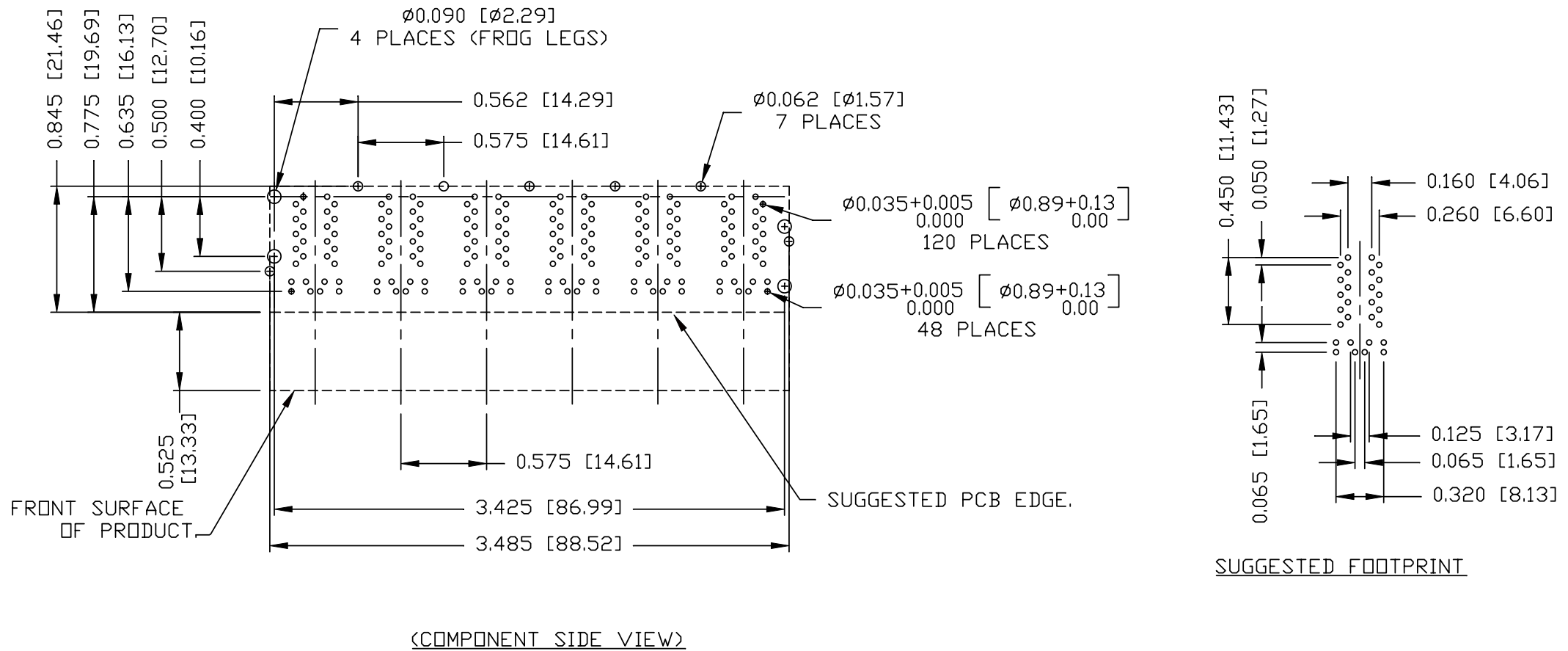
PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

10	GND		
9	TRDCT1/2/3/4		
8	TRD 4+		
7	TRD 4-		
6	TRD 3+		
5	TRD 3-		
4	TRD 2+	14	GREEN (-)
3	TRD 2-	13	GREEN (+)
2	TRD 1+	12	GREEN (-)
1	TRD 1-	11	GREEN (+)

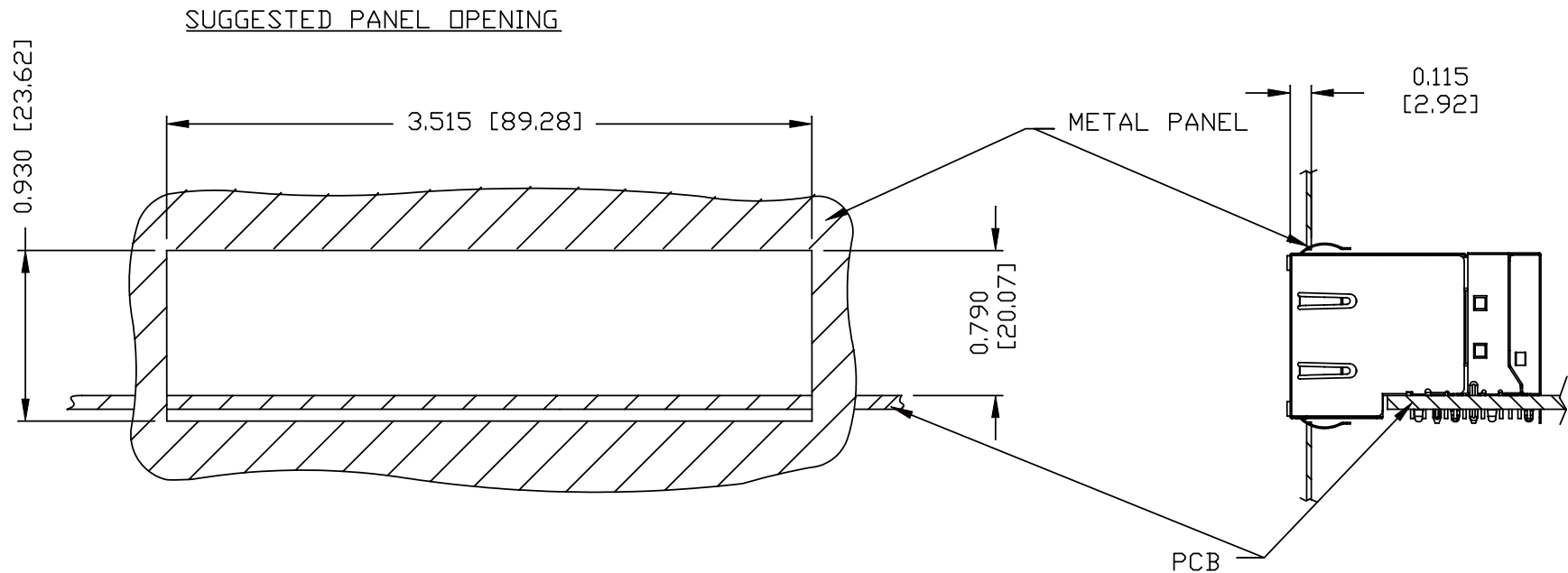
PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



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DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
JOLLY LUD	01-12-09		C850-2G6R-54_B.DWG	.XX			PAGE : 4	
				.XXX	±0.004			



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DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
JOLLY LUO	01-12-09		C850-2G6R-54_B.DWG	.XX			PAGE : 5	
				.XXX	±0.004			



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-H1 (TOP)

0200-9999-H2 (BOTTOM)

PACKING QUANTITY : 18 PCS FINISHED GOODS PER TRAY.

6 TRAYS (108 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. : B	
HOWFAR WEI	01-12-09	2X6 gigabit MagJack® COMPRESSOR SERIES (8 Cores)	C850-2G6R-54	.X		SCALE : N/A	SIZE : A4	
DRAWN BY	DATE			.XX			PAGE : 6	
JOLLY LUD	01-12-09			.XXX	±0.004			