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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
+	-	YELLOW	+	-	YELLOW
-	+	GREEN	-	+	GREEN

**ELECTRICAL CHARACTERISTICS @ 25°C**

**URNS RATIO**

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

**QCL @ 100kHz/100mVRMS**

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)**

0.5MHz-40MHz	-18 dB
40MHz-100MHz	-12+20LOG<f/80MHz> dB

**CROSS TALK**

100kHz - 100MHz -35 dB MIN

**CM TO CM REJ**

100kHz - 100MHz -30 dB MIN

**CM TO DM REJ**

100kHz - 100MHz -35 dB MIN

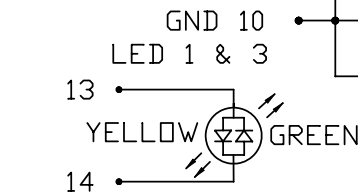
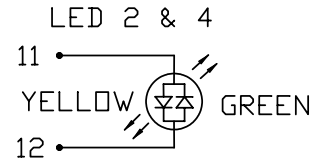
**HIPOT (Isolation Voltage):**

1500 Vrms

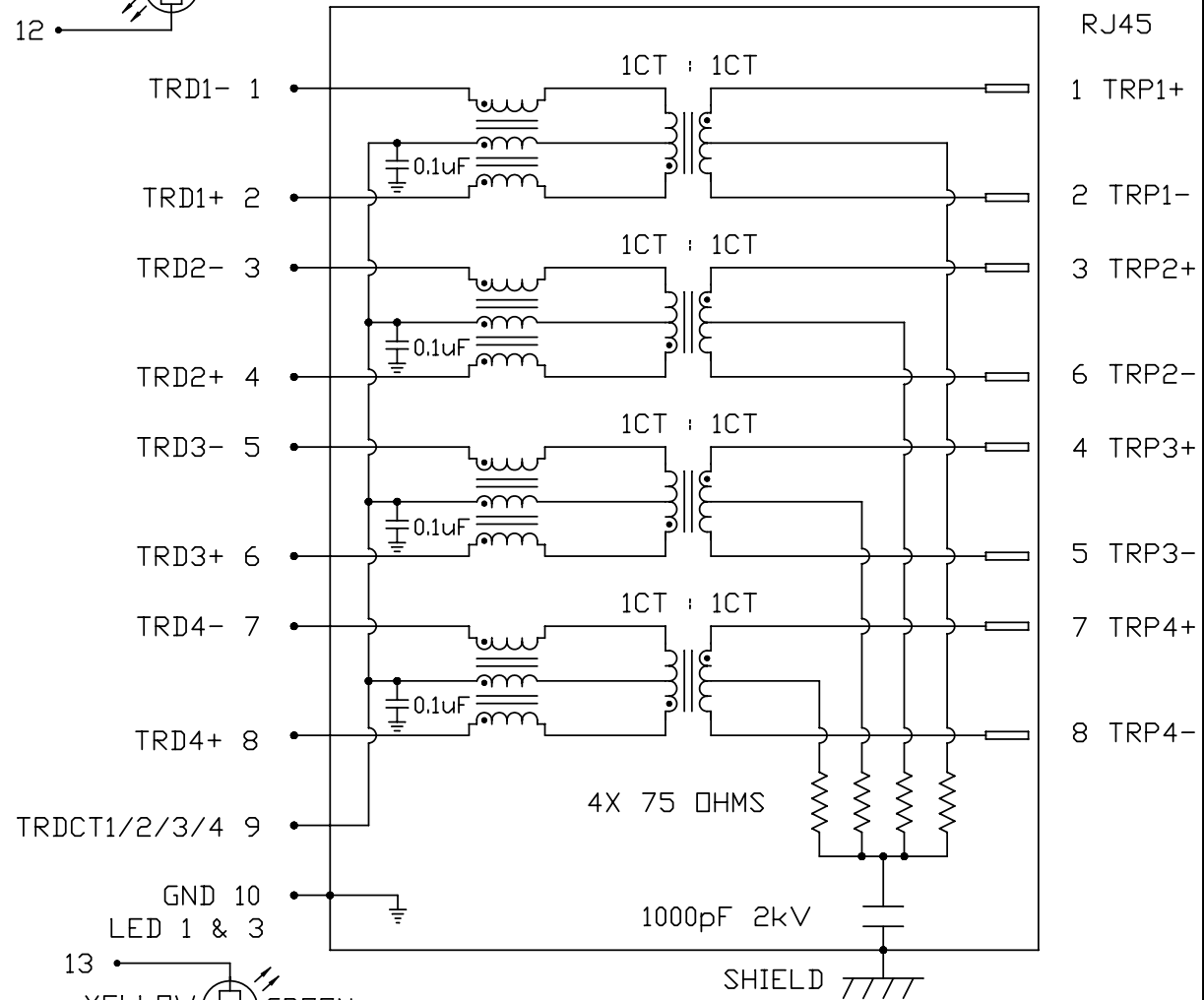
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

**LED 1,LED 2,LED 3 & LED 4**

V <sub>F</sub> (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
		YELLOW	2.1V TYP.
λ <sub>D</sub> (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.
		YELLOW	590nm TYP.



**SCHEMATIC**



ORIGINATED BY	DATE	TITLE
WANCHUNG CHOW	01-12-09	2X6 gigabit MagJack® COMPRESSOR SERIES (8 Cores)
DRAWN BY	DATE	
WEIDE LEE	01-12-09	

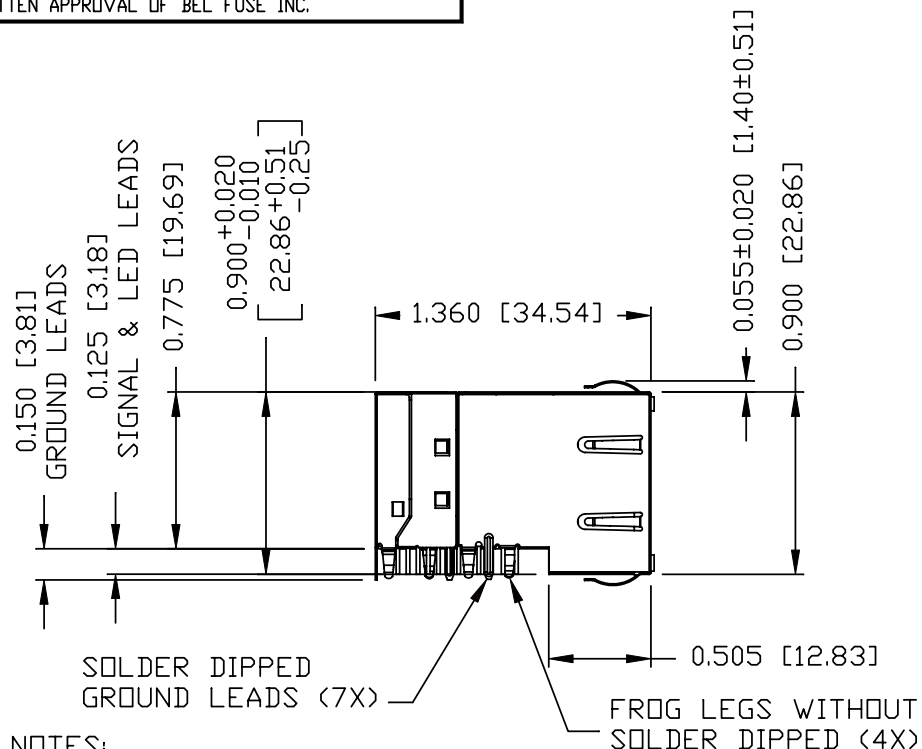
PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE
C850-2C6R-54	.X	UNIT : INCH [mm]
FILE NAME	.XX	SCALE : N/A
C850-2C6R-54_B.DWG	.XXX	REV. : B
		SIZE : A4
		PAGE : 2

UNIT : INCH [mm]	REV. : B
SCALE : N/A	SIZE : A4
	PAGE : 2



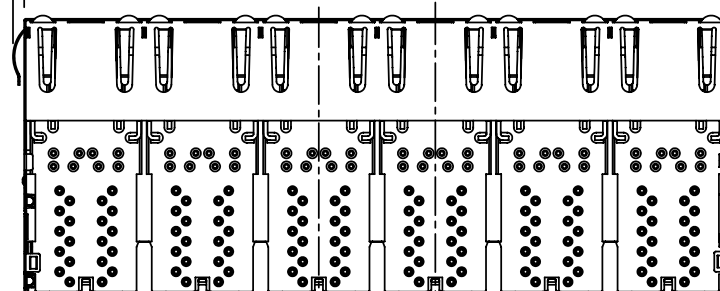
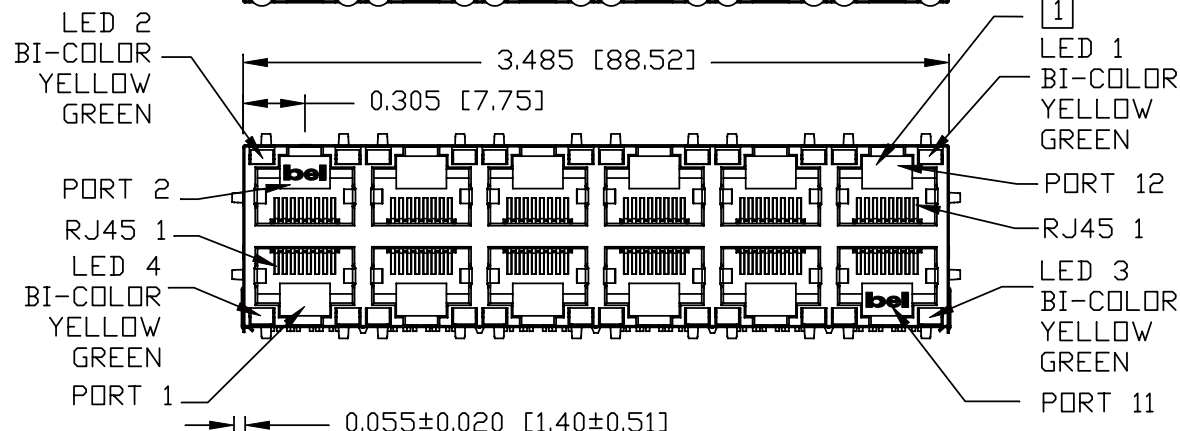

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NOTES:  
 PLASTIC HOUSING: THERMOPLASTIC PBT  
 FLAMMABILITY RACHRIS UL 94V-0  
 CONTACT PLACHRIS: 30 MICRO-INCH HARD GOLD PLACHRIS  
 OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.  
 METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.  
 (ALL GROUND 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.  
 3. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.  
 c us UL RECOGNIZED - FILE #E196366 AND E169987.

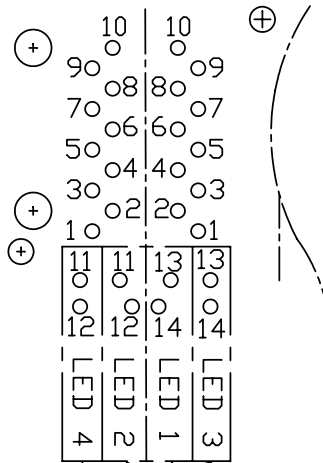


3. REVERSED POLARITY OF GENERAL 'C' LED.

ORIGINATED BY HOWFAR WEI	DATE 01-12-09	TITLE 2X6 gigabit MagJack® COMPRESSOR SERIES (8 Cores)	PART NO. / DRAWING NO. C850-2C6R-54	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE	 COMPONENTS FOR A CONNECTED PLANET
DRAWN BY JOLLY LUD	DATE 01-12-09		FILE NAME C850-2C6R-54_B.DWG	.X .XX .XXX ±0.010	UNIT : INCH [mm] SCALE : N/A	

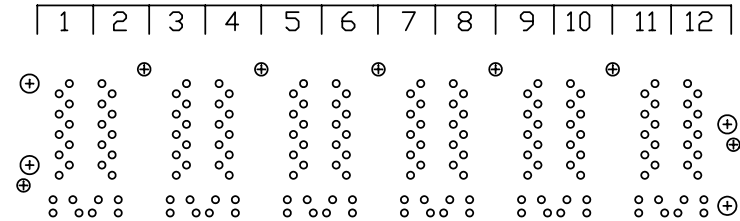
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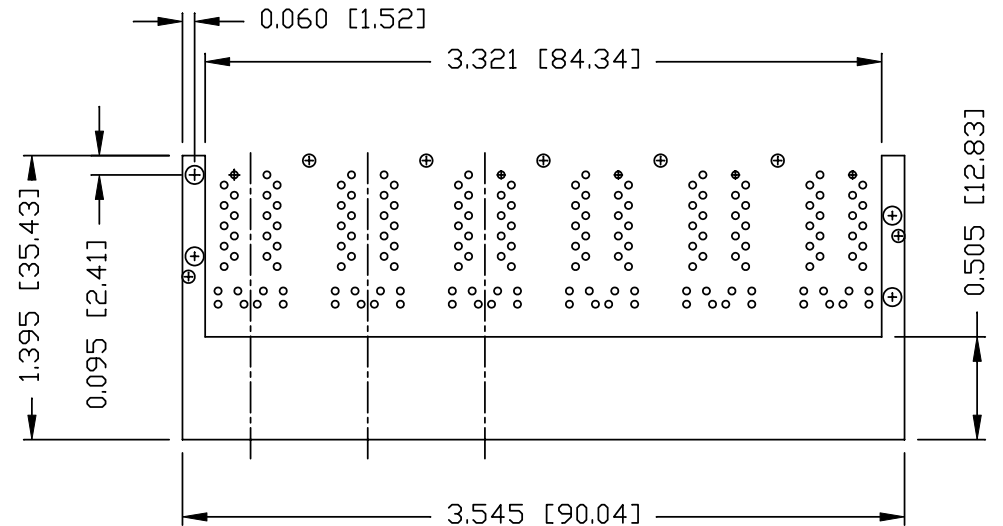
LED FOR LOWER DECK → LED FOR UPPER DECK

PORT ASSIGNMENT  
(COMPONENT SIDE VIEW)



PIN-OUT INFORMATION  
(COMPONENT SIDE VIEW)

14	YELLOW (-)/GREEN (+)
13	YELLOW (+)/GREEN (-)
12	YELLOW (-)/GREEN (+)
11	YELLOW (+)/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-

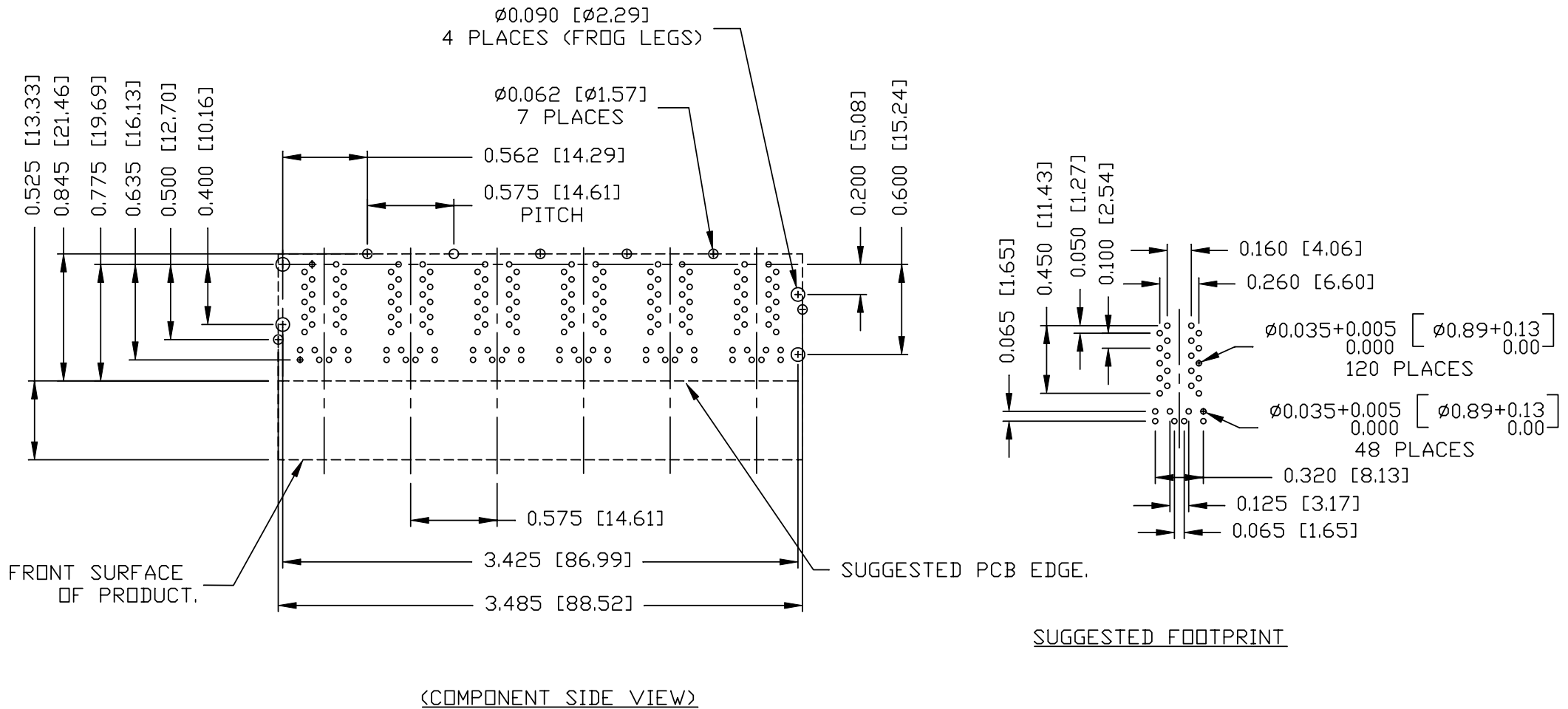


THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

ORIGINATED BY HOWFAR WEI	DATE 01-12-09	TITLE 2X6 gigabit MagJack® COMPRESSOR SERIES (8 Cores)	PART NO. / DRAWING NO. C850-2C6R-54		STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE		bel COMPONENTS OR A PLANET
	DRAWN BY JOLLY LUO		DATE 01-12-09	FILE NAME C850-2C6R-54_B.DWG	.X .XX .XXX	±0.004	UNIT : INCH [mm] SCALE : N/A	REV. : B SIZE : A4 PAGE : 4	

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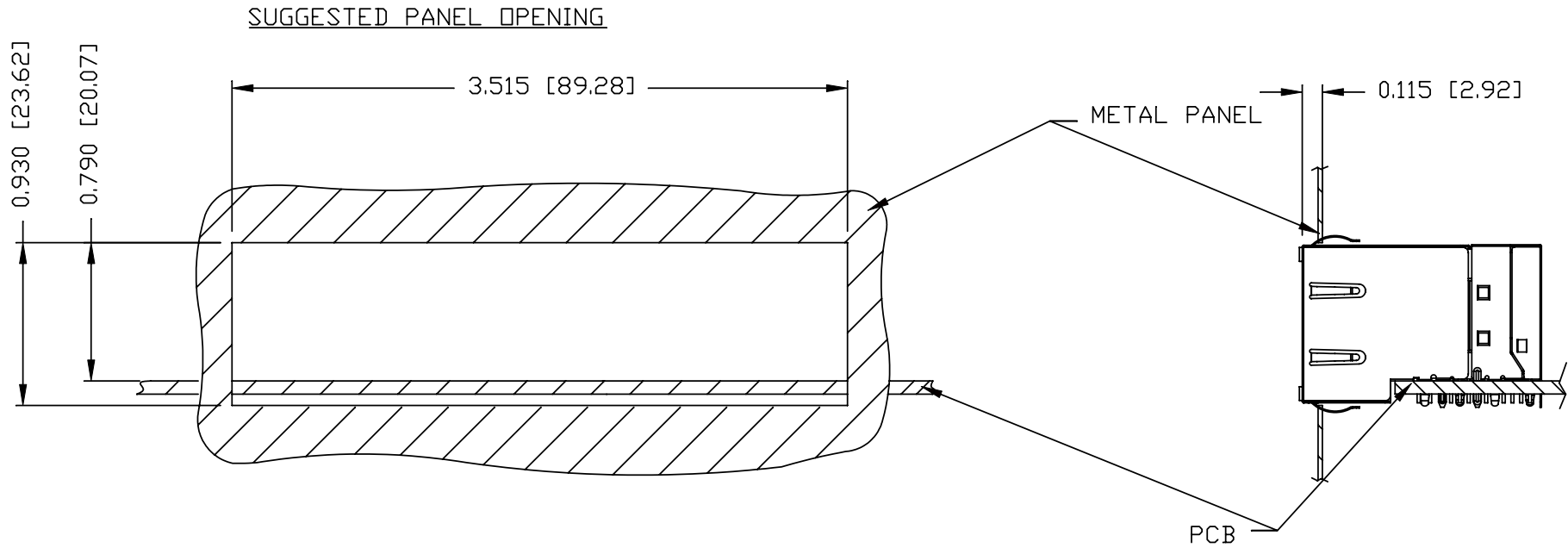
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	DRAWN BY JOLLY LUD			DATE 01-12-09	FILE NAME C850-2C6R-54_B.DWG	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A 	

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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]	SCALE : N/A		
DRAWN BY JOLLY LUO	DATE 01-12-09		FILE NAME C850-2C6R-54_B.DWG	.X		PAGE : 6		SIZE : A4	COMPONENTS FOR A CONNECTED PLANET
				.XX					
				.XXX	±0.004				