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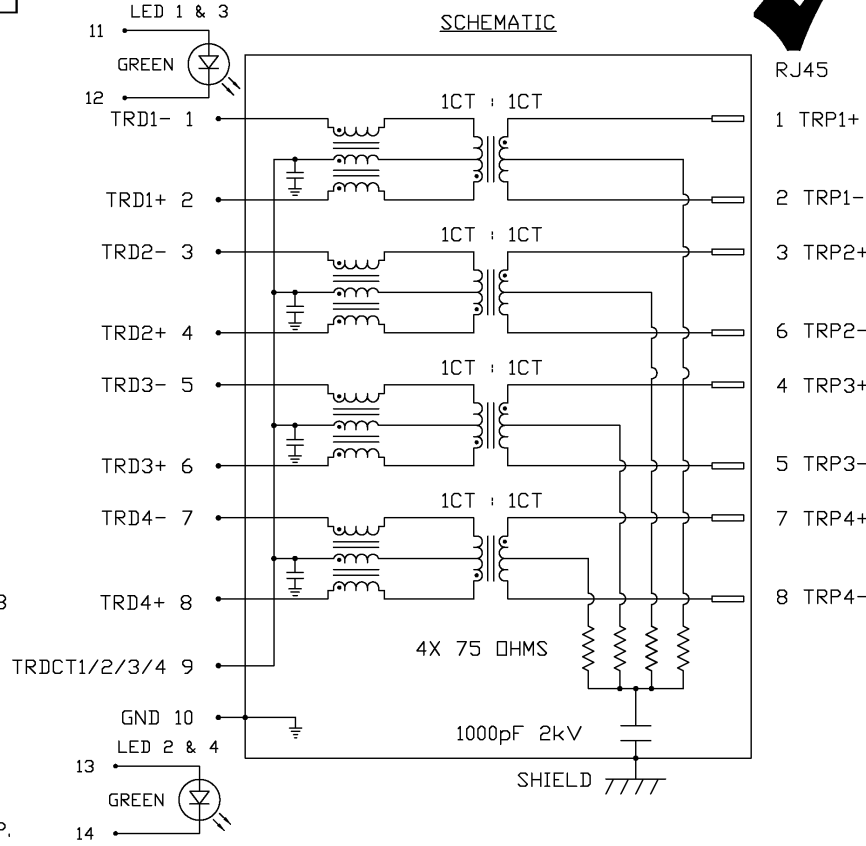
PRELIMINARY



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

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS 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.
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
CM TO DM REJ	
100kHz - 100MHz	-35 dB MIN
HIPOT (Isolation Voltage):	
LED 1,LED 2,LED 3 & LED 4	1500 Vrms
VF (FORWARD VOLTAGE)	
IF=20mA GREEN	2.2V TYP.
λD (DOMINANT WAVELENGTH)	
IF=20mA GREEN	565nm TYP.



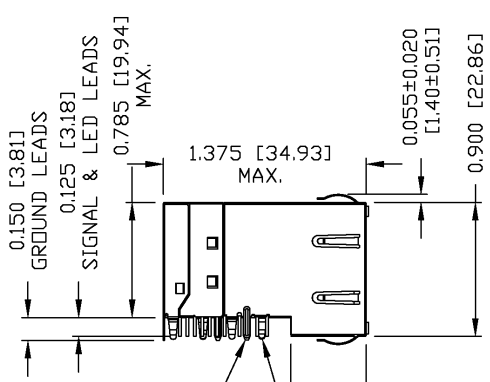
ORIGINATED BY CHUNG	DATE 11-21-05	TITLE 2X8 gigabit MagJack® COMPRESSOR SERIES (8 Cores)	PART NO. / DRAWING NO. C850-2G8R-54	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH	UNIT : INCH [mm]	REV. : PB
DRAWN BY DE	DATE 11-21-05		FILE NAME C8502G8R54PB.DWG	.X	SCALE : N/A	SIZE : A4
				.XX		PAGE : 2
				.XXX		



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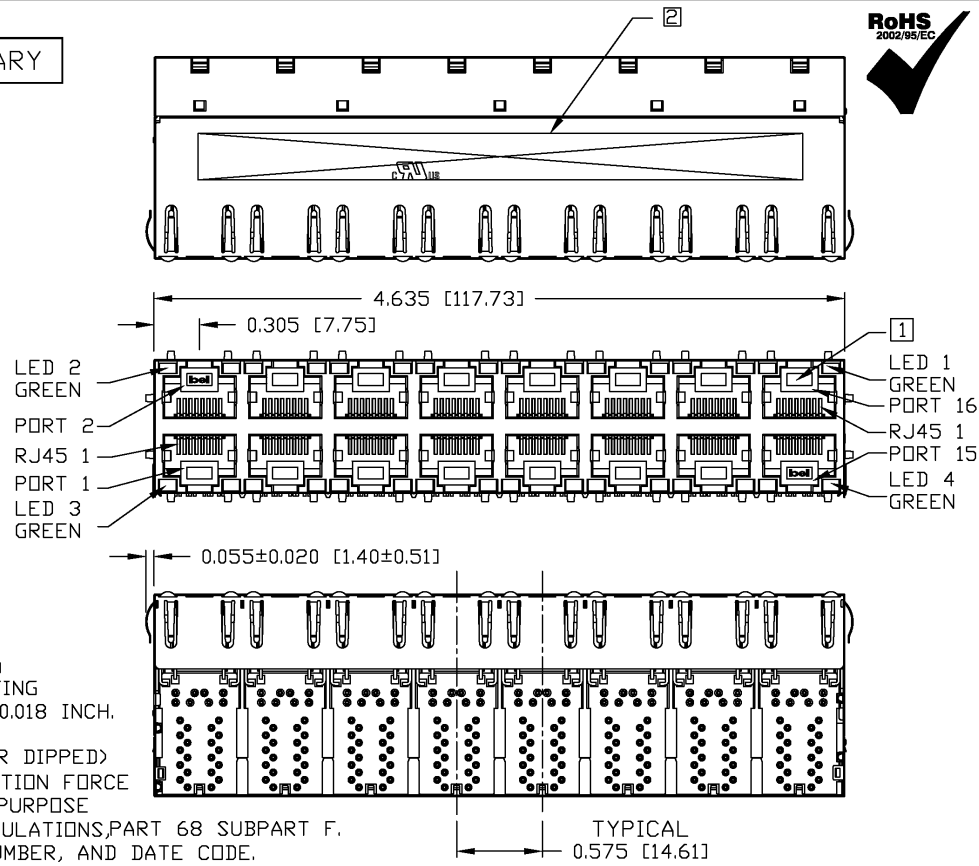
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SOLDER DIPPED GROUND LEADS (9X)
 NOTES:
 PLASTIC HOUSING: THERMOPLASTIC PBT
 CONTACT PLATING: 30 MICRO-INCH HARD GOLD PLATING
 OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
 METAL SHIELD: NICKEL PLATED COPPER ALLOY.
 (ALL GROUND LEADS ARE SOLDER DIPPED)
 FROG LEGS ARE FOR PCB RETENTION FORCE ONLY AND NOT FOR GROUNDING PURPOSE

1.375 [34.93] MAX.
 0.055±0.020 [1.40±0.51]
 0.900 [22.86]
 0.505 [12.83]
 FROG LEGS WITHOUT SOLDER DIPPED (4X)



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.

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

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	 COMPONENTS ON A CONNECTED PLANET
CHRIS	11-21-05	2X8 gigabit MagJack® COMPRESSOR SERIES (8 Cores)	C850-2G8R-54	.X	UNIT : INCH [mm]	
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	
TING	11-21-05		C8502G8R54PB.DWG	.XXX ±0.010	REV. : PB	
					SIZE : A4	
					PAGE : 3	

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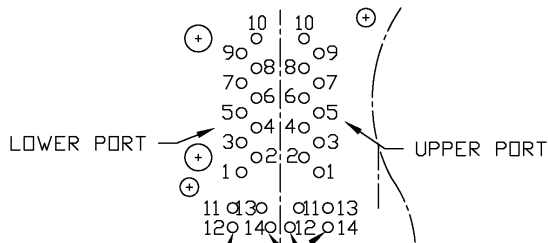
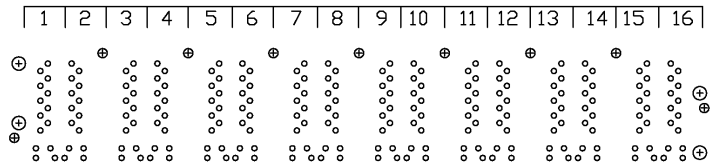
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PORT ASSIGNMENT
(COMPONENT SIDE VIEW)

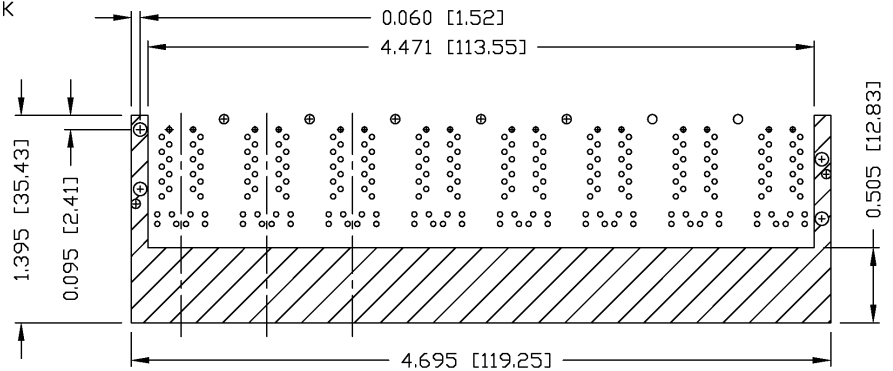


LED FOR LOWER DECK
LED3 11-12
LED4 13-14

LED FOR UPPER DECK
LED1 11-12
LED2 13-14

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+
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.

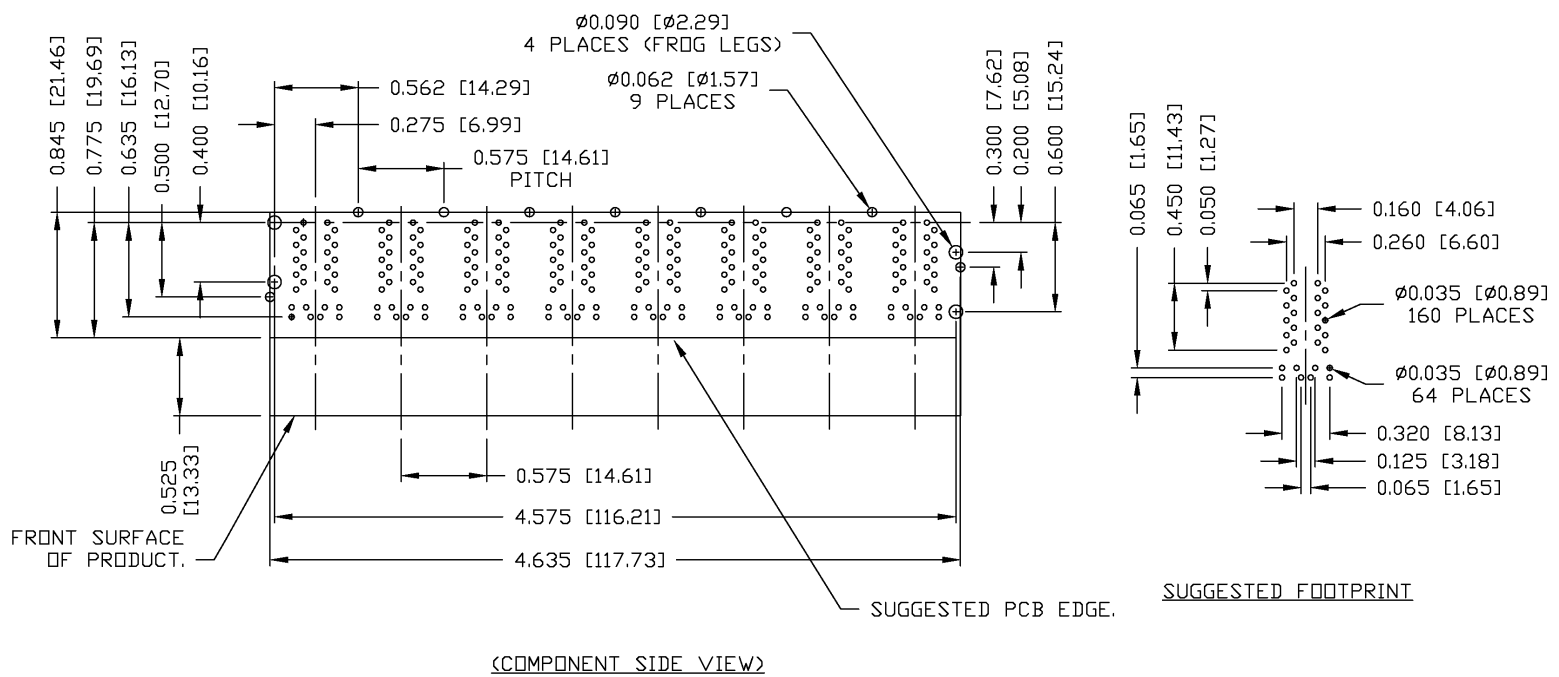
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			FILE NAME C8502G8R54PB.DWG	.X .XX .XXX ±0.004	UNIT : INCH [mm] SCALE : N/A REV. : PB SIZE : A4 PAGE : 4



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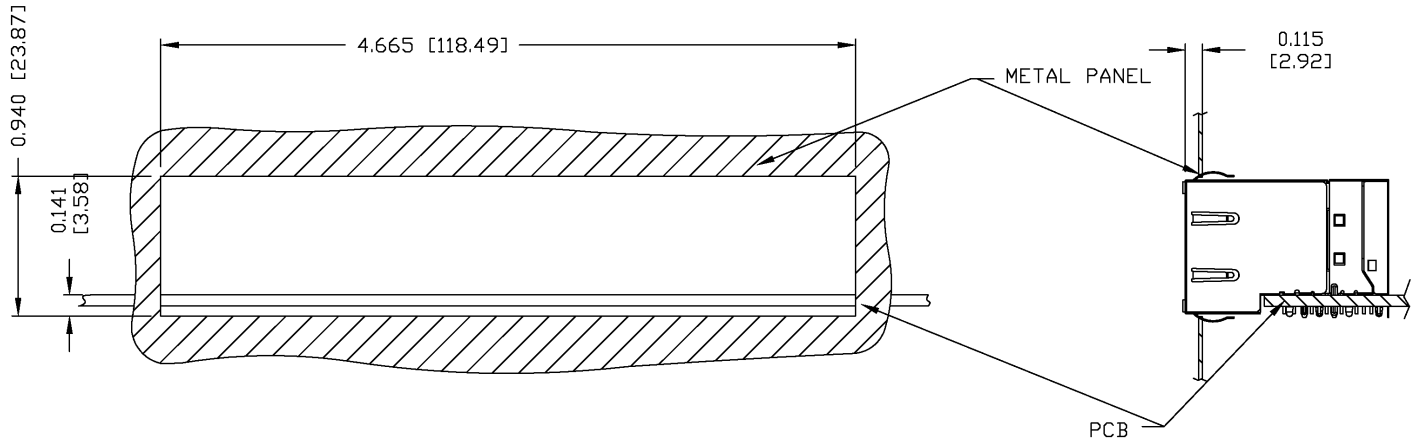
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SUGGESTED PANEL OPENING



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 : 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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