



BI-COLOR LED POLARITY		
PIN	GREEN	ORANGE
11	-	+
12	+	-

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

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

OC L @ 100kHz/100mVRMS	350μH MIN.
8mA DC BIAS	

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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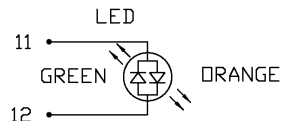
CM TO DM REJ

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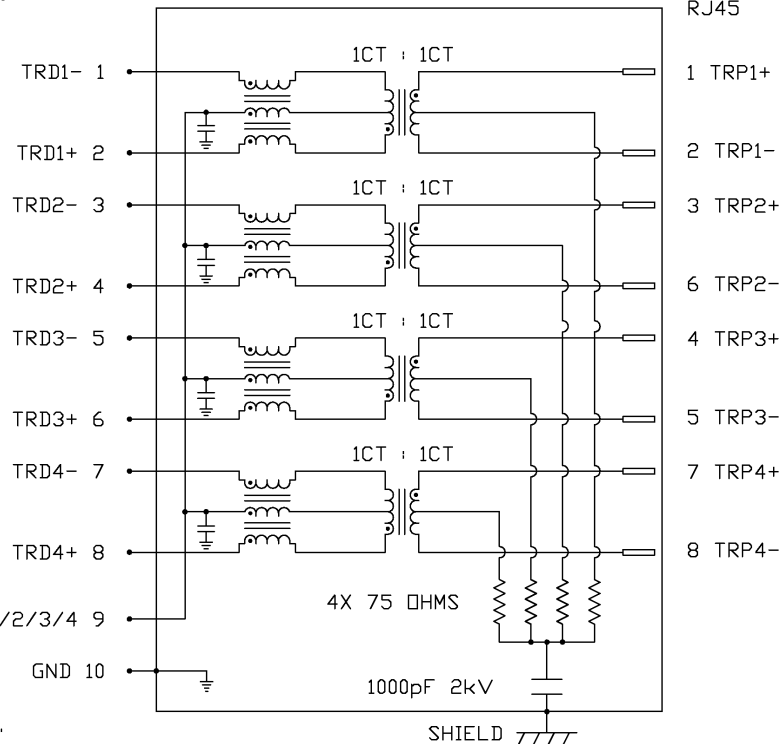
HIPOT (Isolation Voltage):	1500 Vrms
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LED

V _F (FORWARD VOLTAGE)	I _F =20mA	GREEN	2.2V TYP.	GND 10
		PURE ORANGE	2.0V TYP.	
λ _D (DOMINANT WAVELENGTH)	I _F =20mA	GREEN	565nm TYP.	
		PURE ORANGE	610nm TYP.	



SCHEMATIC



RJ45

1 TRP1+

2 TRP1-

3 TRP2+

6 TRP2-

4 TRP3+

5 TRP3-

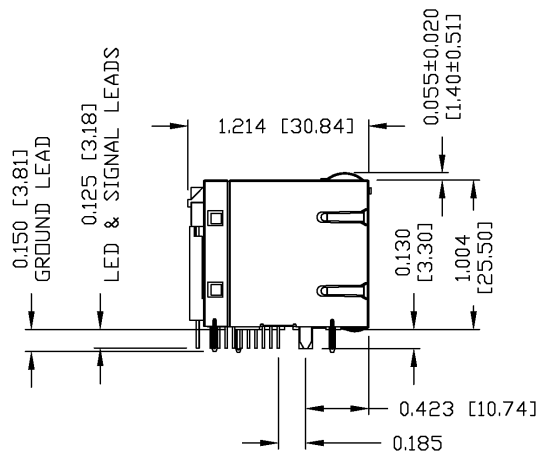
7 TRP4+

8 TRP4-

ORIGINATED BY	DATE	TITLE 2X5 gigabit MagJack® (8 Cores, with LED)	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS ON A CONNECTED PLANET
CHUNG	07-19-05		0863-2X5R-54	TOL. IN INCH		UNIT : INCH [mm]	REV. : A	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
DE	07-19-05		08632X5R54A.DWG	.XX			PAGE : 2	
				.XXX				



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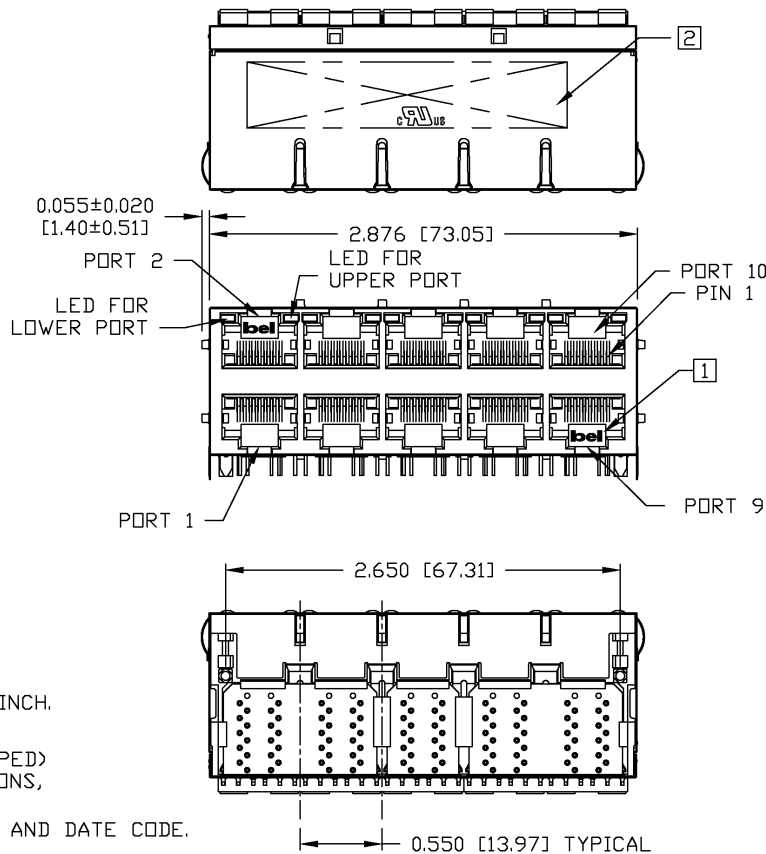
NOTES:

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 COPPER ALLOY.
 (ALL GROUND LEADS ARE SOLDER DIPPED)

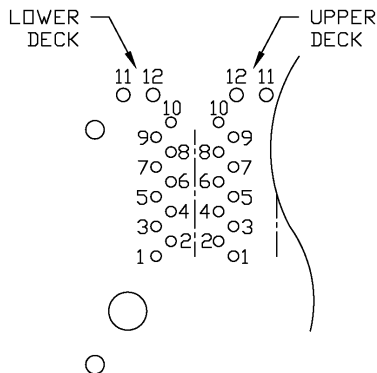
1. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
2. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.

RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

c **UL** US UL RECOGNIZED - FILE #E196366 AND E169987.



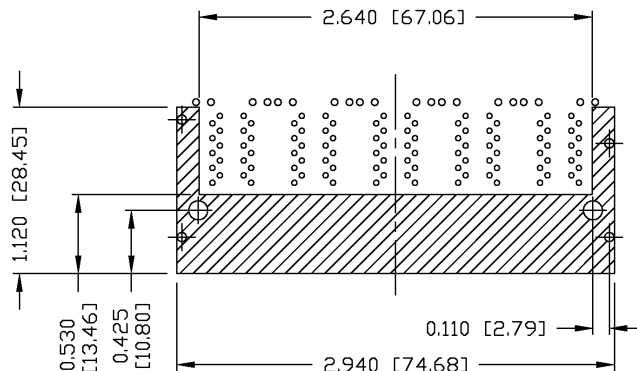
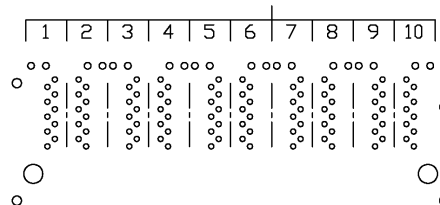
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DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	
QIN	07-19-05		08632X5R54A.DWG	.XX	SIZE : A4	
				.XXX	±0.010	PAGE : 3



PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

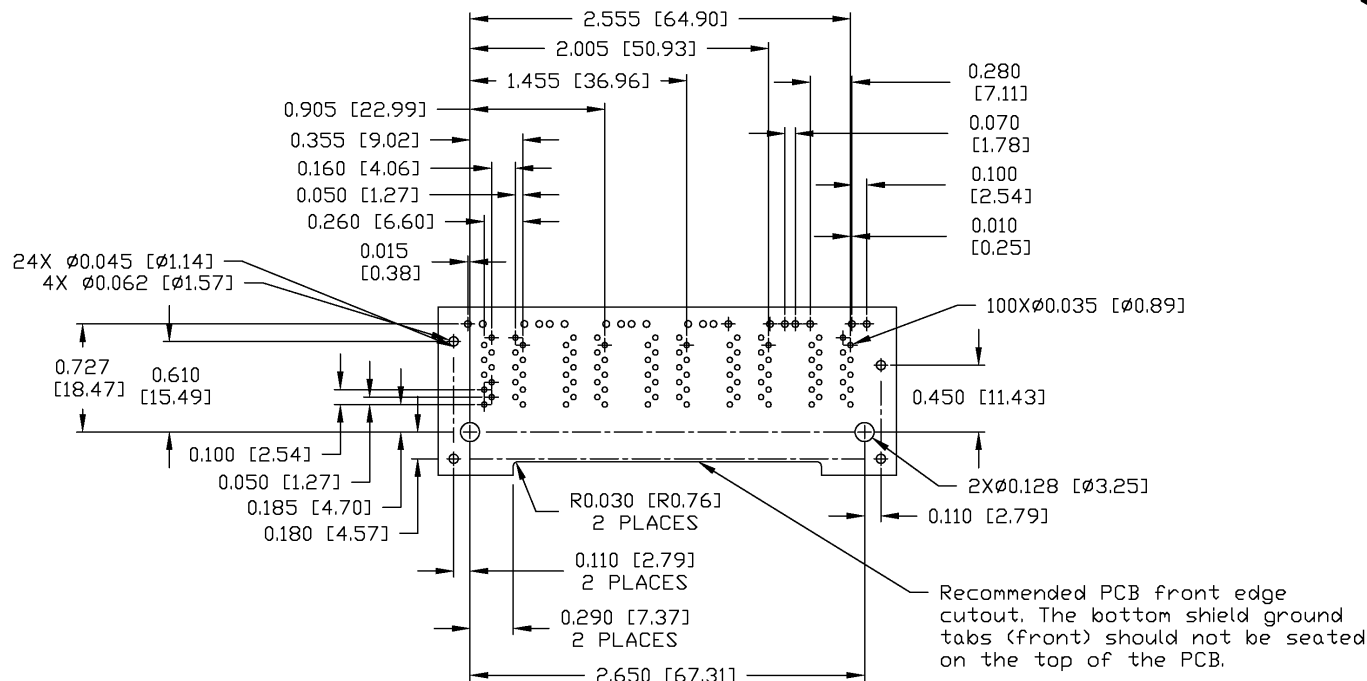
12	GRN (+)/DRG (-)
11	GRN (-)/DRG (+)
10	GND
9	TRCT1/2/3/4
8	TRD 4+
7	TRD 4-
6	TRD 3+
5	TRD 3-
4	TRD 2+
3	TRD 2-
2	TRD 1+
1	TRD 1-

PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



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

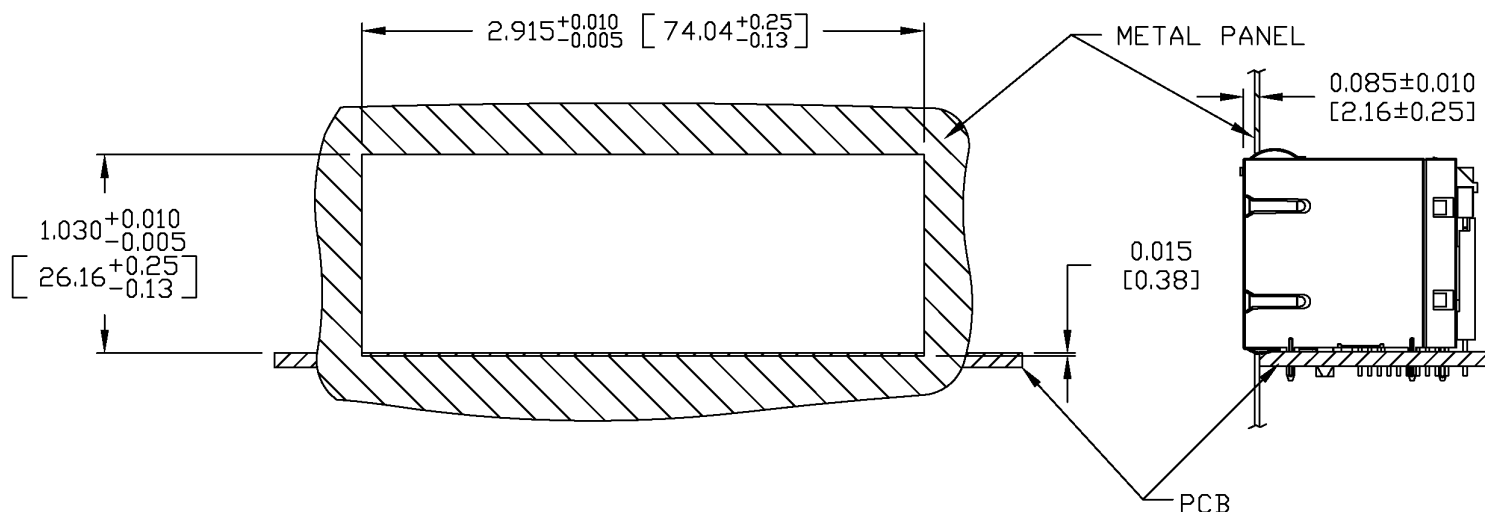
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QIN	07-19-05		08632X5R54A.DWG	.XX		PAGE : 4		
				.XXX	±0.004			



SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)

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DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
QIN	07-19-05		08632X5R54A.DWG	.XX			PAGE : 5	
				.XXX	±0.010			

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-K5 (TOP)
 0200-9999-K6 (BOTTOM)

PACKING QUANTITY : 15 PCS FINISHED GOODS PER TRAY
 7 TRAY (105 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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QIN	07-19-05		08632X5R54A.DWG	.XXX ±0.004	⊕ ---	PAGE : 6