

THE INFORMATION CONTAINED HEREIN IS CONSIDERED
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BI-COLOR LED POLARITY		
PIN	GREEN	ORANGE
11	-	+
12	+	-

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

TP1	1CT : 1CT $\pm 2\%$
TP2	1CT : 1CT $\pm 2\%$
TP3	1CT : 1CT $\pm 2\%$
TP4	1CT : 1CT $\pm 2\%$

DCL @ 100kHz/100mVRMS

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

CM TO DM REJ

100kHz - 100MHz

-35 dB MIN

HIPOT (Isolation Voltage):

1500 Vrms

TRDCT1/2/3/4 9

LED

VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP. GND 10

PURE ORANGE 2.0V TYP.

λD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.

PURE ORANGE 610nm TYP.



SCHEMATIC

RJ45

1 TRP1+

2 TRP1-

3 TRP2+

6 TRP2-

4 TRP3+

5 TRP3-

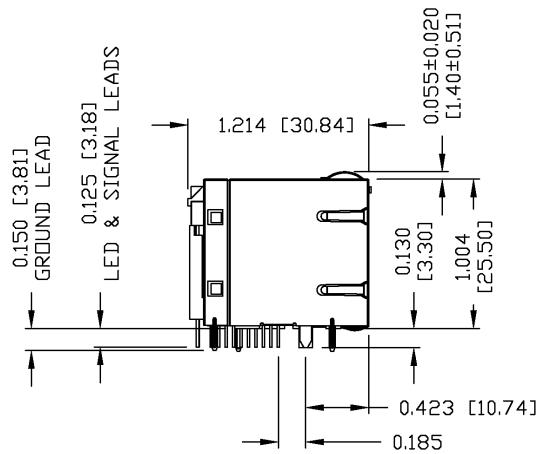
7 TRP4+

8 TRP4-

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



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NOTES:

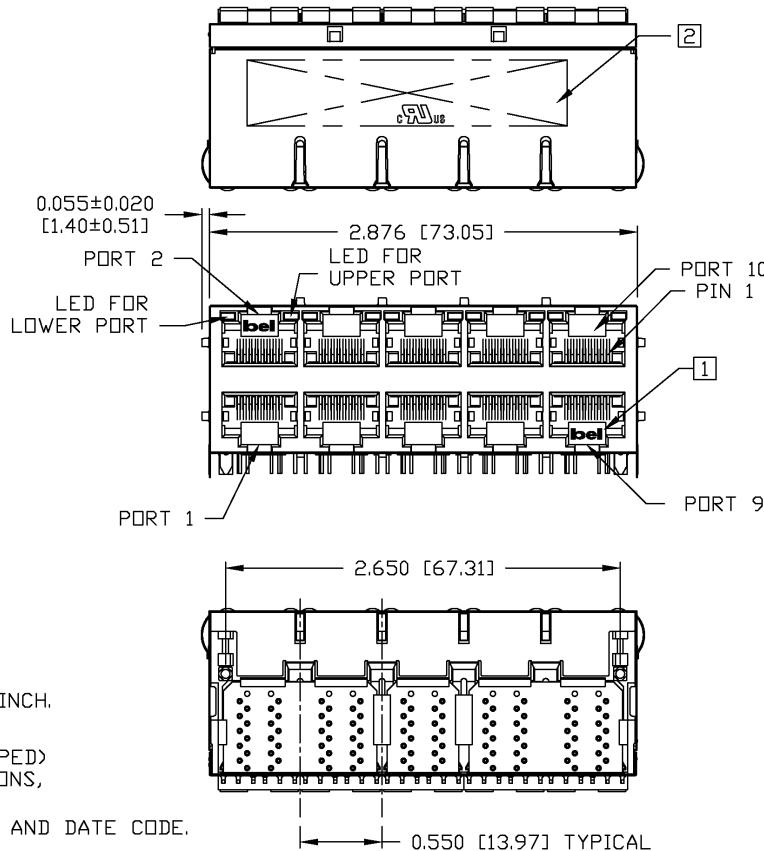
PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACT PLATING: 30 MICRO-INCH HARD GOLD PLATING
OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED COPPER ALLOY.

(ALL GROUND LEADS ARE SOLDER DIPPED)

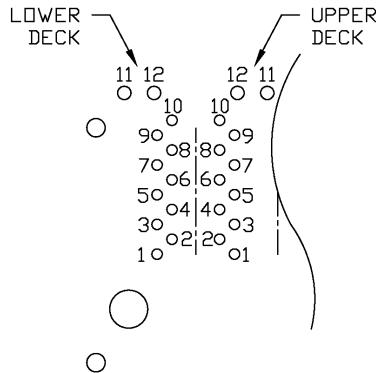
1. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,
PART 68 SUBPART F.

2. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.
RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

UL RECOGNIZED - FILE #E196366 AND E169987.



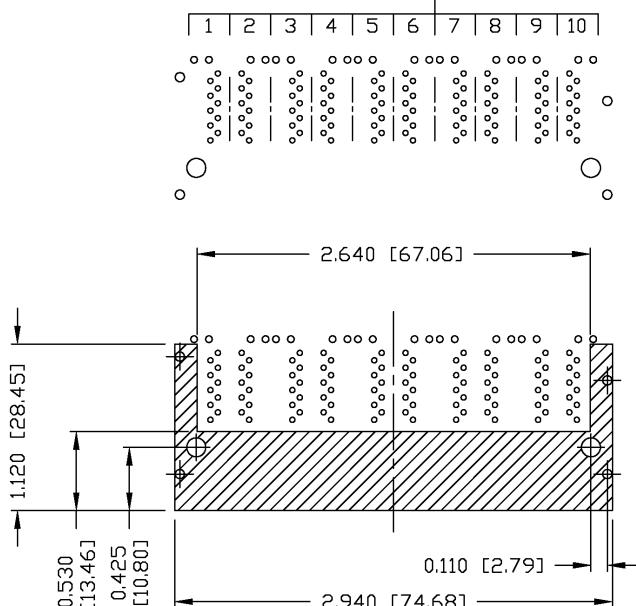
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
BILL	07-19-05	2x5 gigabit MagJack® (8 Cores, with LED)	0863-2X5R-54	.X	UNIT : INCH [mm]
DRAWN BY	DATE		FILE NAME	.XX	REV. : A
QIN	07-19-05		08632X5R54A.DWG	.XXX	SCALE : N/A
				±0.010	SIZE : A4
					PAGE : 3



PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

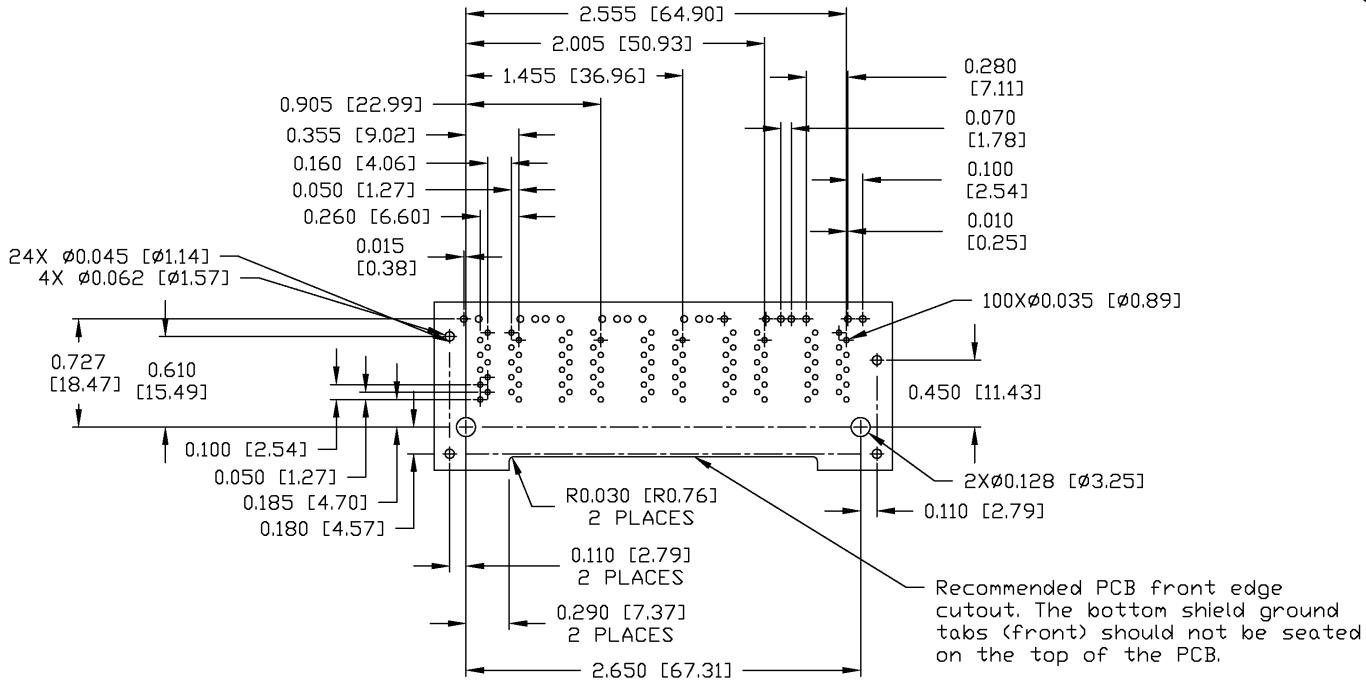
12	GRN (+)/ORG (-)
11	GRN (-)/ORG (+)
10	GND
9	TRCT1/2/3/4
8	TRD 4+
7	TRD 4-
6	TRD 3+
5	TRD 3-
4	TRD 2+
3	TRD 2-
2	TRD 1+
1	TRD 1-

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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DRAWN BY	DATE		FILE NAME	.XX	REV. : A
QIN	07-19-05		08632X5R54A.DWG	.XXX	SCALE : N/A
				±0.004	SIZE : A4
					PAGE : 4

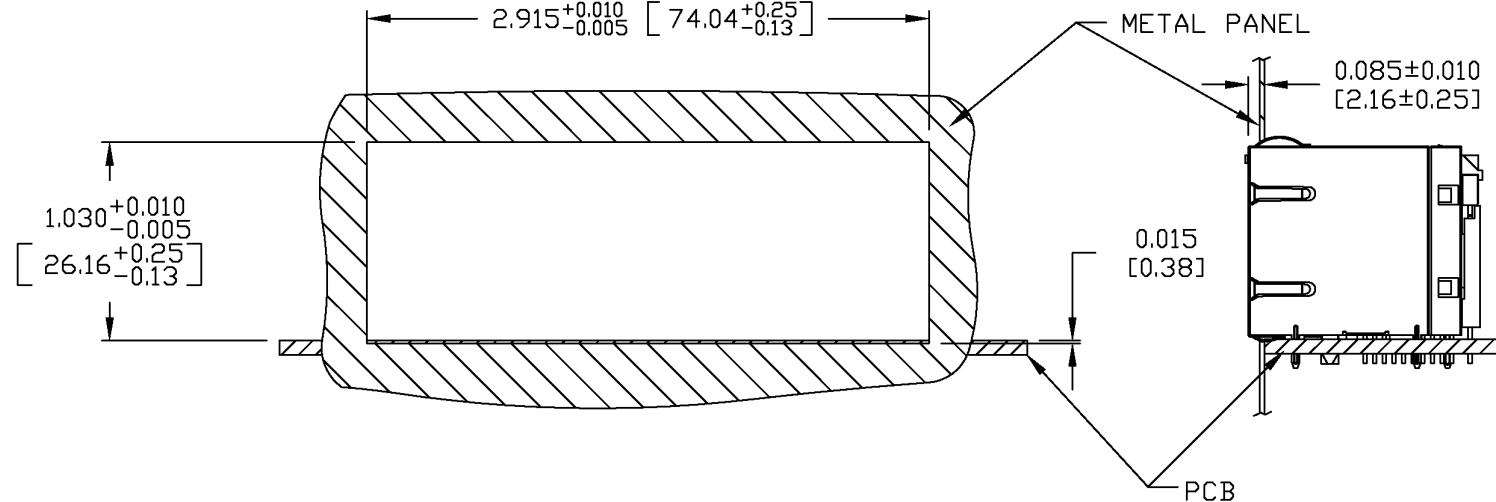


SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	<input type="checkbox"/> METRIC DIM. AS REFERENCE
BILL	07-19-05	2X5 gigabit MagJack® (8 Cores, with LED)	0863-2X5R-54	.X	UNIT : INCH [mm]
DRAWN BY	DATE		FILE NAME	.XX	REV. : A
QIN	07-19-05		08632X5R54A.DWG	.XXX	SCALE : N/A
					SIZE : A4
					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 : 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)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE		bel
DRAWN BY	DATE		0863-2X5R-54	TOL. IN INCH	UNIT : INCH [mm]	REV. : A	
BILL	07-19-05	2X5 gigabit MagJack® (8 Cores, with LED)	FILE NAME 08632X5R54A.DWG	X			
QIN	07-19-05			XX	SCALE : N/A	SIZE : A4	
				XXX	±0.004		PAGE : 6