

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Bel Fuse Inc.](#)  
[0833-2X4R-33-F](#)

For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



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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 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

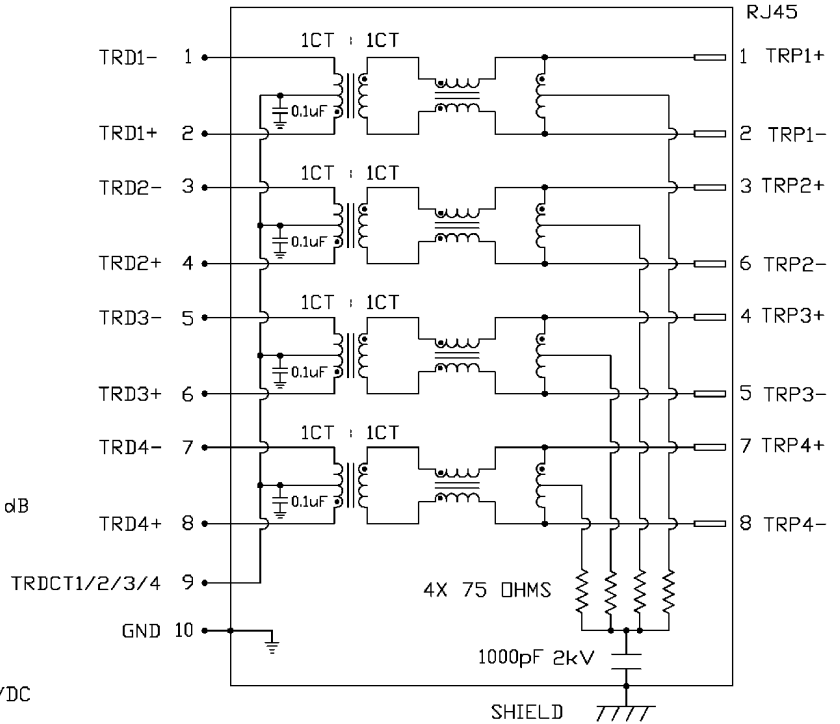
CM TO DM REJ

100kHz - 100MHz -35 dB MIN

HIPDT (Isolation Voltage):

1500 Vrms or 2250VDC

SCHEMATIC



ORIGINATED BY	DATE	TITLE
CHUNG	03-21-06	2X4 gigabit MagJack <sup>®</sup> (12 Cores)
DRAWN BY	DATE	FILE NAME
DE	03-21-06	08332X4R33-F.B.DWG

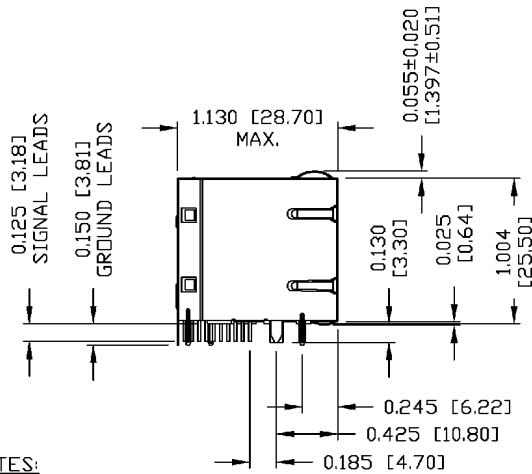
PART NO. / DRAWING NO.	STANDARD DIM.	[ ] METRIC DIM. AS REFERENCE
08332X4R33-F	TOL. IN INCH	UNIT : INCH [mm] REV. : B
	.X	SCALE : N/A SIZE : A4
	.XX	⊕
	.XXX	PAGE : 2

FILE NAME	STANDARD DIM.	[ ] METRIC DIM. AS REFERENCE
08332X4R33-F.B.DWG	TOL. IN INCH	UNIT : INCH [mm] REV. : B
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	.XX	⊕
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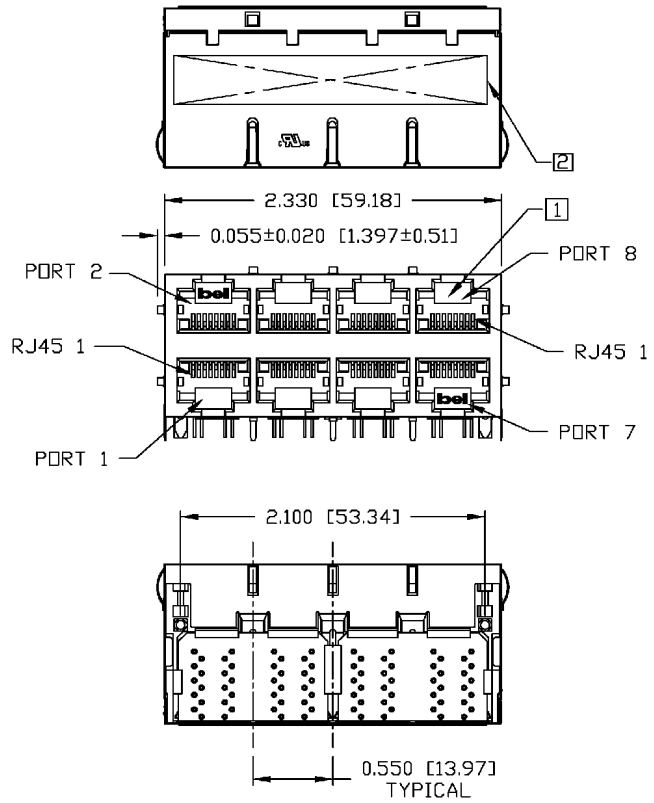


**NOTES:**

- PLASTIC HOUSING: THERMOPLASTIC PBT  
FLAMMABILITY RATING UL 94V-0
- CONTACT PLATING: 50 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)

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

- [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.



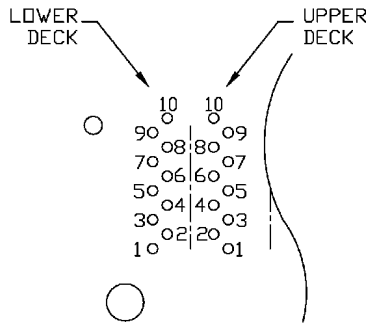
UL RECOGNIZED - FILE #E196366 AND E169987.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE
QIN/KEUNG	03-21-06	2X4 gigabit MagJack® (12 Cores)	08332X4R33-F	.X	UNIT : INCH [mm] REV. : B
DRAWN BY	DATE	0833-2X4R-33-F	FILE NAME	.XX	SCALE : N/A SIZE : A4
LING	03-21-06		08332X4R33-F.B.DWG	.XXX ±0.010	PAGE : 3





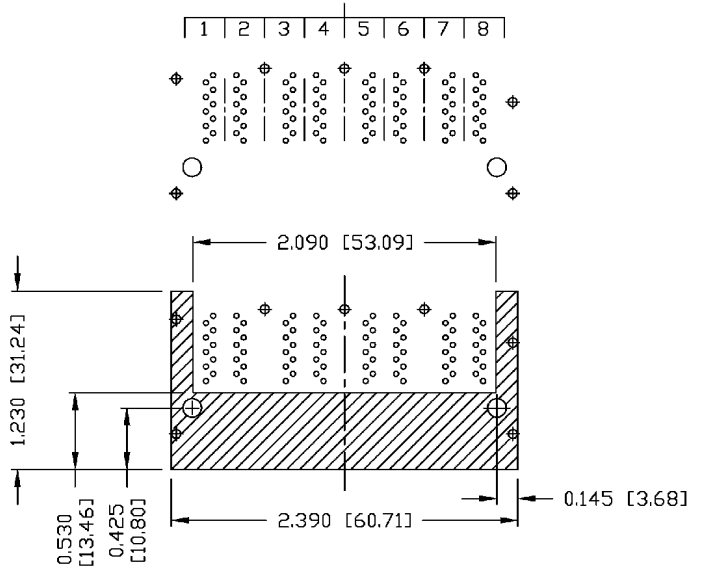
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PIN-OUT INFORMATION  
(COMPONENT SIDE VIEW)

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-

PORT ASSIGNMENT  
(COMPONENT SIDE VIEW)

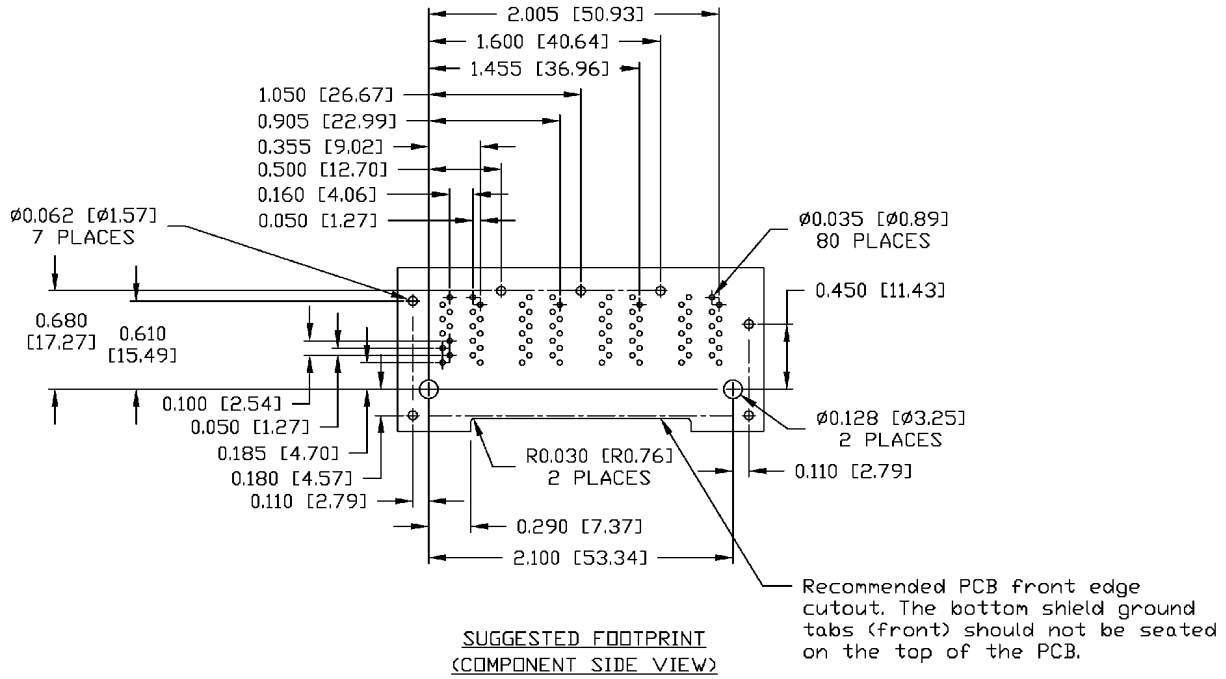


THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE	 COMPONENTS OF A CONNECTED PLANET
QIN/KEUNG	03-21-06	2X4 gigabit MagJack® (12 Cores) 0833-2X4R-33-F	08332X4R33-F	.X	UNIT : INCH [mm] REV. : B	
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4	
LING	03-21-06		08332X4R33-F.B.DWG	.XXX ±0.004	PAGE : 4	



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DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
LING	03-21-06		08332X4R33-FB.DWG	.XXX ±0.004	PAGE : 5

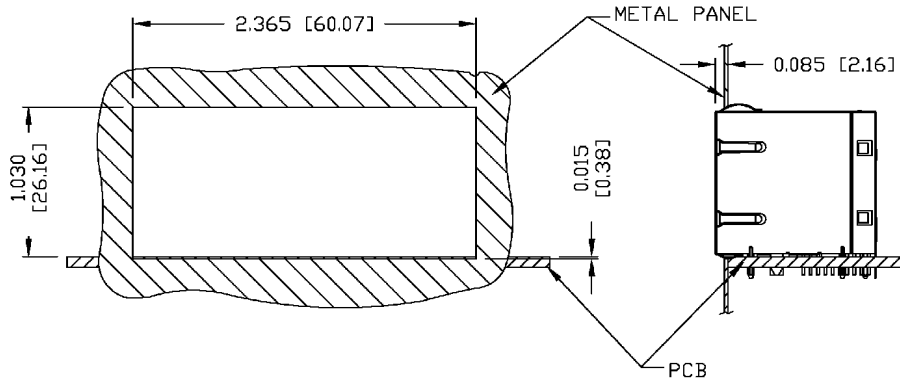


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SUGGESTED PANEL OPENING



NOTES:

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 : 0200-0148-46 (TOP)  
 0200-0148-47 (BOTTOM)

PACKING QUANTITY : 20 PCS FINISHED GOODS PER TRAY,  
 7 TRAYS (140 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. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE	 COMPONENTS ON A CONNECTED PLANET	
QIN/KEUNG	03-21-06	2X4 gigabit MagJack® (12 Cores) 0833-2X4R-33-F	08332X4R33-F	.X	UNIT : INCH [mm]		REV. : B
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A		SIZE : A4
LING	03-21-06		08332X4R33-F.B.DWG	.XXX ±0.004		PAGE : 6	

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