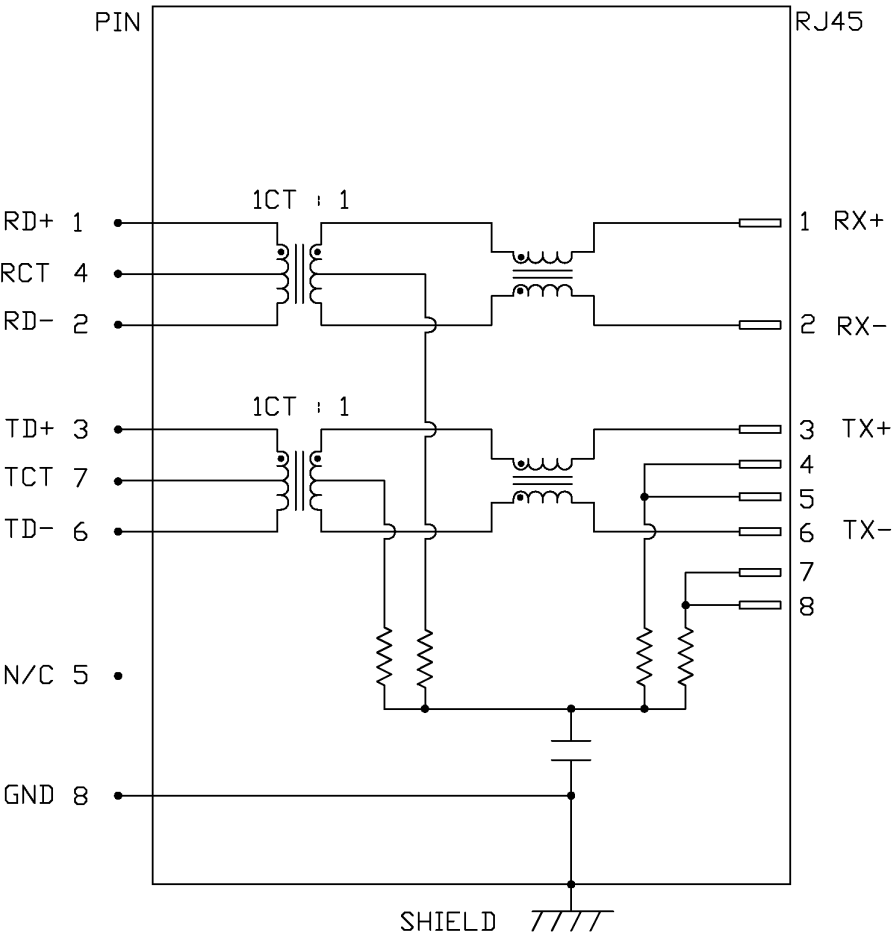




SCHEMATIC

ELECTRICAL CHARACTERISTICS @ 25°C

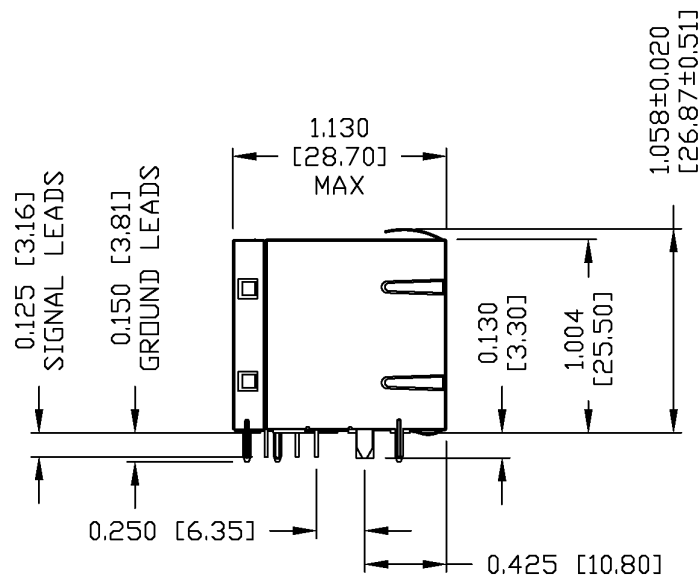
|                     |               |
|---------------------|---------------|
| RETURN LOSS (MIN.)  |               |
| 1MHz-30MHz          | -18 dB        |
| 60MHz-80MHz         | -12 dB        |
| INSERTION LOSS(MAX) |               |
| 100KHz TO 100MHz    | -1.1 dB       |
| QCL @ 0.1V, 100KHz  |               |
| 8mA DC BIAS         | 350μH MIN.    |
| URNS RATIO          | 1CT : 1CT ±3% |
| XTALK               |               |
| 100KHz TO 100MHz    | -35 dB MIN.   |



| ORIGINATED BY | DATE     | TITLE<br><br>2X4 MagJack®<br>(4 Cores)<br>0811-2X4R-28-F | PART NO. / DRAWING NO. | STANDARD DIM. |                                                                                       | [ ] METRIC DIM. AS REFERENCE |                                                                                       | <br><small>COMPONENTS ON A<br/>CONNECTED<br/>PLANET</small> |
|---------------|----------|----------------------------------------------------------|------------------------|---------------|---------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
|               |          |                                                          | 08112X4R28-F           | TOL. IN INCH  |                                                                                       | UNIT : INCH [mm]             | REV. : A                                                                              |                                                                                                                                                  |
| DRAWN BY      | DATE     |                                                          | FILE NAME              | .X            |  | SCALE : N/A                  | SIZE : A4                                                                             |                                                                                                                                                  |
| DE            | 06-02-05 |                                                          | 08112X4R28-FA.DWG      | .XX           |                                                                                       | .XXX                         |  |                                                                                                                                                  |



THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.



#### NOTES:

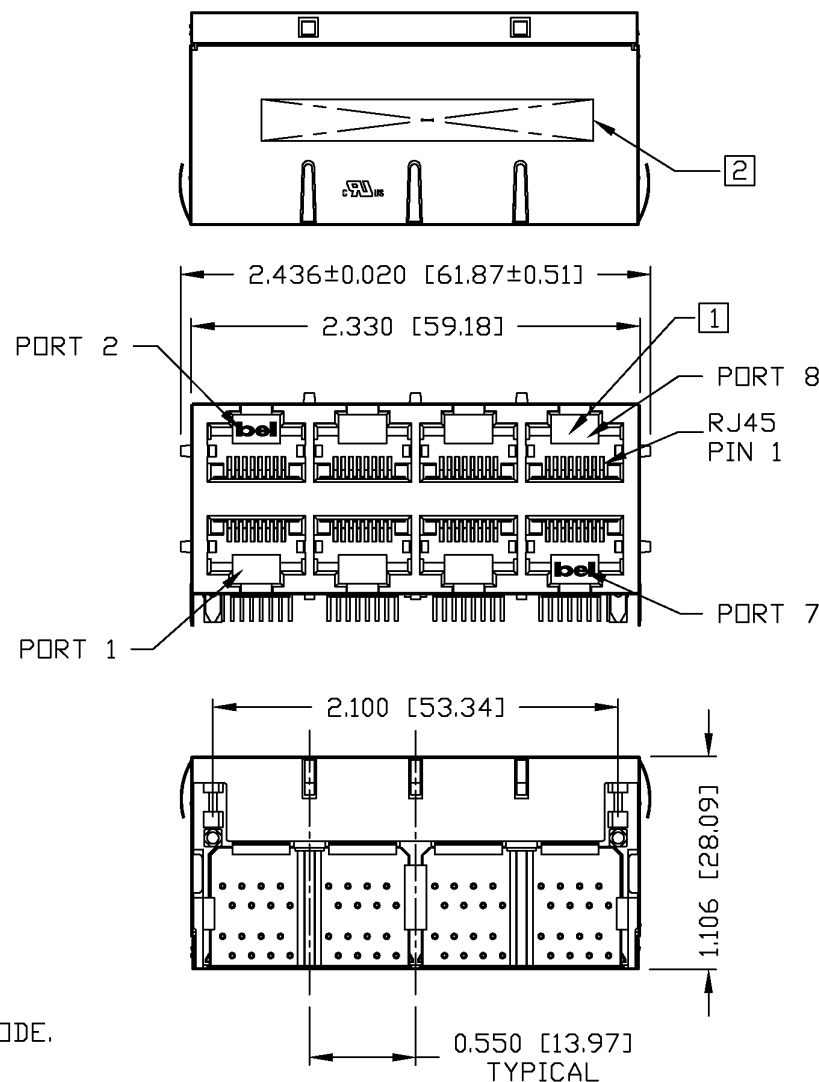
PLASTIC HOUSING: THERMOPLASTIC PBT  
FLAMMABILITY RATING UL 94V-0  
CONTACT PLATING: 30 MICRO-INCH HARD GOLD PLATING  
OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.  
METAL SHIELD: NICKEL PLATED COPPER ALLOY.

(ALL GROUND LEADS ARE SOLDER DIPAD)

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.

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

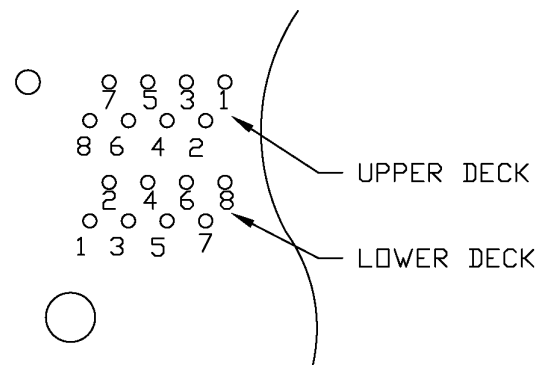
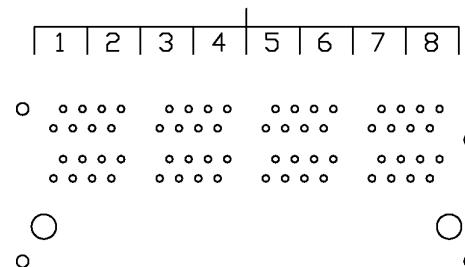
RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.



| ORIGINATED BY | DATE     | TITLE                                       | PART NO. / DRAWING NO. | STANDARD DIM. |        | [ ] METRIC DIM. AS REFERENCE |           |
|---------------|----------|---------------------------------------------|------------------------|---------------|--------|------------------------------|-----------|
|               |          |                                             |                        | TOL. IN INCH  |        | UNIT : INCH [mm]             | REV. : A  |
| BILL          | 06-02-05 | 2X4 MagJack®<br>(4 Cores)<br>0811-2X4R-28-F | 08112X4R28-F           | .X            |        | SCALE : N/A                  | SIZE : A4 |
| DRAWN BY      | DATE     |                                             |                        | .XX           |        | ⊕                            | PAGE : 3  |
| LING          | 06-02-05 |                                             |                        | .XXX          | ±0.010 |                              |           |

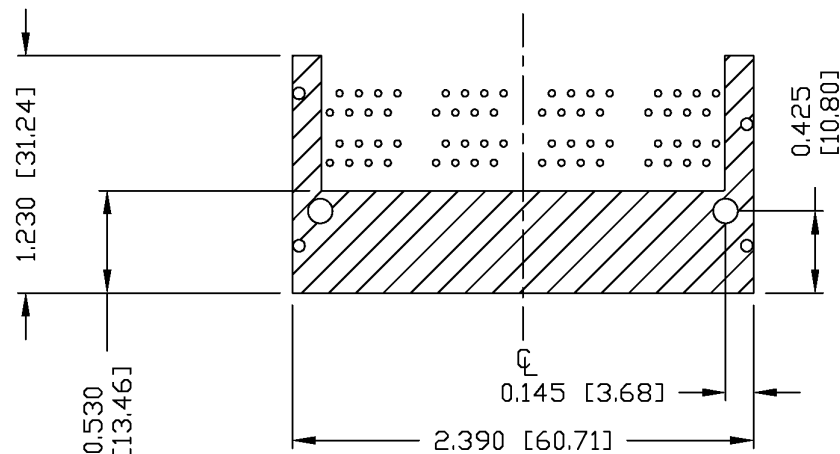


PORT ASSIGNMENT  
(COMPONENT SIDE VIEW)



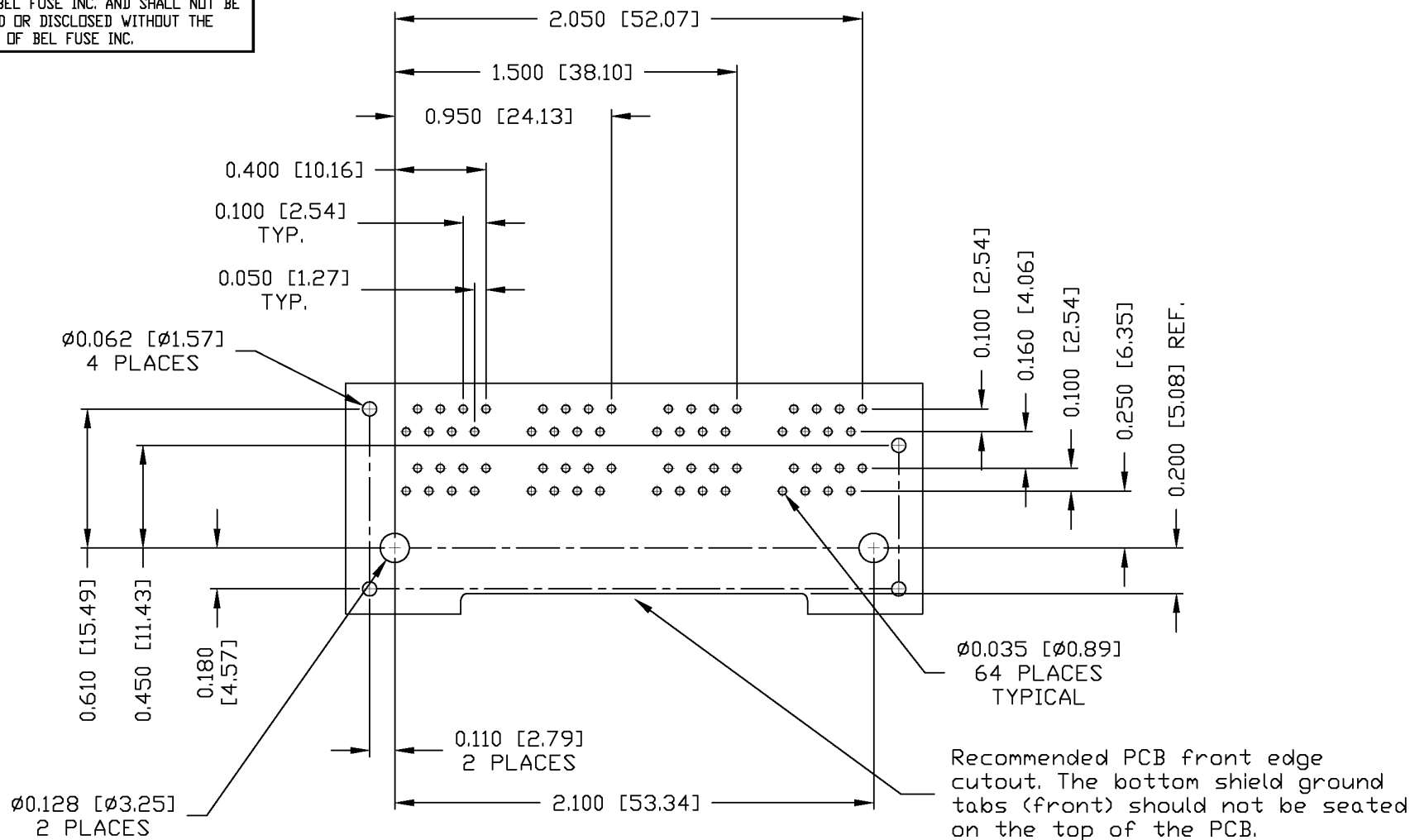
PIN-OUT INFORMATION  
(COMPONENT SIDE VIEW)

|   |      |
|---|------|
| 8 | GND  |
| 7 | TCT  |
| 6 | TD-  |
| 5 | NC   |
| 4 | RCT  |
| 3 | TD + |
| 2 | RD - |
| 1 | RD + |



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

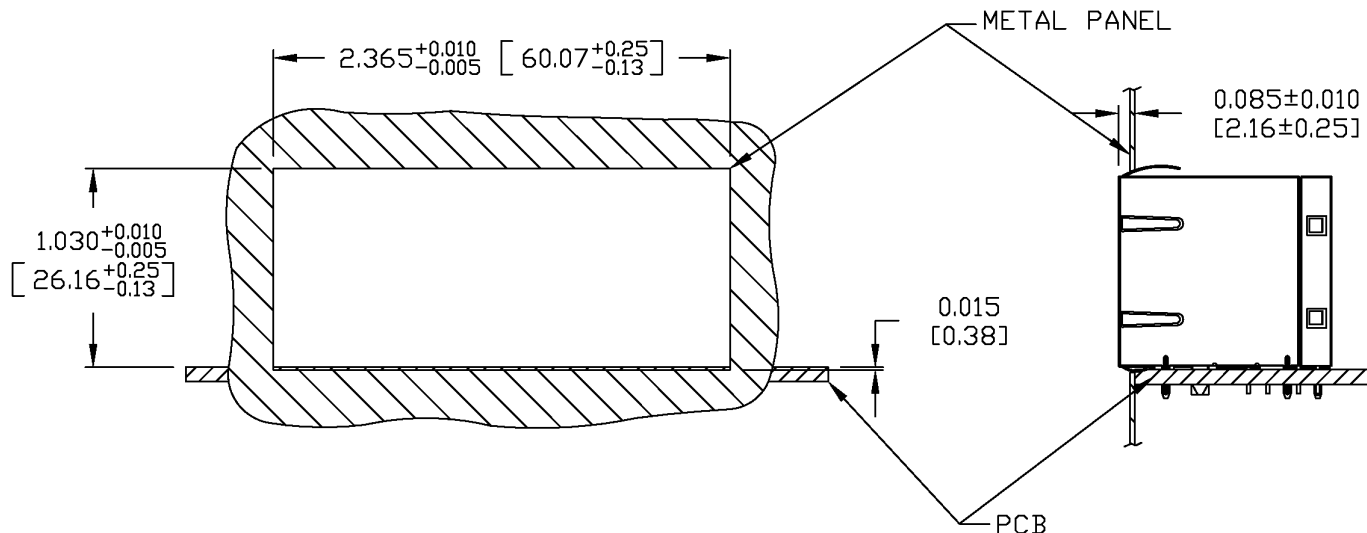
| ORIGINATED BY | DATE     | TITLE                                       | PART NO. / DRAWING NO. | STANDARD DIM.<br>TOL. IN INCH | [ ] METRIC DIM. AS REFERENCE |           |
|---------------|----------|---------------------------------------------|------------------------|-------------------------------|------------------------------|-----------|
| BILL          | 06-02-05 | 2X4 MagJack®<br>(4 Cores)<br>0811-2X4R-28-F | 08112X4R28-F           | .X                            | UNIT : INCH [mm]             | REV. : A  |
| DRAWN BY      | DATE     |                                             | FILE NAME              | .XX                           | SCALE : N/A                  | SIZE : A4 |
| LING          | 06-02-05 |                                             | 08112X4R28-FA.DWG      | .XXX ±0.010                   | ⊕ --->                       | PAGE : 4  |



SUGGESTED FOOTPRINT  
(COMPONENT SIDE VIEW)

| ORIGINATED BY | DATE     | TITLE                                       | PART NO. / DRAWING NO. | STANDARD DIM.<br>TOL. IN INCH | [ ] METRIC DIM. AS REFERENCE |           |
|---------------|----------|---------------------------------------------|------------------------|-------------------------------|------------------------------|-----------|
| BILL          | 06-02-05 | 2X4 MagJack®<br>(4 Cores)<br>0811-2X4R-28-F | 08112X4R28-F           | .X                            | UNIT : INCH [mm]             | REV. : A  |
| DRAWN BY      | DATE     |                                             | FILE NAME              | .XX                           | SCALE : N/A                  | SIZE : A4 |
| LING          | 06-02-05 |                                             | 08112X4R28-FA.DWG      | .XXX ±0.005                   | ⊕                            | PAGE : 5  |

### SUGGESTED PANEL DAINING



#### 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 DAINING DIMENSIONS CHANGE ACCORDINGLY.

#### PACKING INFORMATION

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

PACKING QUANTITY : 20 PCS FINISHED GOODS AR TRAY.  
7 TRAYS (140 PCS FINISHED GOODS) AR CARTON BOX.

NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX.  
(INCLUDE THE UPARMOST AND LOWERMOST TRAY)

| ORIGINATED BY | DATE     | TITLE                                       | PART NO. / DRAWING NO. | STANDARD DIM.<br>TOL. IN INCH | [ ] METRIC DIM. AS REFERENCE |           |
|---------------|----------|---------------------------------------------|------------------------|-------------------------------|------------------------------|-----------|
| BILL          | 06-02-05 | 2X4 MagJack®<br>(4 Cores)<br>0811-2X4R-28-F | 08112X4R28-F           | .X                            | UNIT : INCH [mm]             | REV. : A  |
| DRAWN BY      | DATE     |                                             | FILE NAME              | .XX                           | SCALE : N/A                  | SIZE : A4 |
| LING          | 06-02-05 |                                             | 08112X4R28-FA.DWG      | .XXX ±0.004                   | ⊕ --->                       | PAGE : 6  |