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.

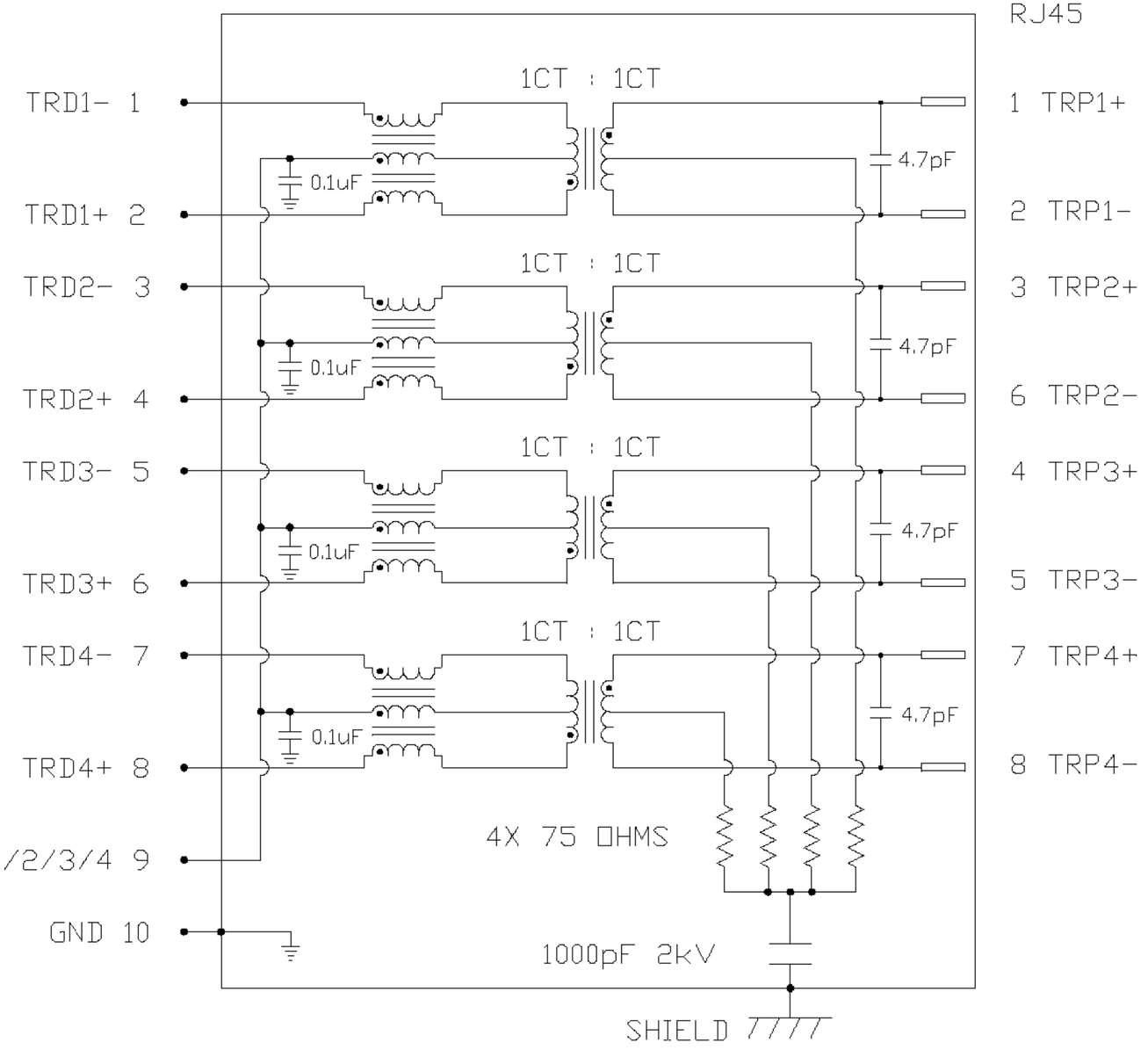
PRELIMINARY

RoHS 2002/95/EC

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
OPERATING TEMPERATURE:	-40° TO +85°C
HIPOT (Isolation Voltage):	1500 Vrms or 2250VDC

SCHEMATIC



ORIGINATED BY: CHUNG	DATE: 01-31-07	TITLE: 2X4 gigabit MagJack® (8 Cores) 0833-2X4R-AV-F	PART NO. / DRAWING NO.: 08332X4RAV-F
DRAWN BY: DE	DATE: 01-31-07		FILE NAME: 08332X4RAV-FPA.DWG

STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX

[ ] METRIC DIM. AS REFERENCE

UNIT : INCH [mm] | REV. : PA

SCALE : N/A | SIZE : A4

PAGE : 2

bel COMPONENTS FOR A CONNECTED PLANET

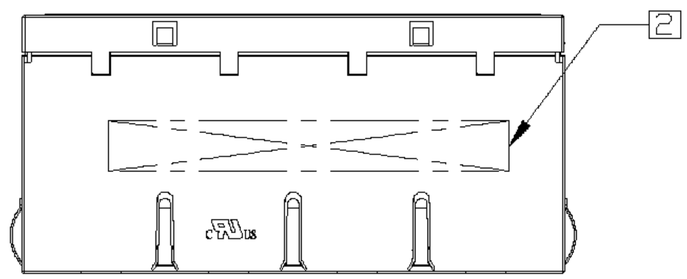
This document is electronically generated. This is a controlled copy if used internally

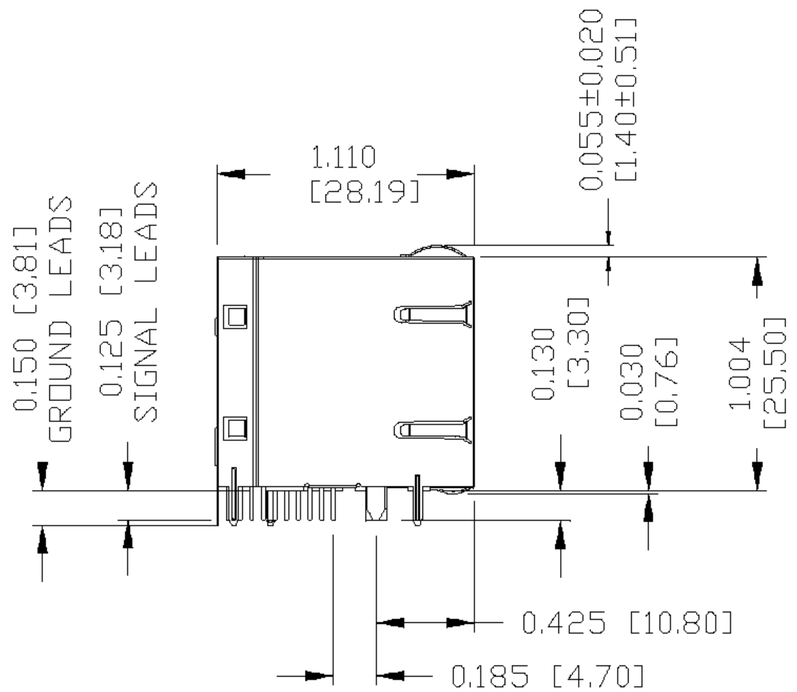
Please read our datasheet & drawing disclaimer here.

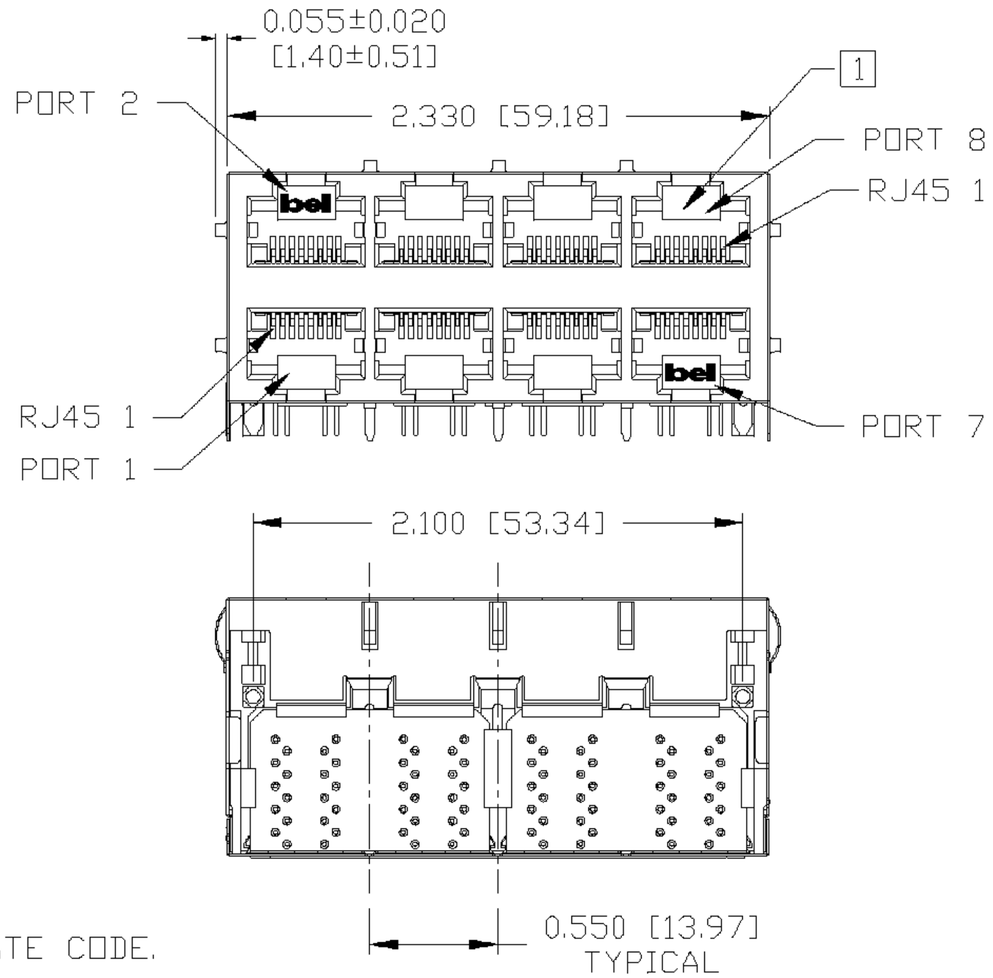
THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

PRELIMINARY

RoHS 2002/95/EC







NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0

CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATED.

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.

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

3. 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	
BILL	01-31-07	2X4 gigabit MagJack® (8 Cores) 0833-2X4R-AV-F	08332X4RAV-F	.X		UNIT : INCH [mm]	REV. : PA
DRAWN BY	DATE		FILE NAME	.XX		SCALE : N/A	SIZE : A4
QIN	01-31-07		08332X4RAV-FPA.DWG	.XXX	±0.010		PAGE : 3

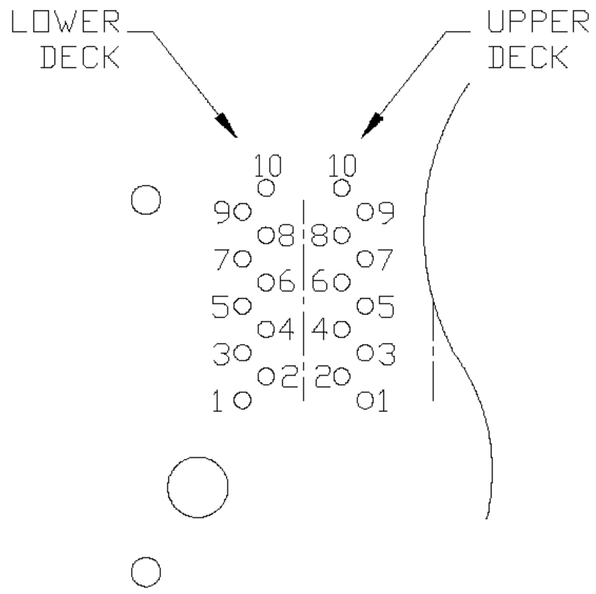
bel COMPONENTS FOR A CONNECTED PLANET

This document is electronically generated. This is a controlled copy if used internally

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.

PRELIMINARY

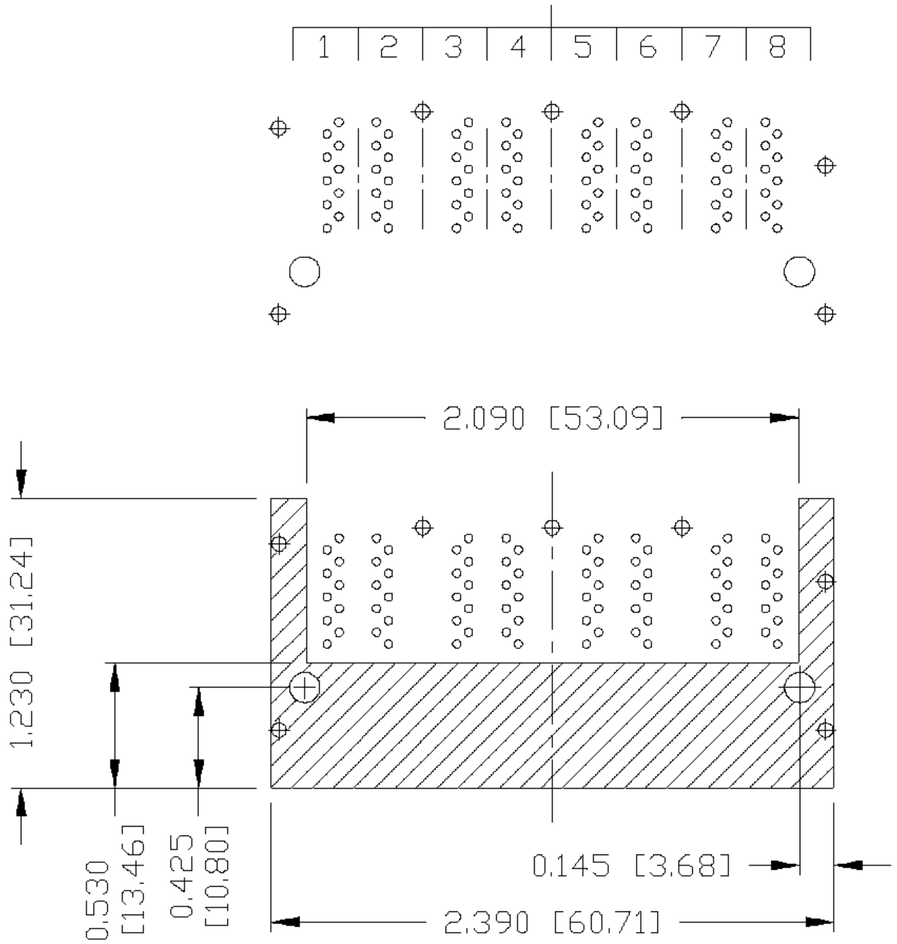
RoHS 2002/95/EC



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: BILL	DATE: 01-31-07	TITLE: 2X4 gigabit MagJack® (8 Cores) 0833-2X4R-AV-F	PART NO. / DRAWING NO.: 08332X4RAV-F	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX ±0.004	[ ] METRIC DIM. AS REFERENCE
DRAWN BY: QIN	DATE: 01-31-07		FILE NAME: 08332X4RAV-FPA.DWG		UNIT : INCH [mm] REV. : PA SCALE : N/A SIZE : A4 PAGE : 4

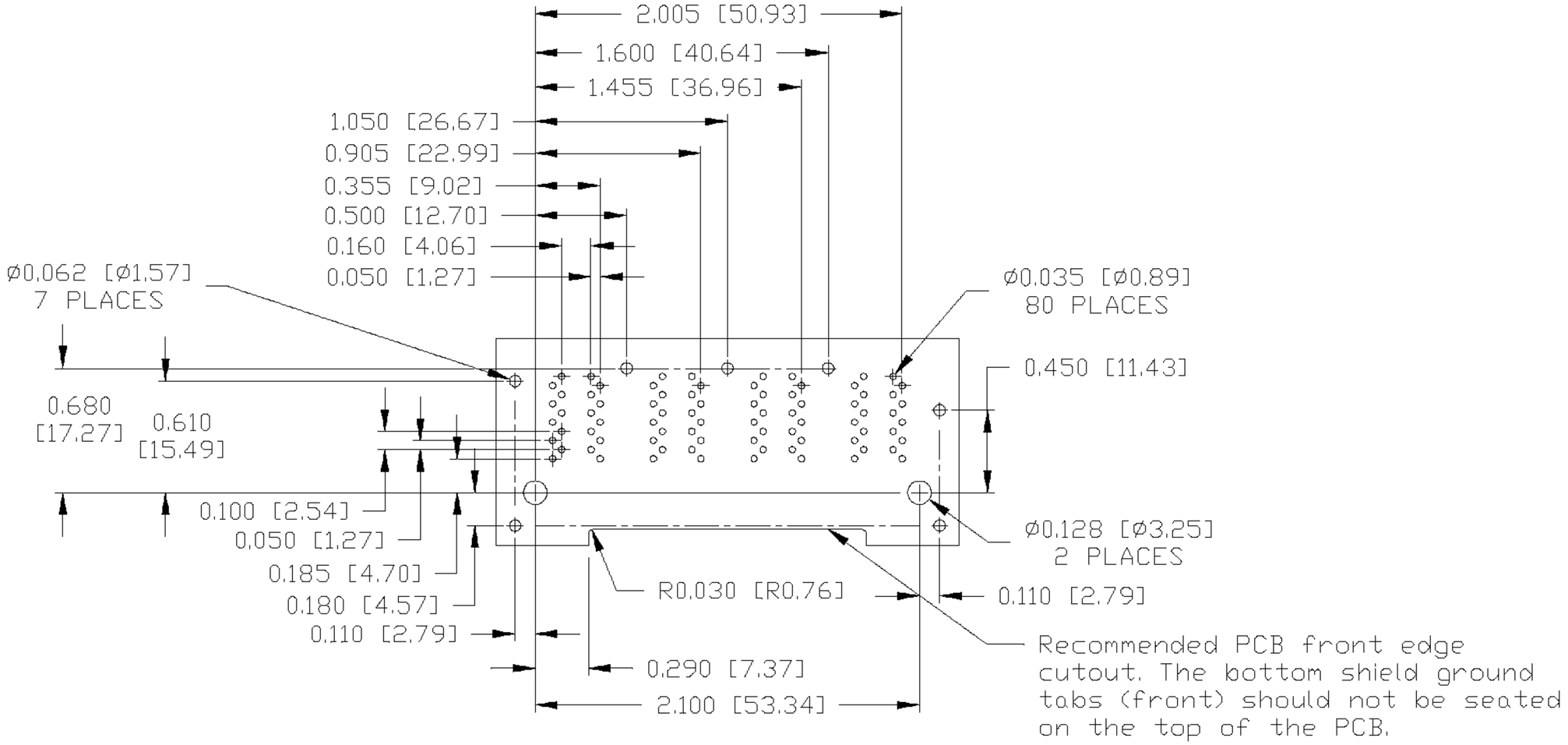
bel COMPONENTS FOR A CONNECTED PLANET

This document is electronically generated. This is a controlled copy if used internally

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.

PRELIMINARY

RoHS 2002/95/EC



SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE	
BILL	01-31-07	2X4 gigabit MagJack® (8 Cores) 0833-2X4R-AV-F	08332X4RAV-F	.X		UNIT : INCH [mm]	REV. : PA
DRAWN BY	DATE		FILE NAME	.XX		SCALE : N/A	SIZE : A4
QIN	01-31-07		08332X4RAV-FPA.DWG	.XXX	±0.004		PAGE : 5

bel COMPONENTS FOR A CONNECTED PLANET

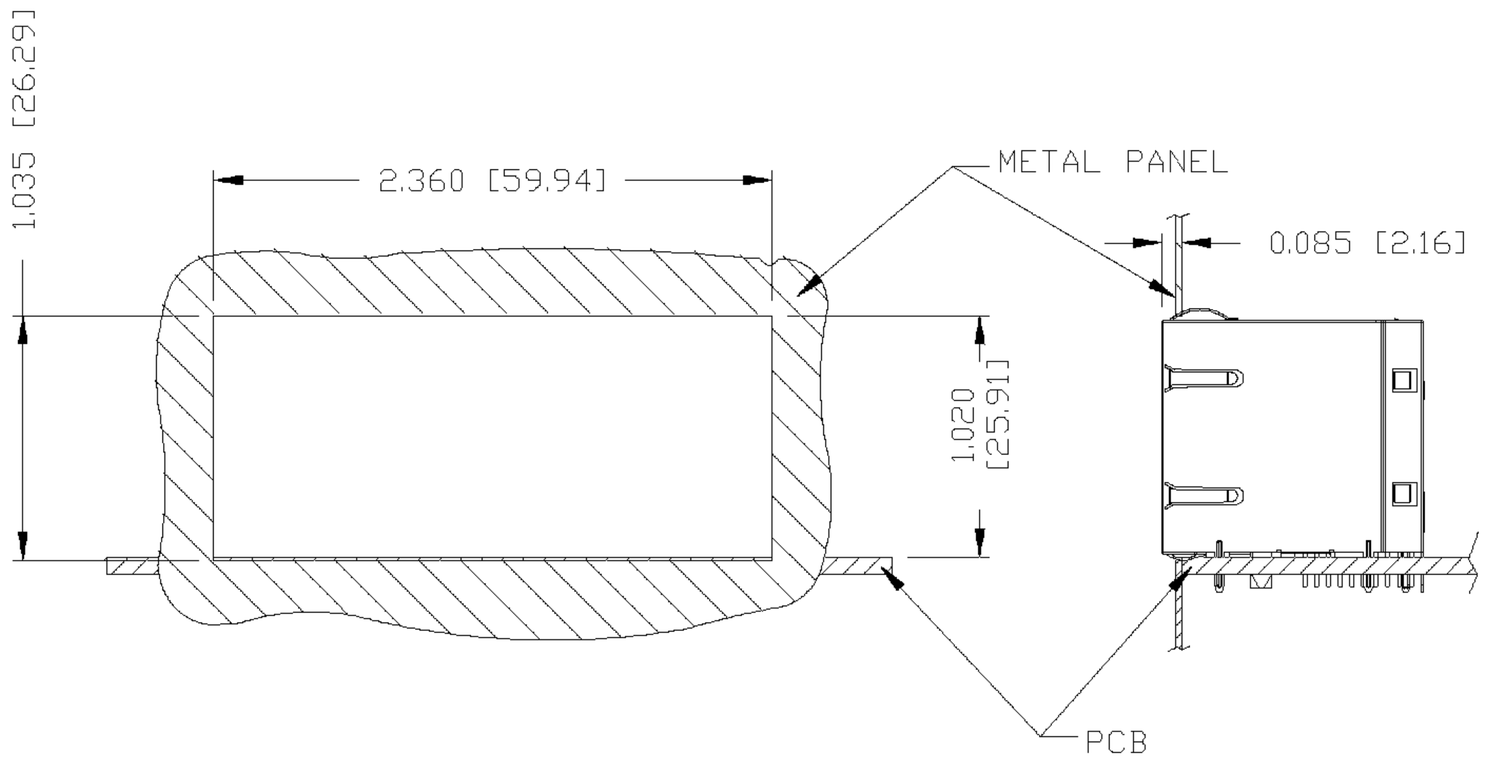
This document is electronically generated. This is a controlled copy if used internally

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.

PRELIMINARY

RoHS 2002/95/EC

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	
BILL	01-31-07	2X4 gigabit MagJack® (8 Cores) 0833-2X4R-AV-F	08332X4RAV-F	.X		UNIT : INCH [mm]	REV. : PA
DRAWN BY	DATE		FILE NAME	.XX		SCALE : N/A	SIZE : A4
QIN	01-31-07		08332X4RAV-FPA.DWG	.XXX	±0.004		PAGE : 6

bel COMPONENTS FOR A CONNECTED PLANET

This document is electronically generated. This is a controlled copy if used internally