

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.

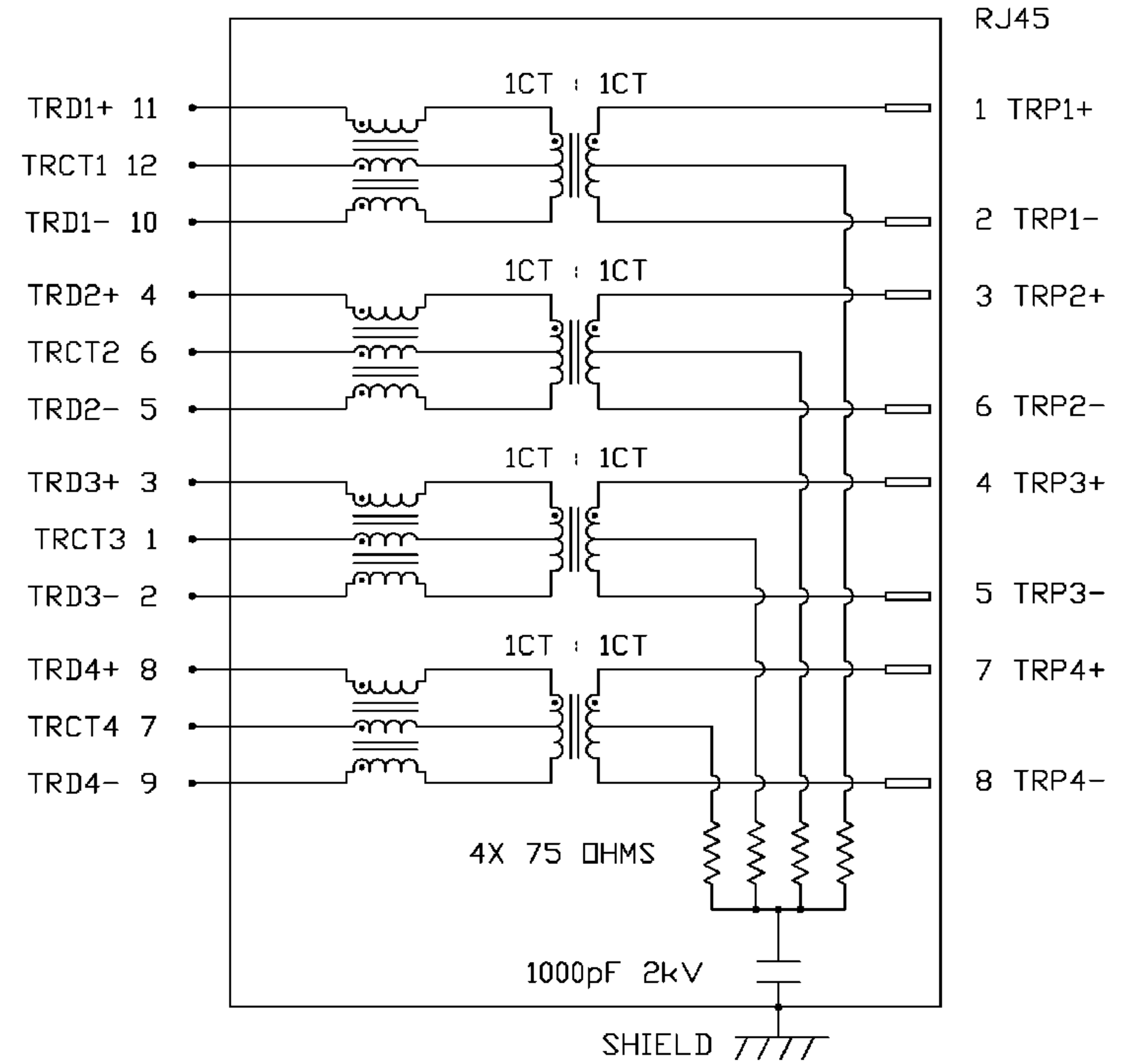
PRELIMINARY



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO	
TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%
DCL @ 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
CROSS TALK	
100kHz - 100MHz	-33+20LOG(f/100MHz)dB MIN
CM TO CM REJ	
100kHz - 100MHz	-30 dB MIN
CM TO DM REJ	
100kHz - 100MHz	-35 dB MIN
HIPOT (Isolation Voltage):	1500 Vrms

SCHEMATIC

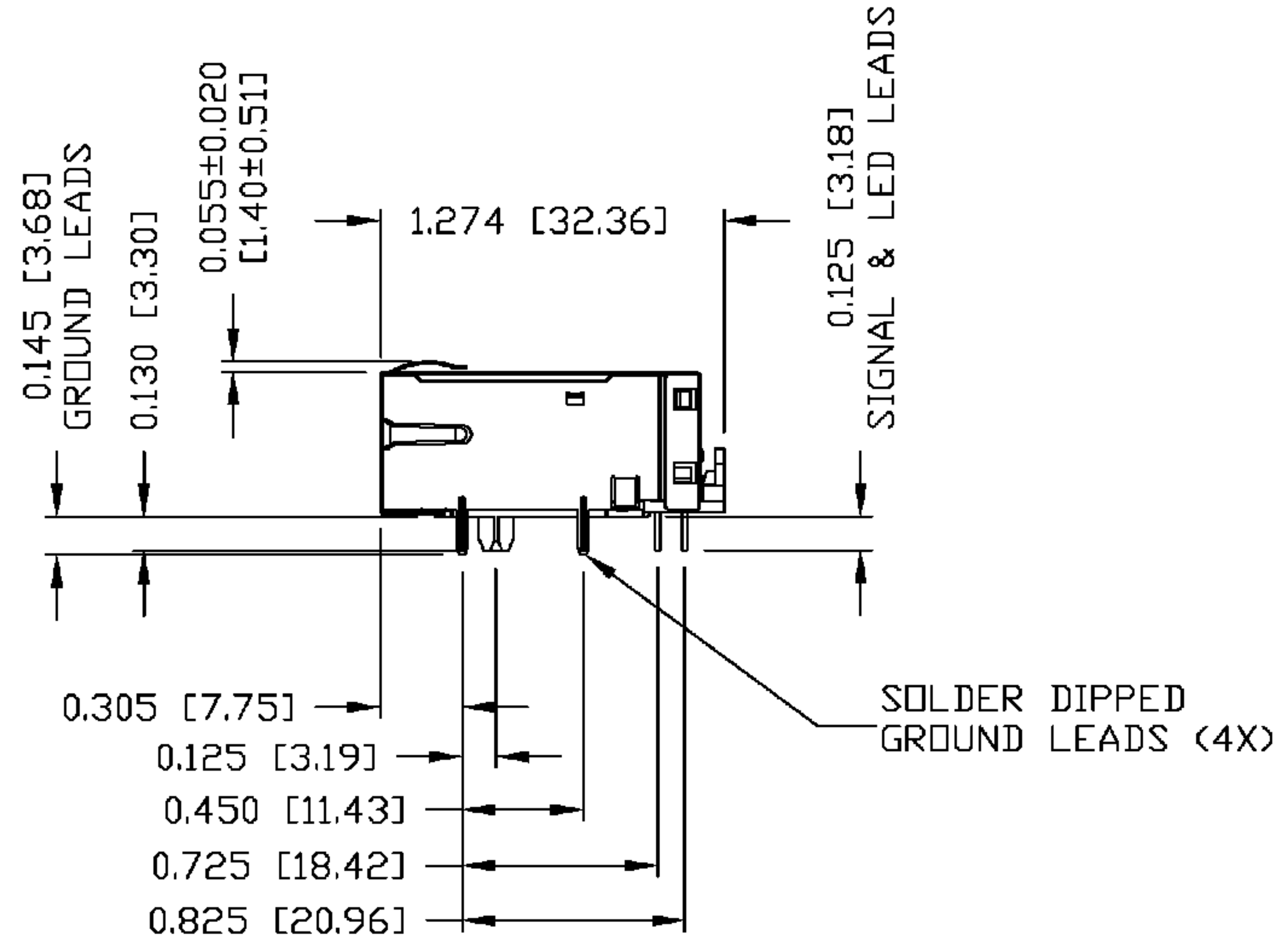
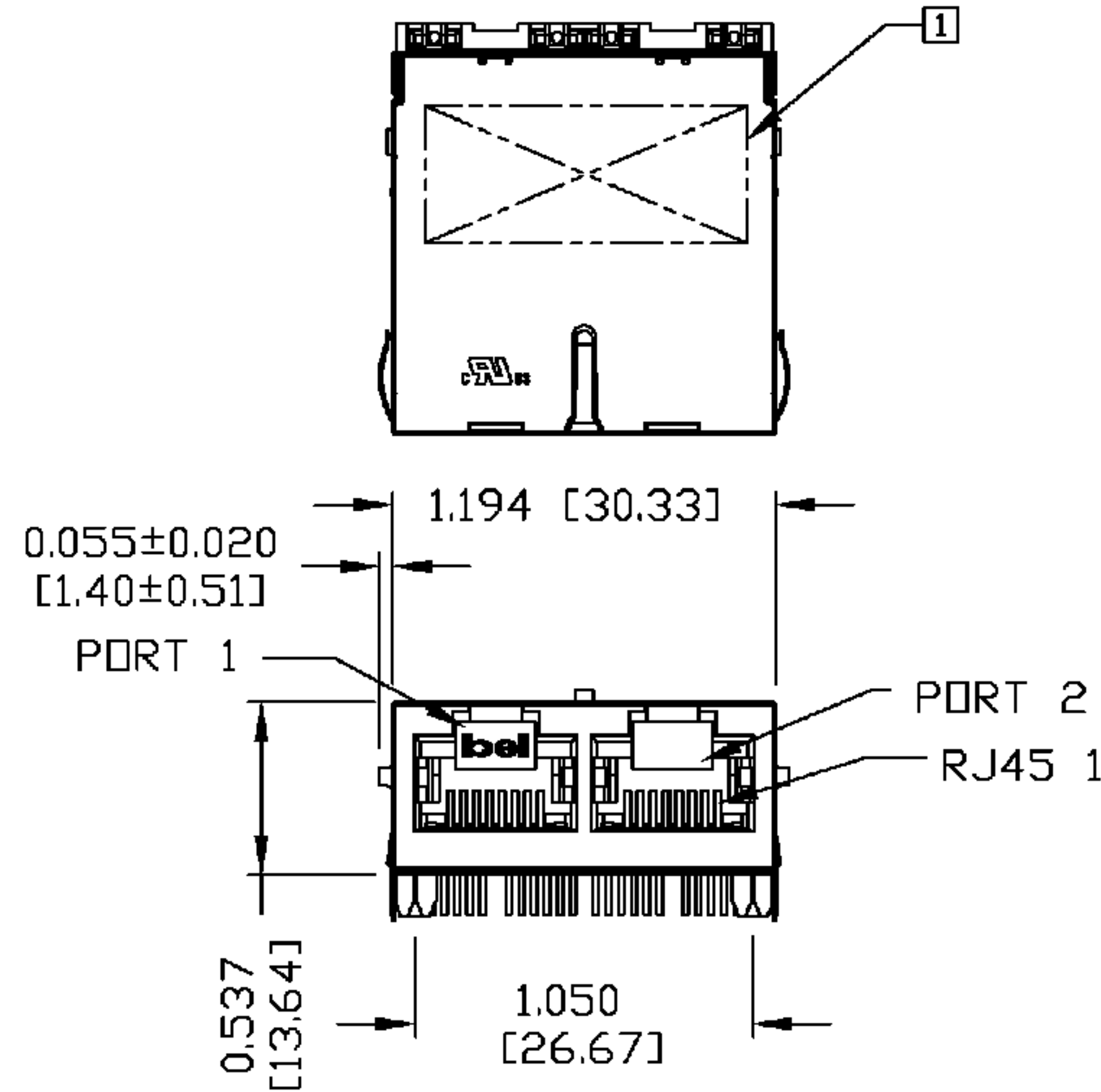


RJ45
 1 TRP1+
 2 TRP1-
 3 TRP2+
 6 TRP2-
 4 TRP3+
 5 TRP3-
 7 TRP4+
 8 TRP4-

ORIGINATED BY CHUNG	DATE 11-17-05	TITLE 1X2 gigabit MagJack® (TAB-UP W/O LED) 0816-1X2T-43-F	PART NO. / DRAWING NO. 08161X2T43-F	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A CONNECTED PLANET
DRAWN BY DE	DATE 11-17-05		FILE NAME 08161X2T43-FPA.DWG	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A	REV. : PA SIZE : A4 PAGE : 2	

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



NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT
 FLAMMABILITY RATING UL 94V-0
 CONTACTS PLATING: 30 MICRO-INCH HARD GOLD PLATING
 PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
 METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
 (ALL GROUND LEADS ARE SOLDER DIPPED)

☐ MARK PART WITH MFG LOGO, PART NUMBER, DATE CODE AND MFG NAME.

UL US UL RECOGNIZED - FILE #E196366 AND E169987.

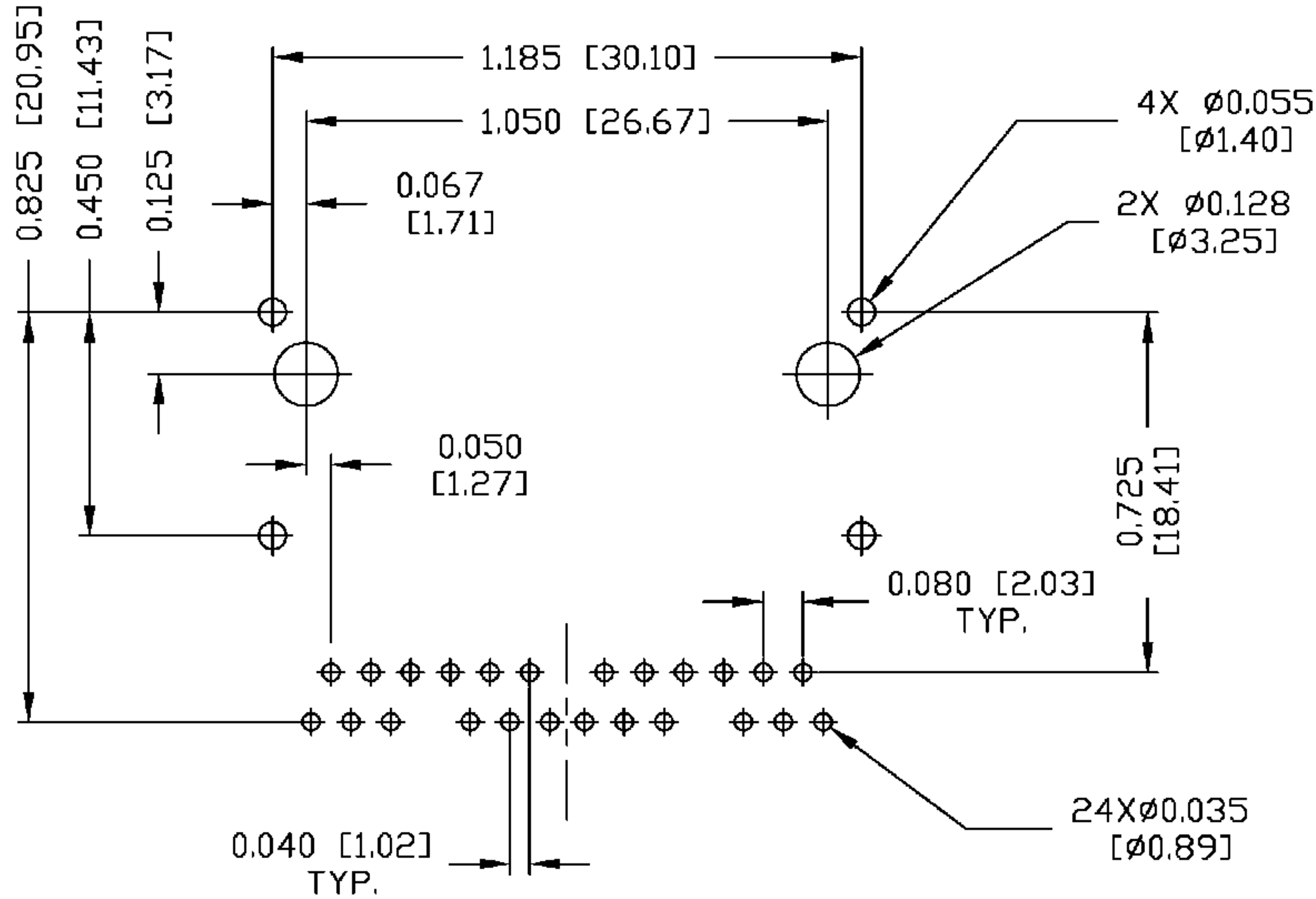
RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC

ORIGINATED BY BILL/ANTON	DATE 11-17-05	TITLE 1X2 glgabit MagJack® (TAB-UP W/O LED)	PART NO. / DRAWING NO. 08161X2T43-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
				.X		UNIT : INCH [mm]	REV. : PA
DRAWN BY CHRIS	DATE 11-17-05	0816-1X2T-43-F	FILE NAME 08161X2T43-FPA.DWG	.XX		SCALE : N/A	SIZE : A4
				.XXX	±0.010		PAGE : 3



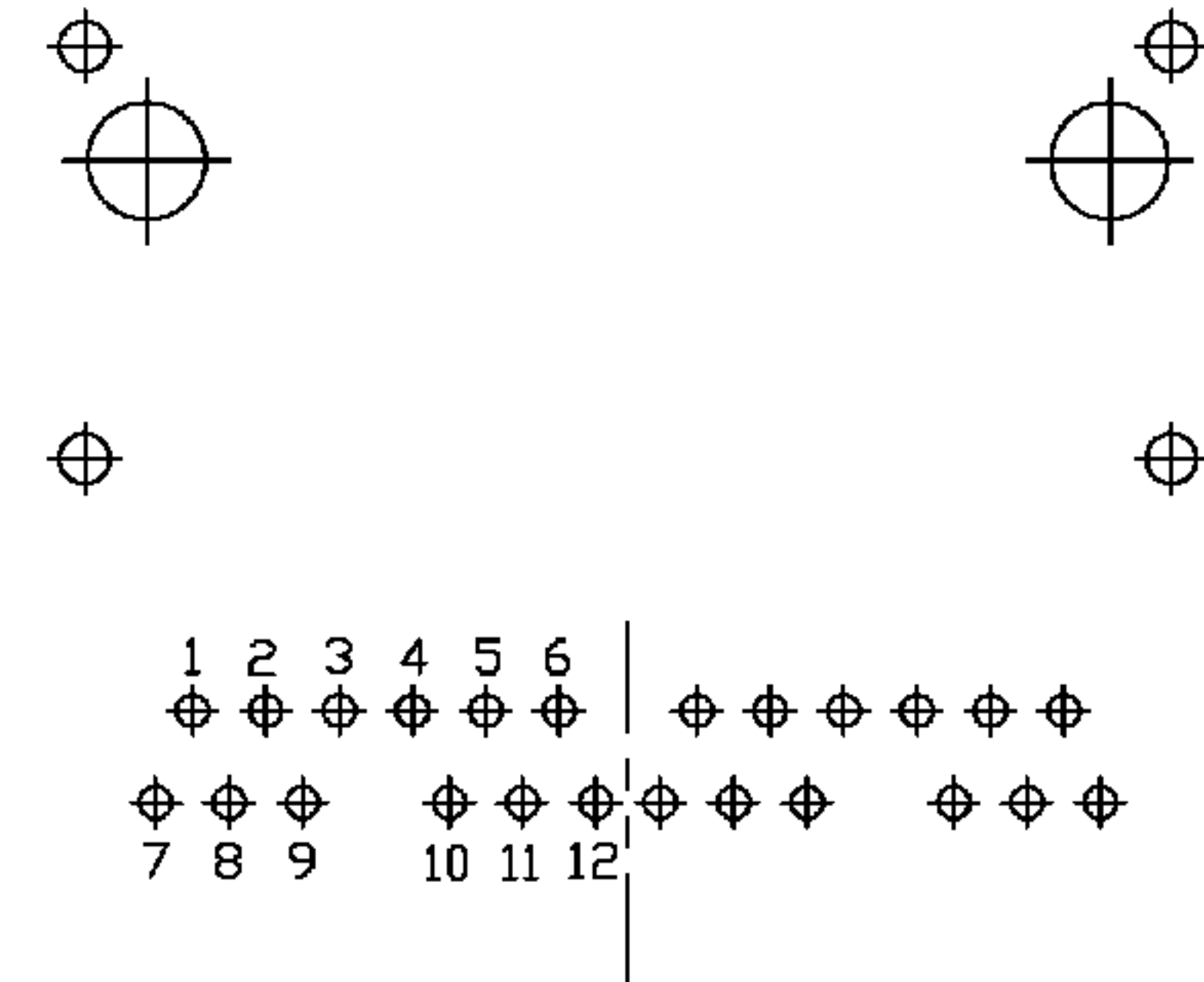
THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

PRELIMINARY



RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



PORT ASSIGNMENT
(COMPONENT SIDE VIEW)

ORIGINATED BY BILL/ANTON	DATE 11-17-05	TITLE 1X2 gigabit MagJack® (TAB-UP W/O LED) 0816-1X2T-43-F	PART NO. / DRAWING NO. 08161X2T43-F		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
	DRAWN BY CHRIS		DATE 11-17-05	FILE NAME 08161X2T43-FPA.DWG	.X .XX .XXX	±0.004	UNIT : INCH [mm]	REV. : PA
							SCALE : N/A	SIZE : A4
							PAGE : 4	

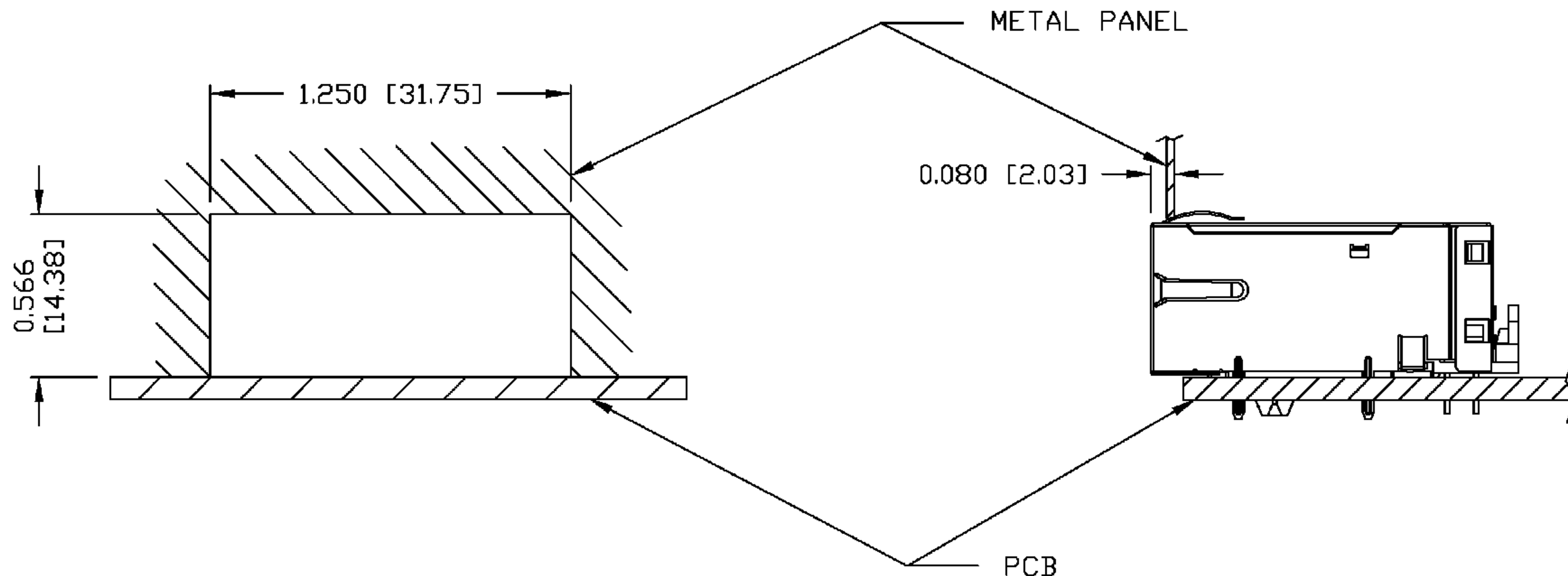


THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

PRELIMINARY



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: 0200-9999-I1 (TOP)
0200-9999-I2 (BOTTOM)

PACKING QUANTITY: 49 PCS FINISHED GOODS PER TRAY
8 TRAYS (392 PCS FINISHED GOODS) PER CARTON BOX.

NOTE: CARDBOARD ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX.
(INCLUDE THE UPPERMOST AND LOWEREST TRAY)

ORIGINATED BY BILL/ANTON	DATE 11-17-05	TITLE 1X2 gigabit MagJack® (TAB-UP W/O LED) 0816-1X2T-43-F	PART NO. / DRAWING NO. 08161X2T43-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
	DRAWN BY CHRIS			DATE 11-17-05	FILE NAME 08161X2T43-FPA.DWG	.X		
				.XX		SCALE : N/A	SIZE : A4	
			.XXX	±0.004		PAGE : 5		