

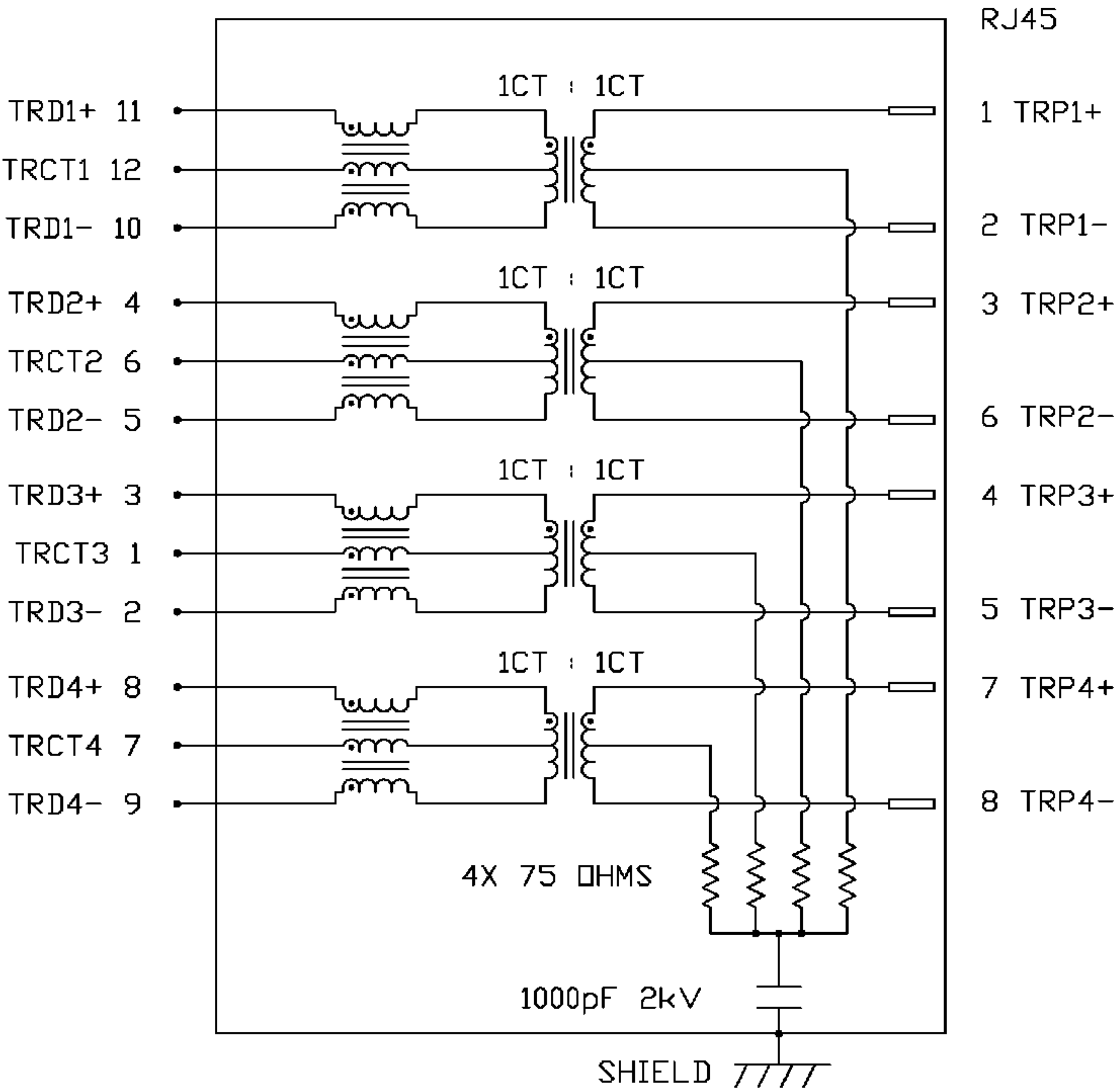


PRELIMINARY

ELECTRICAL CHARACTERISTICS @ 25°C

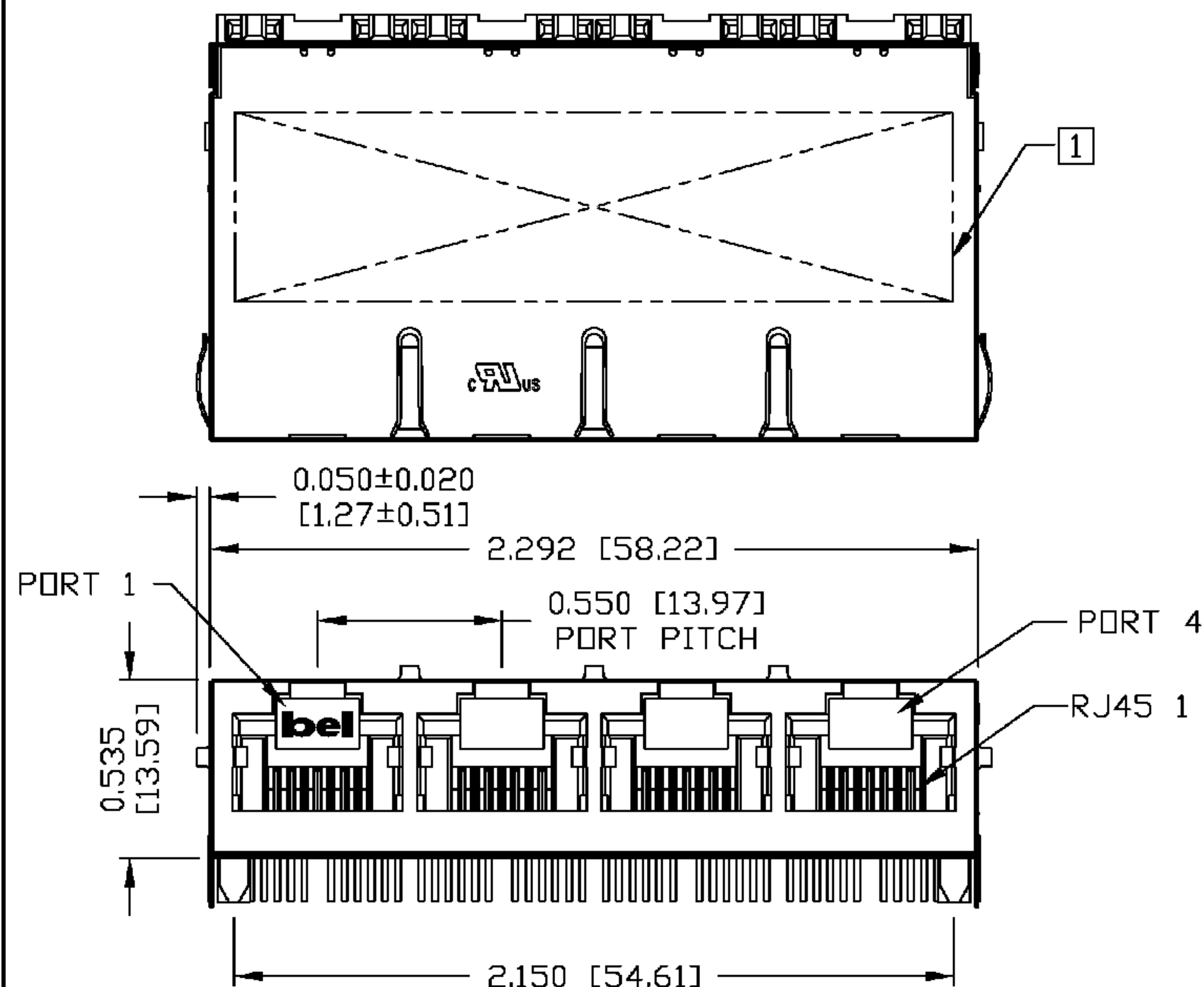
TURNS RATIO	
TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%
DCL @ 100kHz/100mVRMS 8mA DC BIAS	
350µH MIN.	
INS. LOSS	
0.1MHz TO 1MHz	-1.1 dB MAX
1MHz TO 65MHz	-0.5 dB MAX
65MHz TO 100MHz	-0.8 dB MAX
100MHz TO 125MHz	-1.2 dB MAX
RET. LOSS (MIN)	
0.5MHz-40MHz	-18 dB
40MHz-100MHz	-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



ORIGINATED BY	DATE	TITLE 1X4 gigabit MagJack® (TAB-UP W/□ LED) 0816-1X4T-43-F	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
CHUNG	11-18-05		08161X4T43-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : PA	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
DE	11-18-05		08161X4T43-FPA.DWG	.XX				
			.XXX					

PRELIMINARY



1 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

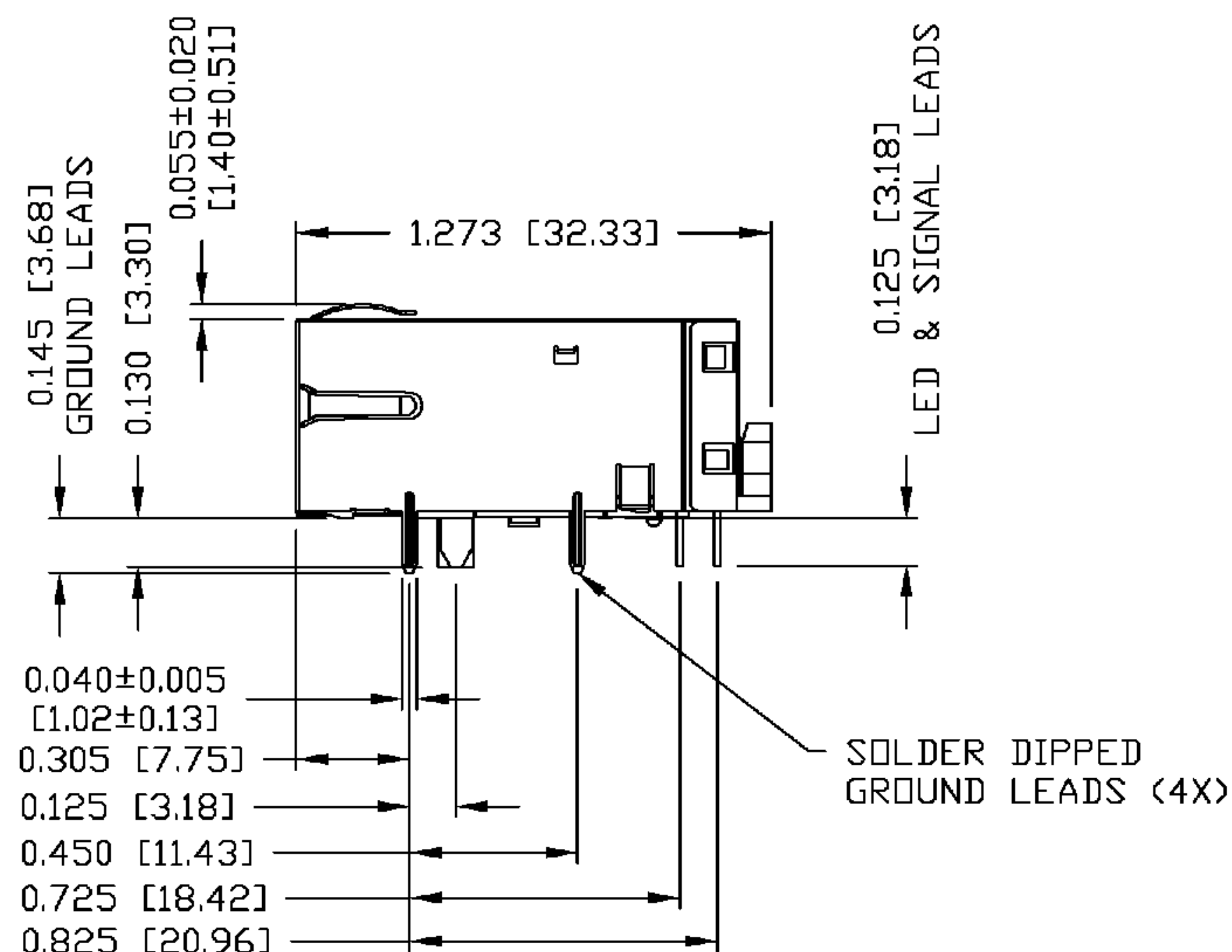
NOTES:

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

CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING

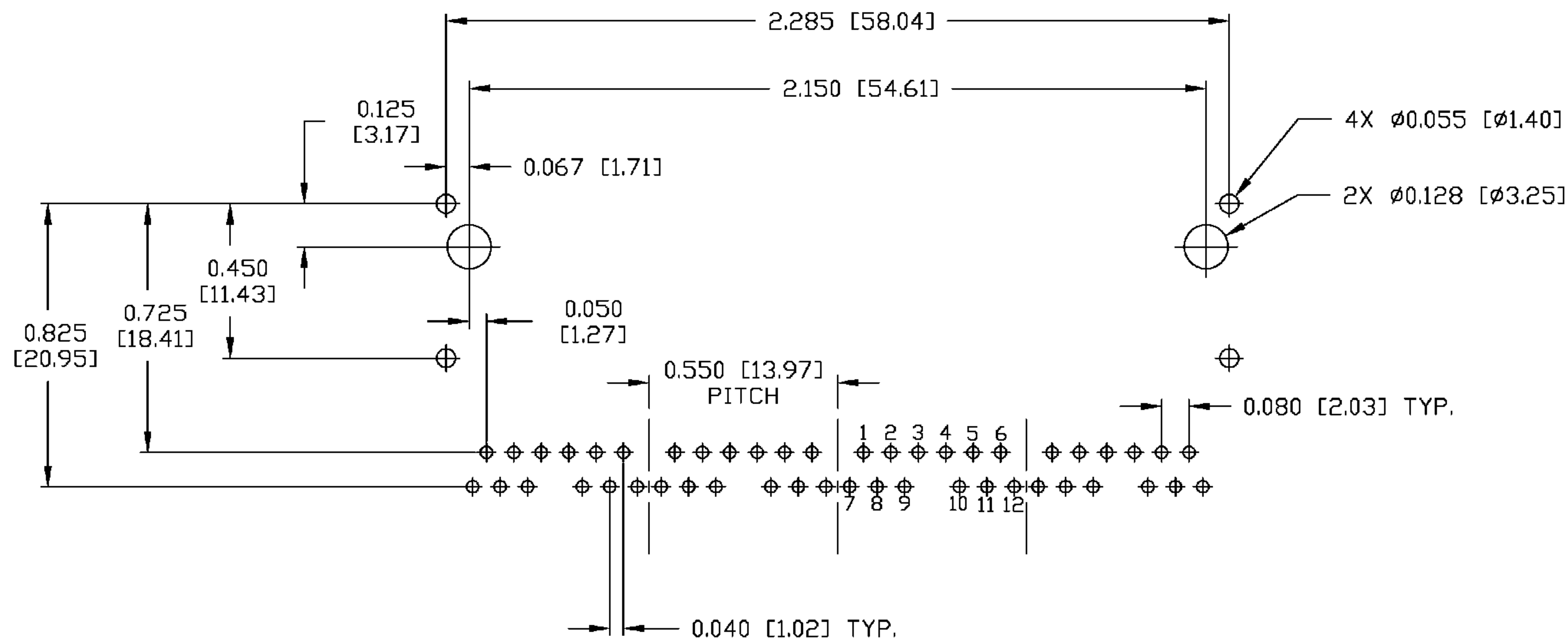
PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.

METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	 COMPONENTS FOR A CONNECTED PLANET
BILL	11-18-05	1X4 gigabit MagJack® (TAB-UP W/O LED) 0816-1X4T-43-F	08161X4T43-F		UNIT : INCH [mm]	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	
CHRIS	11-18-05		08161X4T43-FPA.DWG	.XX		
				.XXX	±0.010	PAGE : 3

PRELIMINARY

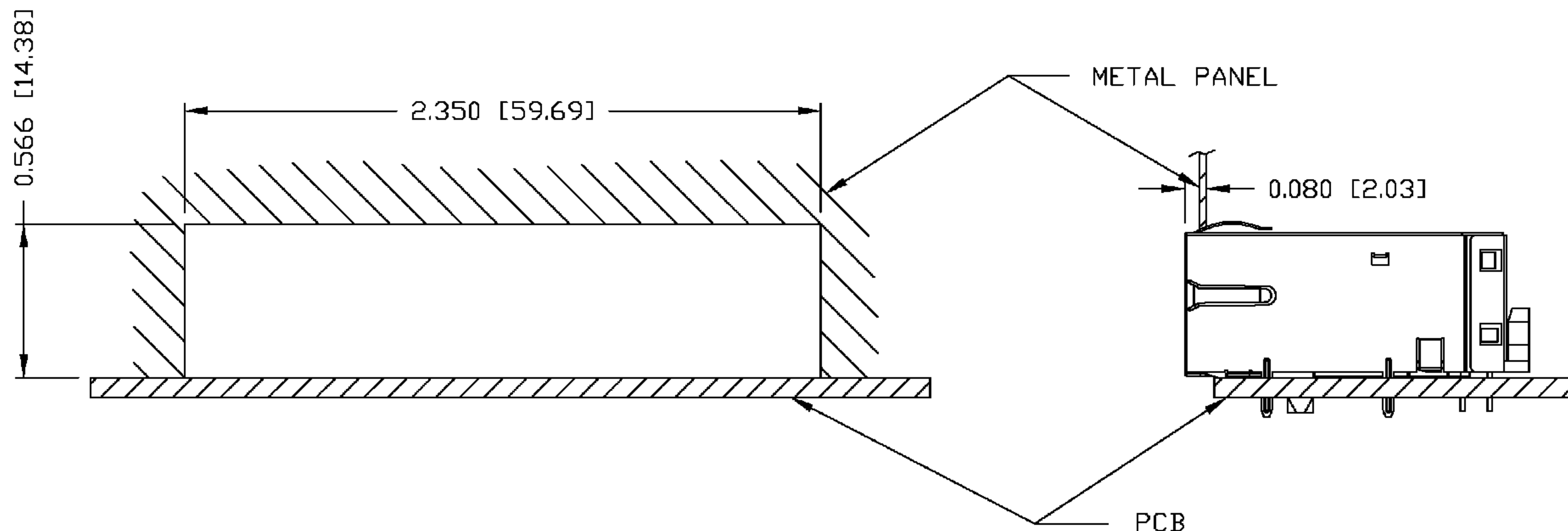


RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
BILL	11-18-05	1X4 gigabit MagJack® (TAB-UP W/Ø LED) 0816-1X4T-43-F	08161X4T43-F		UNIT : INCH [mm]	REV. : PA
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
CHRIS	11-18-05		08161X4T43-FPA.DWG	.XX .XXX	±0.004	PAGE : 4

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 : 0200-0148-55 OR 0200-9999-B4 (TOP)
0200-0148-56 OR 0200-9999-B5 (BOTTOM)

PACKING QUANTITY : 24 PCS FINISHED GOOD PER TRAY
10 TRAYS (240 PCS FINISHED GOOD) 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	11-18-05	1X4 gigabit MagJack® (TAB-UP W/O LED) 0816-1X4T-43-F	08161X4T43-F		UNIT : INCH [mm]	REV. : PA
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
CHRIS	11-18-05		08161X4T43-FPA.DWG	.XX .XXX	±0.004	PAGE : 5