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PRELIMINARY



SCHEMATIC

ELECTRICAL CHARACTERISTICS @ 25°C

TURN S RATIO

TP1	1CT : 1CT $\pm 2\%$
TP2	1CT : 1CT $\pm 2\%$
TP3	1CT : 1CT $\pm 2\%$
TP4	1CT : 1CT $\pm 2\%$

DCL @ 100kHz/100mVRMS

8mA DC BIAS

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

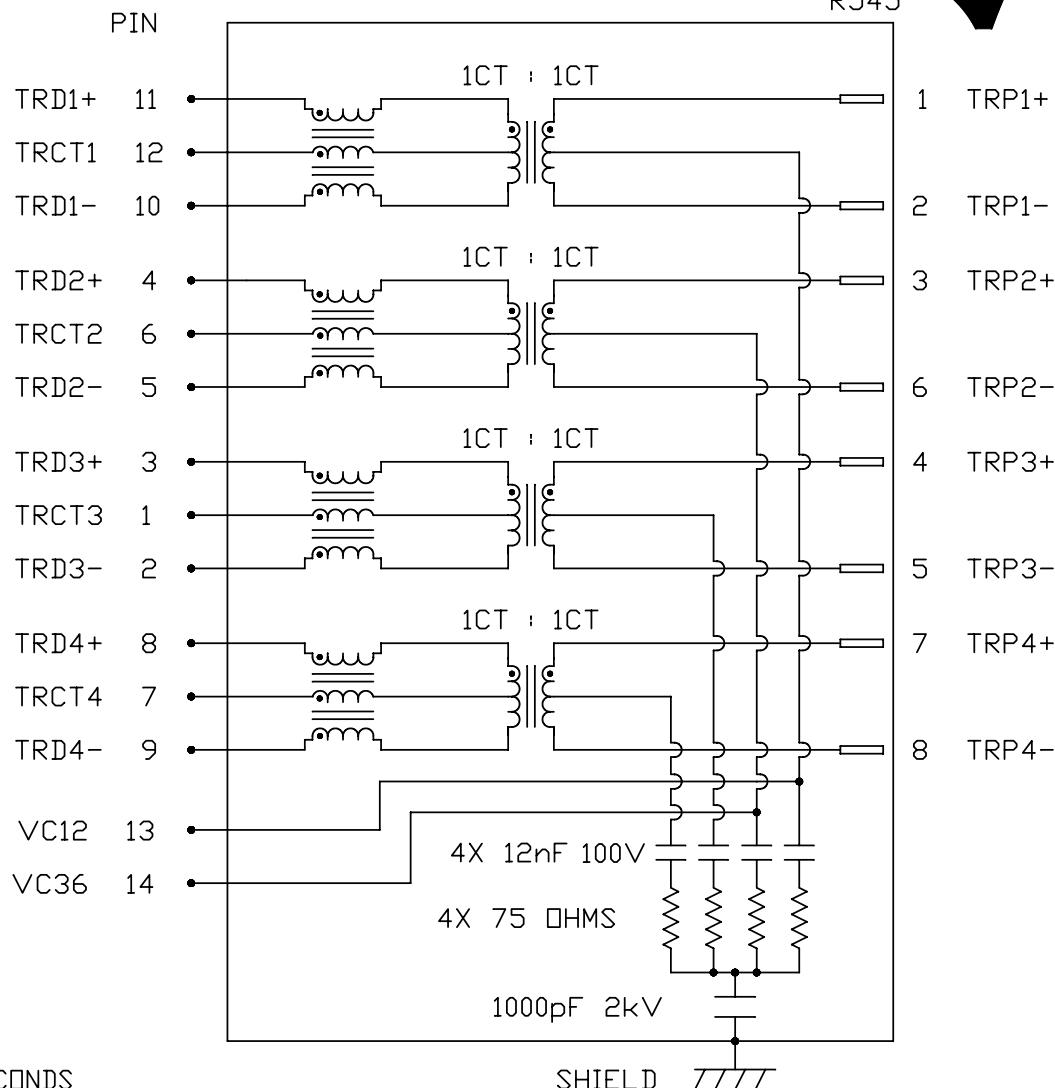
CM TO DM REJ

100kHz - 100MHz

HIPOT (Isolation Voltage): 2250 VDC
100% OF PRODUCTION TESTED TO COMPLY
WITH IEEE 802.3 ISOLATION REQUIREMENT

BALANCED DC LINE CURRENT 350 mA MAX. @ 57 VDC CONTINUOUS

500 mA MAX. @ 57 VDC FOR 200 MILLISECONDS



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
CHOW WANGCHUNG	06-01-09	gigabit MagJack® (PoE, Without LED)	08161X4T80-F	.X	UNIT : INCH [mm] REV. : PA
DRAWN BY	DATE	0816-1X4T-80-F	FILE NAME	.XX	SCALE : N/A SIZE : A4
LI YONGFENG	06-01-09	PATENTED	08161X4T80-F_PA.DWG	.XXX	PAGE : 2

DC002(2)051509

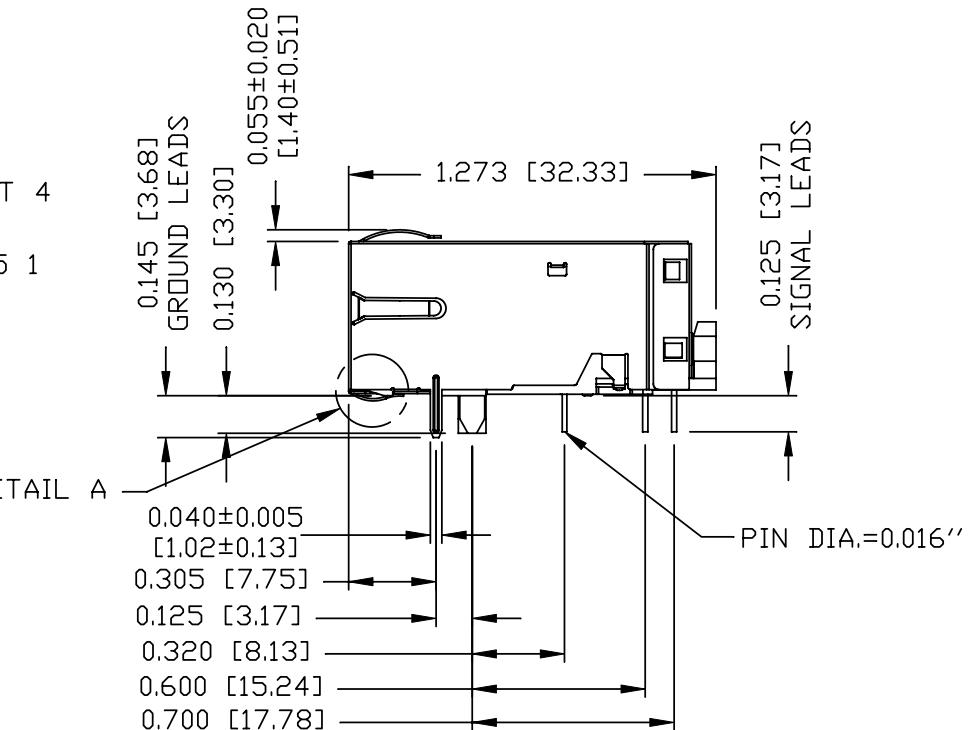
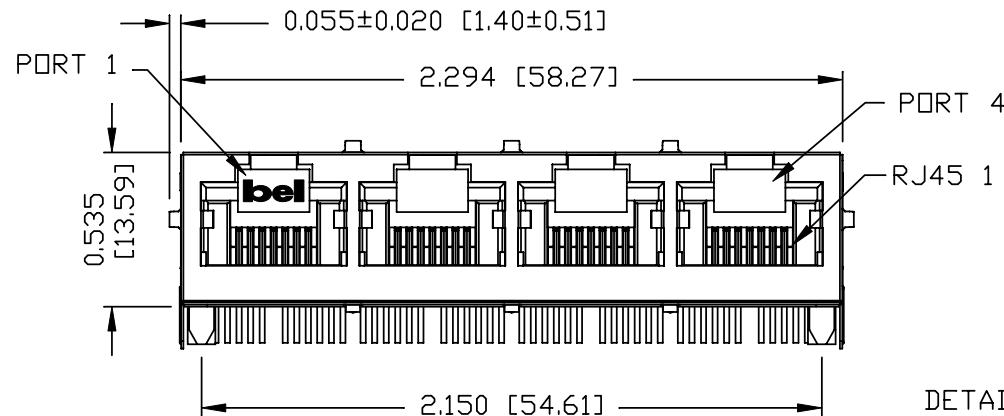
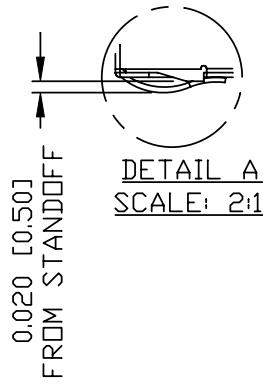
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bel
COMPONENTS FOR A CONNECTED PLANET

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PRELIMINARY

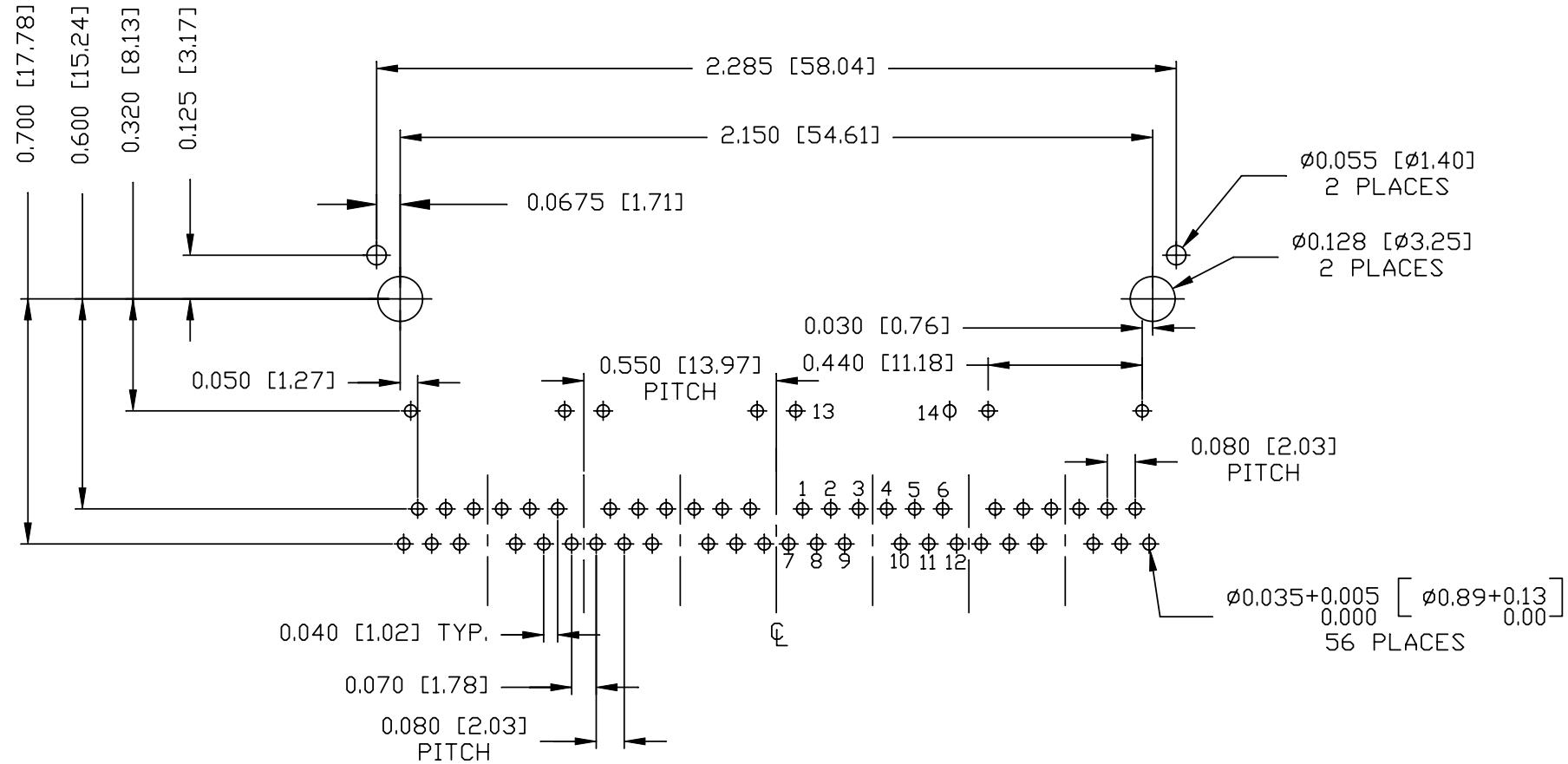


C^{RA}USUAL RECOGNIZED - FILE #E196366 AND E169987.
 2. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC
 3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
 4. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS
 U.S. PAT. 5,736,910.

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DRAWN BY	DATE				UNIT : INCH [mm]	REV. : PA
LIU QIN	06-01-09	gigabit MagJack® (PoE, Without LED)	08161X4T80-F	.X		
XIAN JIAJIN	06-01-09	08161X4T80-F PATENTED	08161X4T80-F_PA.DWG	.XX		SCALE : N/A
				.XXX	±0.010	SIZE : A4
						PAGE : 3

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RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW

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LIU QIN	06-01-09		PATENTED	.XX		SCALE : N/A	SIZE : A4
XIAN JIAXIN	06-01-09		08161X4T80-F_PA.DWG	.XXX	±0.004		PAGE : 4

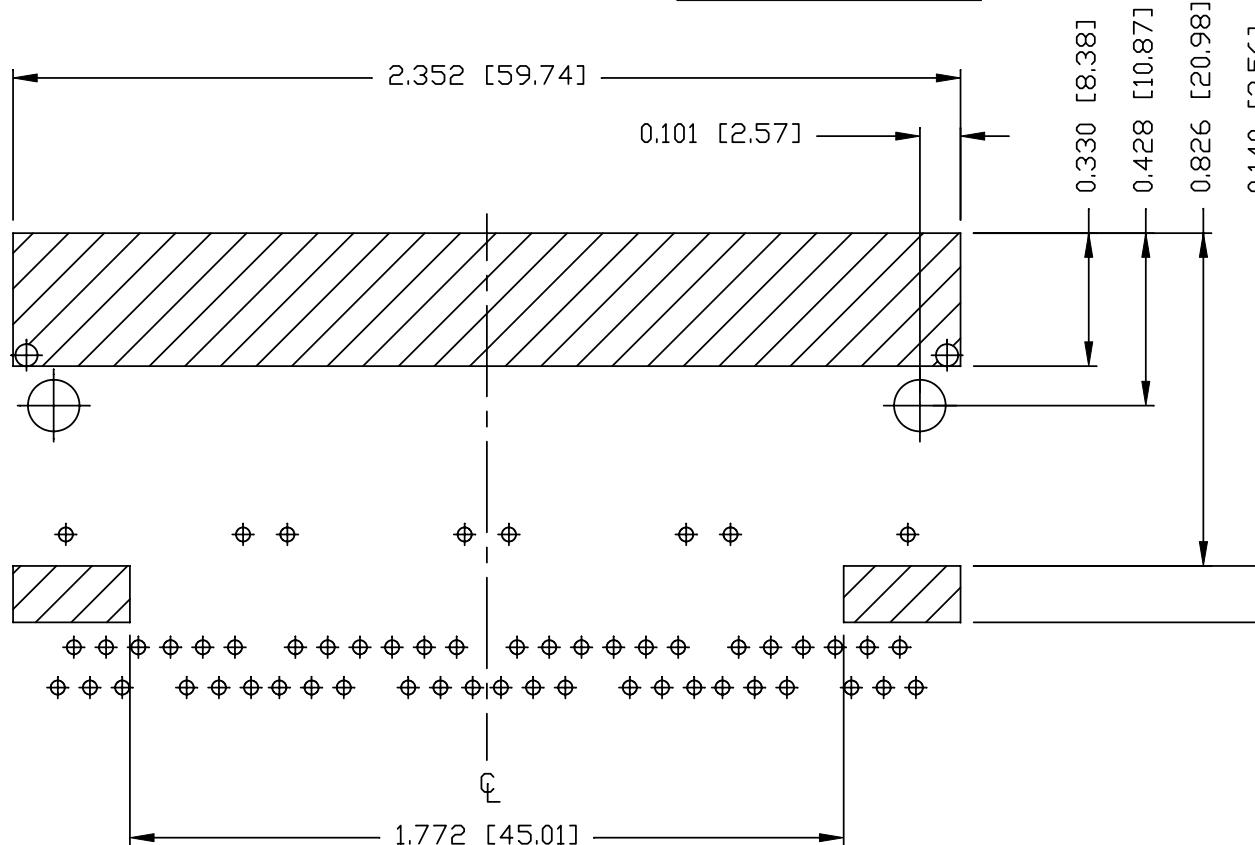
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NOTES

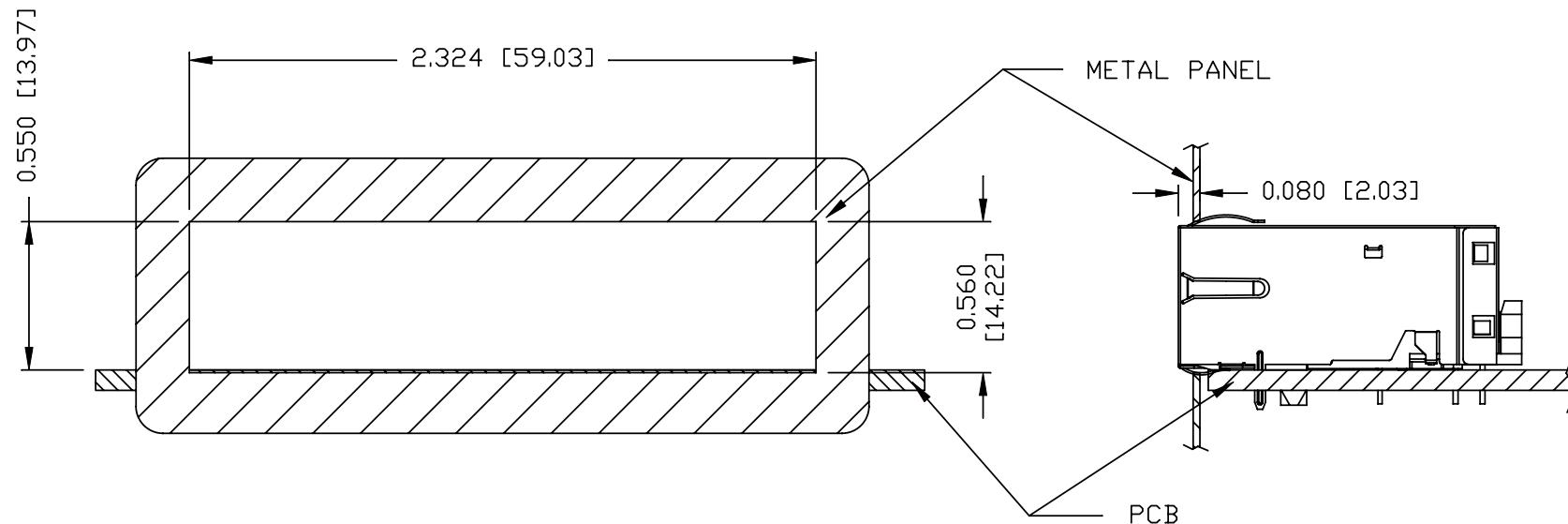
THE SHADED AREA ON THE CUSTOMER BOARD ARE
 RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR
 COMPONENT PAD.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE		bel
DRAWN BY	DATE		08161X4T80-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : PA	
LIU QIN	06-01-09	gigabit MagJack® (PoE, Without LED)		.X			
XIAN JIAXIN	06-01-09	0816-1X4T-80-F PATENTED	08161X4T80-F_PA.DWG	.XX			COMPONENTS FOR A CONNECTED PLANET
.XXX ±0.004							

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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 : 0200-9999-B4 (TOP)
 0200-9999-B5 (BOTTOM)

PACKING QUANTITY : 24 PCS FINISHED GOODS PER TRAY
 10 TRAYS (240 PCS FINISHED GOODS) PER CARTON BOX

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

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XIAN JIAJIN	06-01-09	0816-1X4T-80-F PATENTED	08161X4T80-F_PA.DWG	.XX		SCALE : N/A
				.XXX	±0.004	SIZE : A4
						PAGE : 6