

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 $\pm 2\%$

Δ CL @ 100kHz/100mVRMS

8mA DC BIAS	350 μ H MIN.
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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

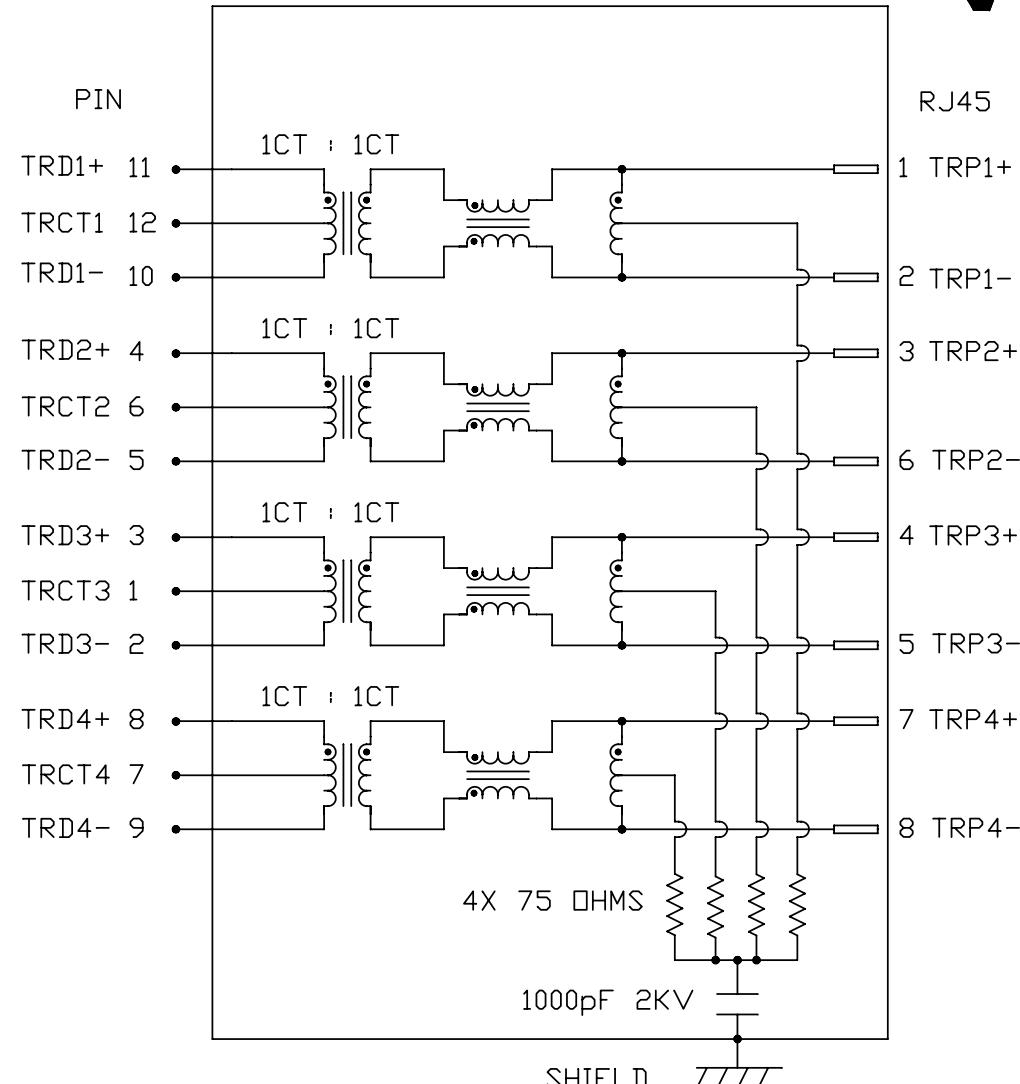
CM TO CM REJ

100kHz - 100MHz	-30 dB MIN
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CM TO DM REJ

100kHz - 100MHz	-35 dB MIN
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HIPOT (Isolation Voltage): 1500 Vrms or 2250VDC
100% OF PRODUCTION TESTED TO COMPLY WITH
IEEE 802.3 ISOLATION REQUIREMENTS.



ORIGINATED BY	DATE
CHOW WANCHUNG	2012-08-03
DRAWN BY	DATE
TAN QIGUANG	2012-08-03

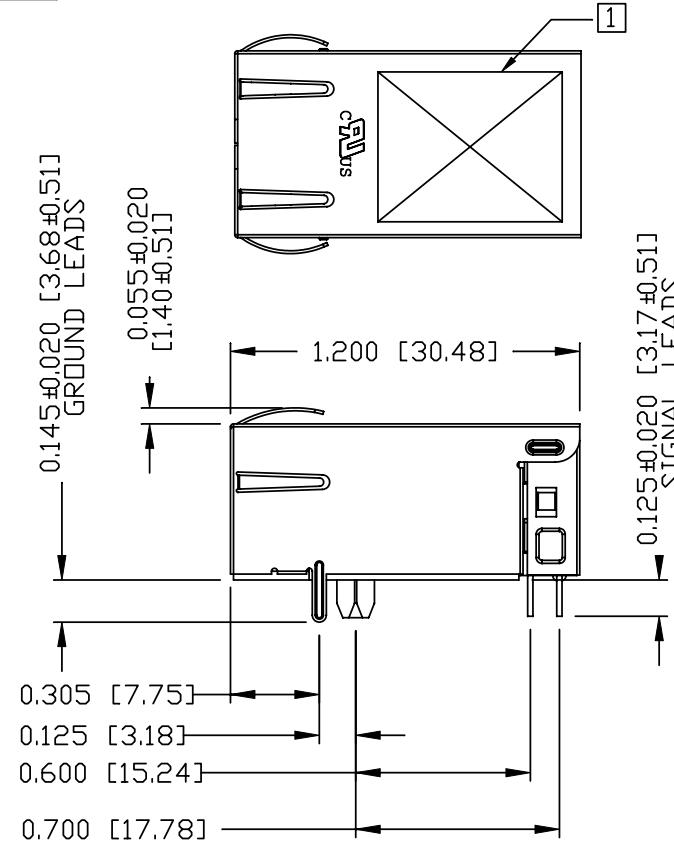
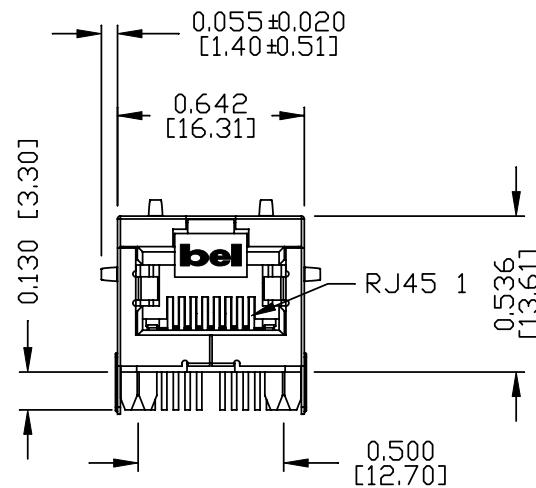
TITLE gigabit MagJack®
(12 Cores, Tab Up, w/o LED)
PART NO. / DRAWING NO. 08161X1T23-F
FILE NAME 08161-1X1T-23-F
PATENTED

STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
TOL. IN INCH	UNIT : INCH [mm]	REV. : C
.X		
.XX	SCALE : N/A	SIZE : A4
.XXX		PAGE : 2

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'PROPRIETARY' TO BEL FUSE INC. AND SHALL NOT BE
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MECHANICAL SPECIFICATION

RoHS



NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA

FLAMMABILITY RATING UL 94V-0

CONTACTS:

50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.

OUTPUT PINS:

TIN-COATED COPPER WIRE, DIA 0.016
AND DIA 0.018 INCH.

METAL SHIELD:

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

1] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER,
DATE CODE AND PATENTED.

UL RECOGNIZED - FILE #E196366 AND E169987.
 2. THE PRODUCT IS RoHS COMPLIANT.
 3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
 4. THE PRODUCT IS PATENTED. THE PATENT NUMBER IS
U.S. PAT. 5,736,910.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
DRAWN BY	DATE		FILE NAME	UNIT : INCH [mm]	REV. : C	SCALE : N/A
ANTON LIAO	2012-08-03	gigabit MagJack® (12 Cores, Tab Up, w/o LED)	08161X1T23-F	.X		
HE ZHEN	2012-08-03	0816-1X1T-23-F PATENTED	08161X1T23-F_C.DWG	.XX		
				.XXX	±0.010	

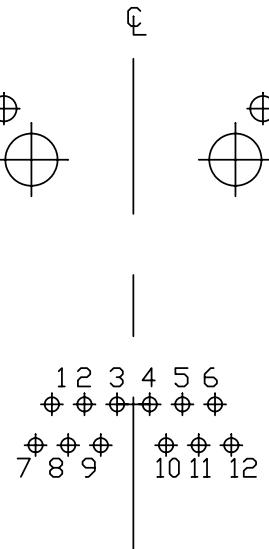
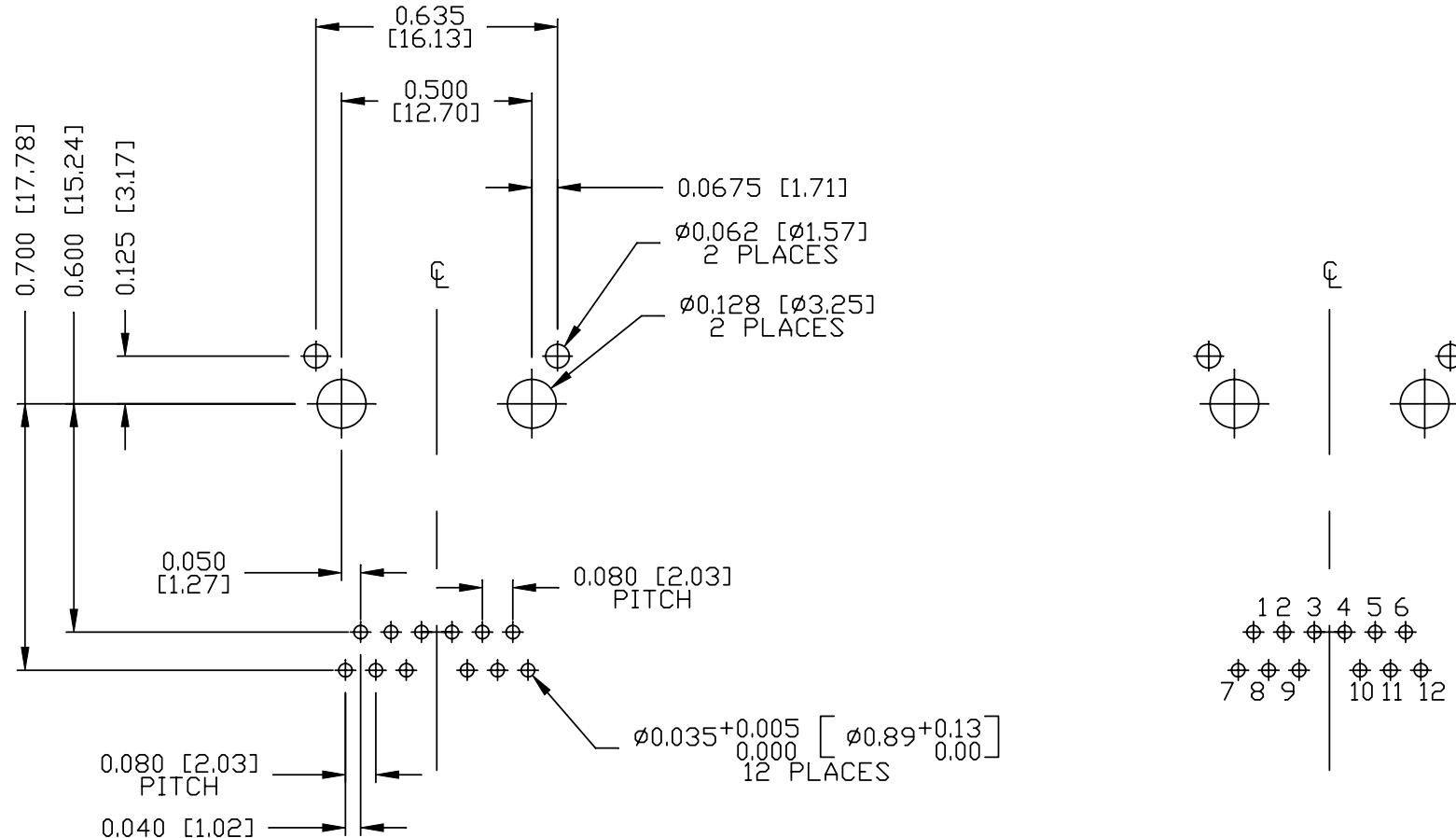
bel
COMPONENTS FOR A
CONNECTED PLANET™

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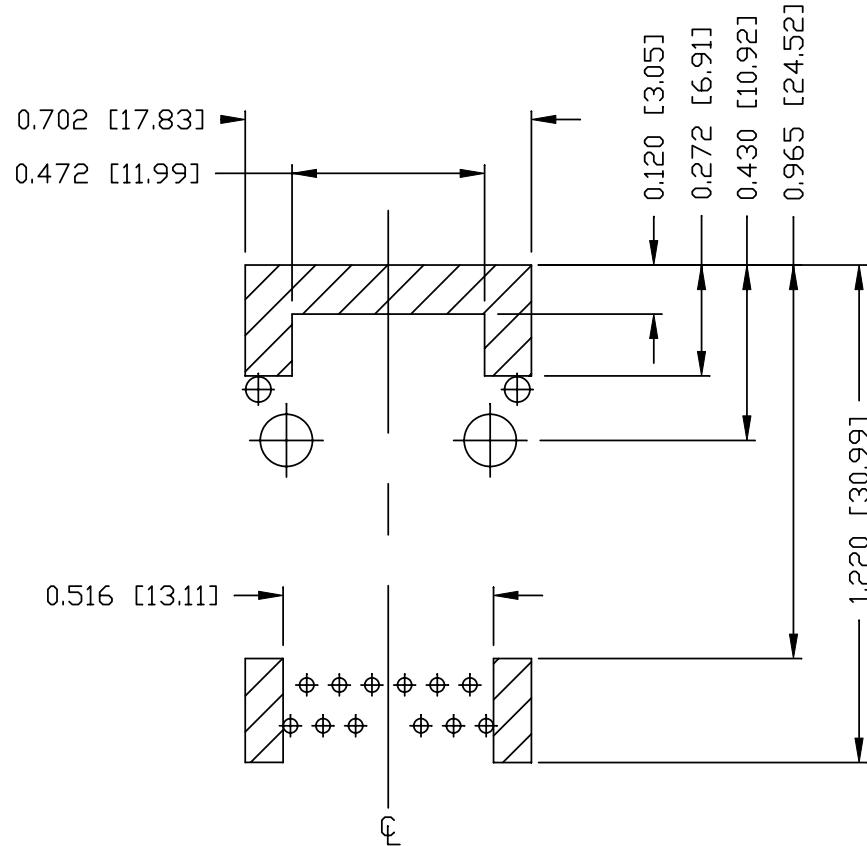
RoHS



RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



ORIGINATED BY ANTON LIAO	DATE 2012-08-03	TITLE gigabit MagJack® (12 Cores, Tab Up, w/o LED) DRAWN BY HE ZHEN	PART NO. / DRAWING NO. 08161X1T23-F	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
			FILE NAME 08161X1T23-F_C.DWG	.X	UNIT : INCH [mm] REV. : C	
				.XX	SCALE : N/A SIZE : A4	
DC002(2)081111				.XXX	±0.004	PAGE : 4

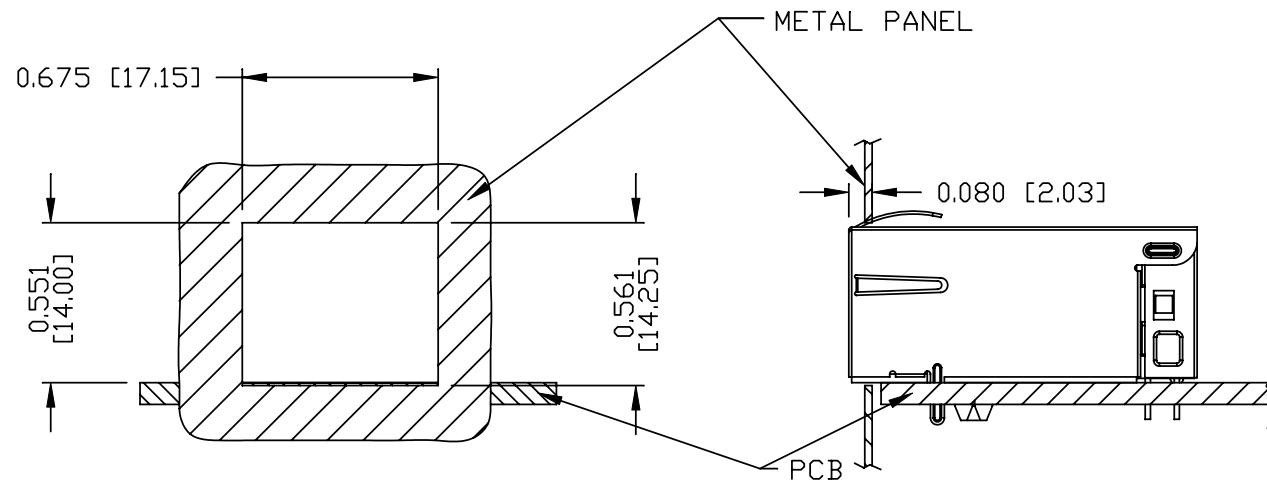


NOTES

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

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				.XX	SCALE : N/A	SIZE : A4
				.XXX	±0.004	PAGE : 5

SUGGESTED PANEL OPENING



NOTE:

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-F1 (TOP)
 0200-9999-F2 (BOTTOM)

PACKING QUANTITY : 40 PCS FINISHED GOODS PER TRAY
 10 TRAYS (400 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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				.XX	SCALE : N/A	SIZE : A4
				.XXX	±0.004	PAGE : 6

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bel:

[0826-1A4T-23-F](#) [0843-2B1T-33-F](#) [0813-1X1T-23-F](#) [08B1-1X1T-36-F](#) [S811-1X1T-A4-F](#) [0826-1K1T-23-F](#) [0833-2X4R-59-F](#) [L826-1X4T-23-F](#) [L826-1X1T-23-F](#) [0826-1G4T-23-F](#) [0833-2X1T-33-F](#) [0826-1C4T-23-F](#) [08B0-1XX1-03-F](#) [S811-1X1T-03-F](#) [0833-2X8R-33-F](#) [0816-1X1T-23-F](#) [0826-1C1T-23-F](#) [0854-2X4R-JD-F](#) [0843-2BIT-Y1-F](#) [0810-2H4R-28-F](#) [0838-1X1T-W6](#) [0843-2B1T-33H-F](#) [0838-1X1T-W6](#)