



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# INTEGRATED CONNECTOR MODULES

## 0816-1X1T-80-F Gigabit Power over Ethernet Single Port MagJack®



### 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.
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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

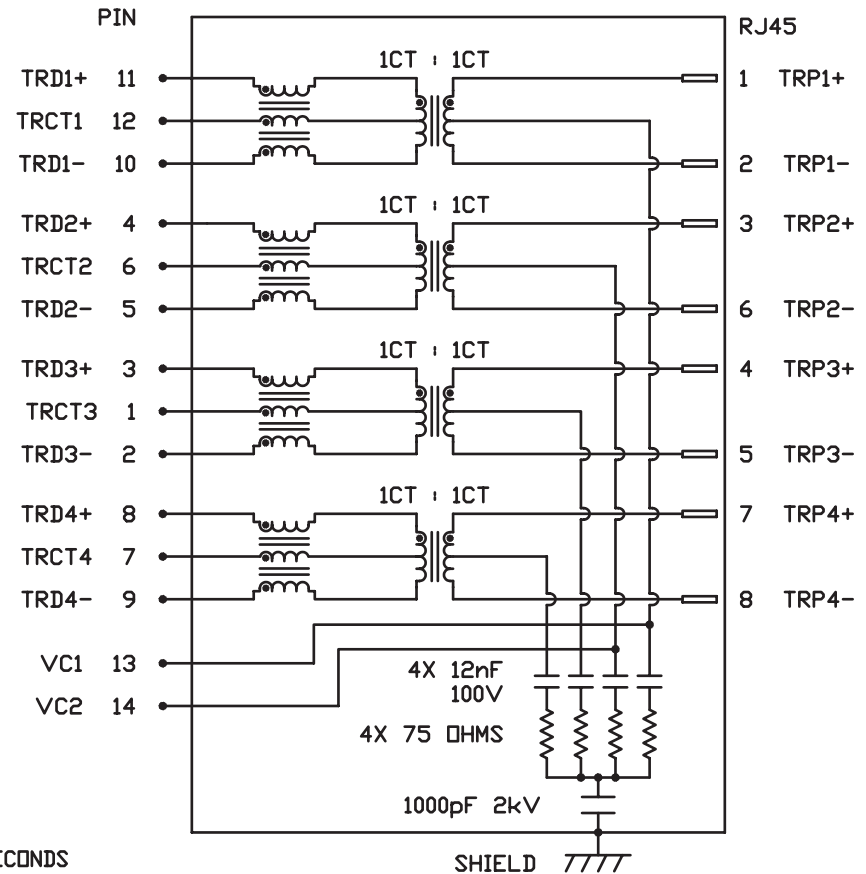
100kHz - 100MHz	-35 dB MIN
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#### HIPOT (Isolation Voltage):

2250 Vrms
100% OF PRODUCT TESTED IN PRODUCTION

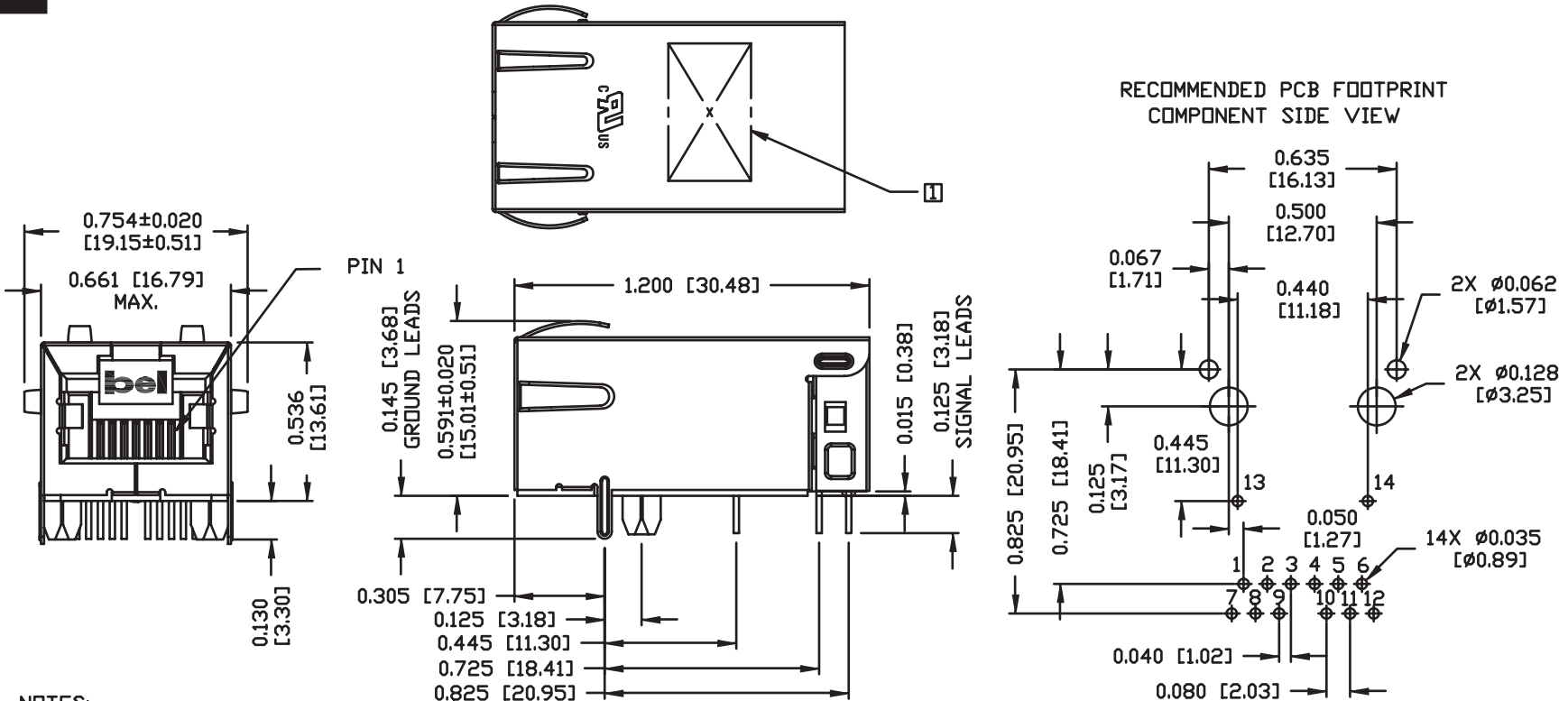
#### BALANCED DC LINE CURRENT

350 mA MAX. @ 57 VDC CONTINUOUS
500 mA MAX. @ 57 VDC FOR 200 MILLISECONDS



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**NOTES:**

- PLASTIC HOUSING: THERMOPLASTIC PA 4/6
- CONTACTS: FLAMMABILITY RATING UL 94V-0
- OUTPUT PINS: 50 MICRO-INCH HARD GOLD PLATING
- METAL SHIELD: TIN-COATED COPPER WIRE, DIA 0.016 INCH AND 0.018 INCH.
- METAL SHIELD: NICKEL OR TIN PLATED ON COPPER ALLOY.
- (NICKEL GROUND LEADS ARE SOLDER DIPPED)

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

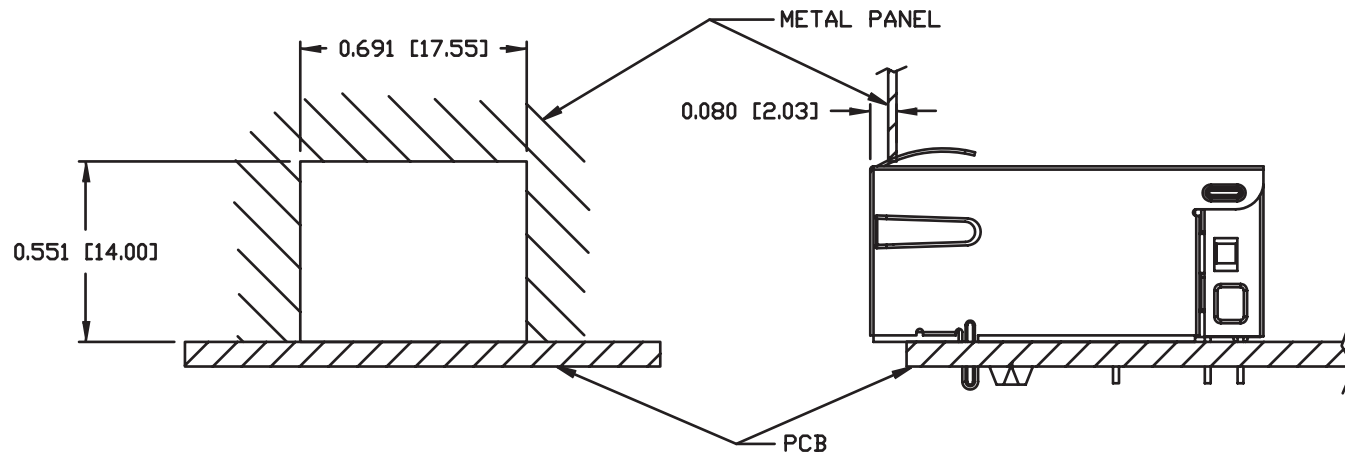
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RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC

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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-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)