



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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RoHS
2002/95/EC



PRELIMINARY

ELECTRICAL CHARACTERISTICS @ 25°C

1.0 TURNS RATIO:

(P6-P5-P4) : (J6-J3) 1CT : 1CT $\pm 3\%$
(P3-P2-P1) : (J2-J1) 1CT : 1CT $\pm 3\%$

2.0 INDUCTANCE:

P6-P4 350 μ H MIN. @ 0.1V, 100KHz, 8mA DC BIAS
P3-P1 350 μ H MIN. @ 0.1V, 100KHz, 8mA DC BIAS

3.0 LEAKAGE INDUCTANCE:

P6-P4 (WITH J6 & J3 SHORT) 0.3 μ H MAX @ 1MHz
P3-P1 (WITH J2 & J1 SHORT) 0.3 μ H MAX @ 1MHz

4.0 INERWINDING CAPACITANCE:

(P6,P5,P4) TO (J6,J3) 30pf MAX @ 1MHz
(P3,P2,P1) TO (J2,J1) 30pf MAX @ 1MHz

5.0 DC RESISTANCE:

(J6-J3)=(J2-J1) 1.2 OHMS MAX.

6.0 RETURN LOSS: 100 OHM REF.

1MHz TO 30MHz 18dB MIN.
60MHz TO 80MHz 12dB MIN.

7.0 VOLTAGE WITHSTAND:

(J1, J2) TO (P1, P3) 1500 VAC
(J3, J6) TO (P4, P6) 1500 VAC

8.0 INSERTION LOSS: RS=RL=100 OHMS
100KHz TO 100MHz

1.1dB TYP.

9.0 RISE TIME:

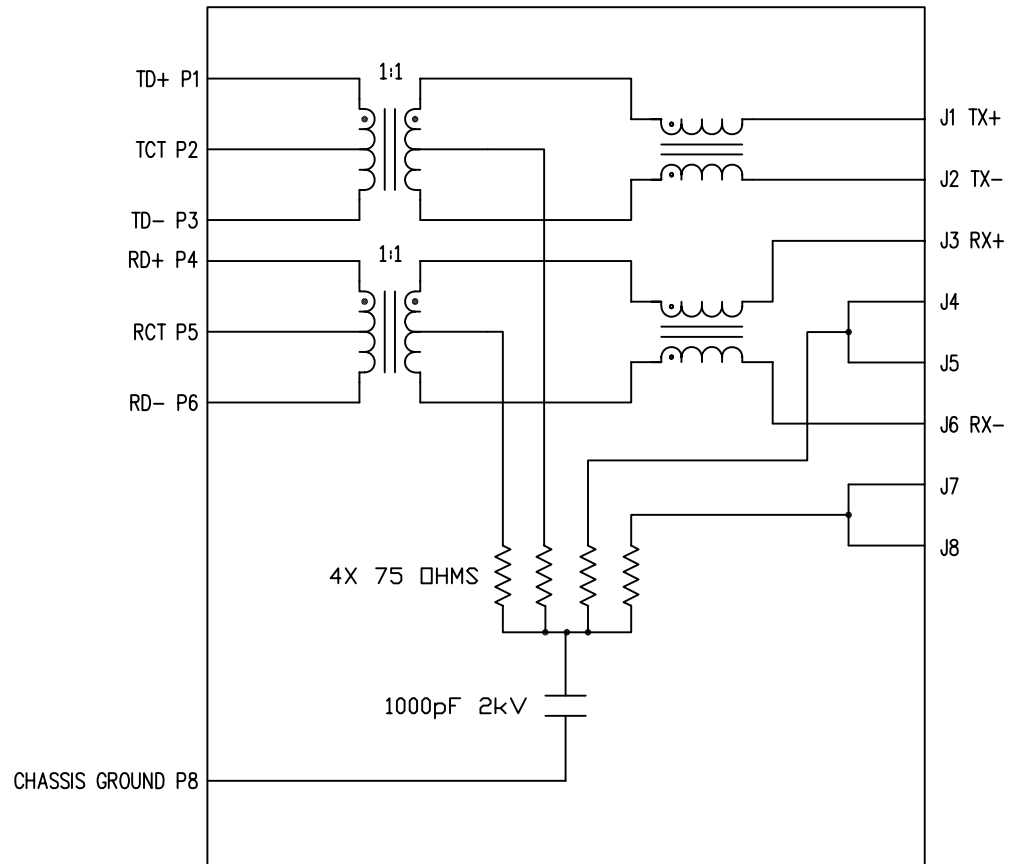
RS=100 OHMS AND RL=100 OHMS
OUTPUT VOLTAGE=1V PEAK 3.0 nS MAX
PULSE WIDTH = 112nS 3.0 nS MAX

10.0 CROSS TALK:

1MHz TO 100 MHz 40dB TYP.

11.0 CM TO CM ATTENUATION
30MHz TO 100MHz

35dB TYP.



NOTES

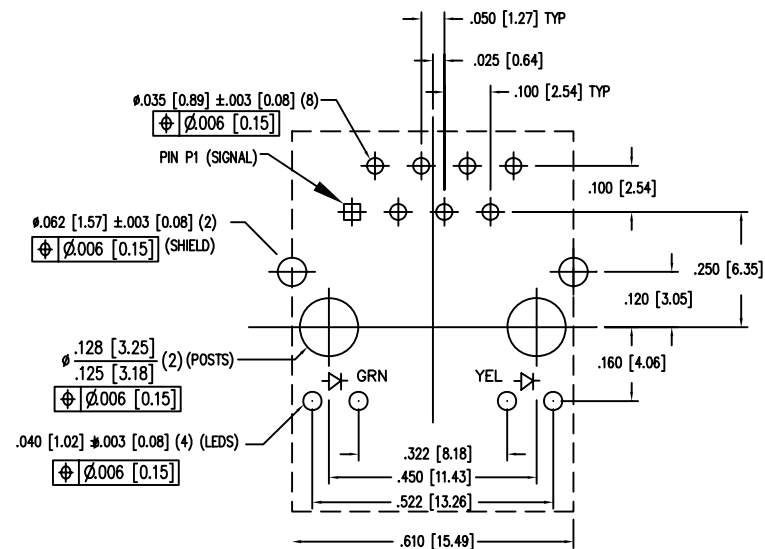
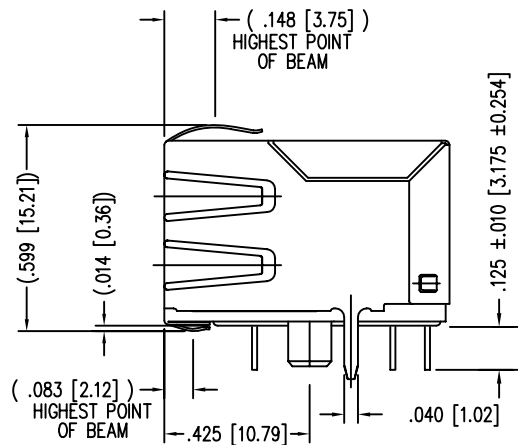
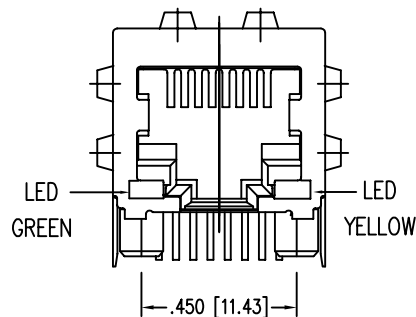
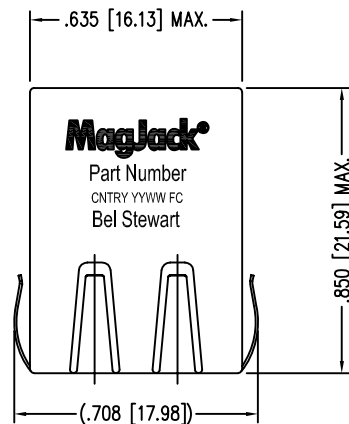
1.0 PINS WITHOUT ELECTRICAL CONNECTION
ARE OMITTED.

| ORIGINATED BY | DATE | TITLE | PART NO. / DRAWING NO. | STANDARD DIM. | [] METRIC DIM. AS REFERENCE | bel COMPONENTS FOR A CONNECTED PLANET Stewart Connector |
|---------------|----------|--|------------------------|---------------|------------------------------|---|
| SHE | 07-04-05 | MagJack® 10/100BT TAB DOWN, SHIELDED | SI-60217-F | TOL. IN INCH | UNIT : INCH [mm] | |
| DRAWN BY | DATE | | FILE NAME | .X | REV. : X3 | |
| BOW | 01-24-08 | | SI-60217-F.DWG | .XX | SCALE : N/A | |
| | | | | .XXX | ±0.005 | SIZE : A4 |
| | | | | | | PAGE : 1 |

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| LED SPECIFICATION | | | |
|-------------------|------------|-----------------|--------|
| STANDARD LED | WAVELENGTH | FORWARD V (MAX) | *(TYP) |
| GREEN | 565 nm | 2.5 V | 2.2 V |
| YELLOW | 590 nm | 2.5 V | 2.1 V |

*WITH A FORWARD CURRENT OF 20 mA (TYP)



P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE
ALL CENTERLINE DIMENSIONS ARE BASIC.

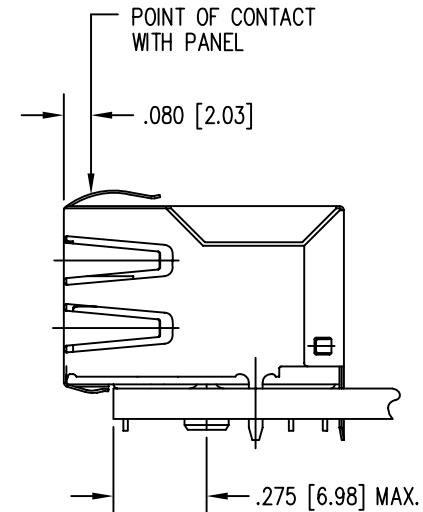
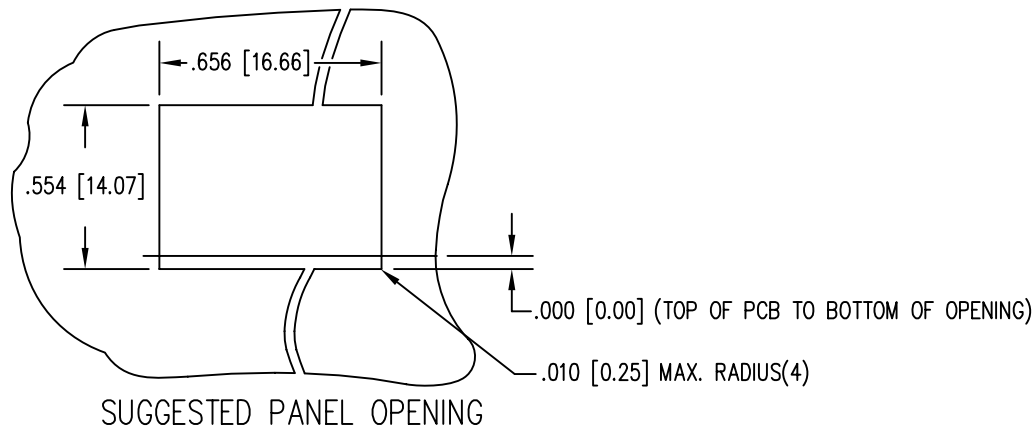
NOTES:

- CONNECTOR MATERIALS:
HOUSING: THERMOPLASTIC UL94-V0
CONTACT/SHIELD: COPPER ALLOY
SHIELD PLATING: NICKEL OR TIN
CONTACT PLATING: SELECTIVE GOLD, 50 μINCHES MIN. IN CONTACT AREA
- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED. SEE ELECTRICAL DRAWING FOR OMITTED PINS.
- TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
- ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±.005 [0.13].
- REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR 10 SECONDS MAX.



| ORIGINATED BY | DATE | TITLE | PART NO. / DRAWING NO. | STANDARD DIM. TOL. IN INCH | [] METRIC DIM. AS REFERENCE | |
|---------------|----------|---|------------------------|----------------------------|------------------------------|-----------|
| SHE | 07-04-05 | MagJack® 10/100BT TAB DOWN, SHIELDED | SI-60217-F | .X | UNIT : INCH [mm] | REV. : X3 |
| DRAWN BY | DATE | | FILE NAME | .XX | SCALE : N/A | SIZE : A4 |
| BOW | 01-24-08 | | SI-60217-F.DWG | .XXX | ±0.005 | PAGE : 2 |





NOTES:

1. THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.
2. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ± 0.005 [0.13].

| ORIGINATED BY | DATE | TITLE | PART NO. / DRAWING NO. | STANDARD DIM. TOL. IN INCH | [] METRIC DIM. AS REFERENCE |
|---------------|----------|---|------------------------|-------------------------------|------------------------------|
| SHE | 07-04-05 | MagJack® 10/100BT TAB DOWN, SHIELDED | SI-60217-F | .X | UNIT : INCH [mm] REV. : X3 |
| DRAWN BY | DATE | | FILE NAME | .XX | SCALE : N/A SIZE : A4 |
| BOW | 01-24-08 | | SI-60217-F.DWG | .XXX ±0.005 | ⊕ — PAGE : 3 |