

ELECTRICAL SPECIFICATIONS:

1.0 TURNS RATIO: (P6-P5-P4) : (J6-J3)
(P3-P2-P1) : (J2-J1)

2.0 INDUCTANCE: (P6-P4)
(P3-P1)

3.0 LEAKAGE INDUCTANCE: P6-P4 (WITH J6 AND J3 SHORT)
P3-P1 (WITH J2 AND J1 SHORT)

4.0 INTERWINDING CAPACITANCE: (P6,P5,P4) TO (J6,J3)
(P3,P2,P1) TO (J2,J1)

5.0 DC RESISTANCE: (J6-J3)=(J2-J1)

: 1CT : 1CT ± 3%
: 1CT : 1CT ± 3%

: 350uH MIN. @ 0.1V, 100KHZ, 8mA DC Bias
: 350uH MIN. @ 0.1V, 100KHZ, 8mA DC Bias

: 0.3 MAX. @ 1MHZ
: 0.3 MAX. @ 1MHZ

: 30pf MAX @ 1MHZ
: 30pf MAX. @ 1MHZ

: 1.2 ohms Max.

NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

Bel Stewart Connector

11118 Susquehanna Trail, South
Glen Rock, Pa 17327-9199
717.234.7512

MagJack®

<http://www.stewartconnector.com>

SHEET
1 OF 3

DRAWING NO.

SI-46006

REV.

A0

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6.0 RETURN LOSS: (P6-P4)=100 OHMS AND (P1-P3)=100 OHM REF.
1MHZ TO 30MHZ
60MHZ TO 80MHZ

: 18dB MIN.
: 12dB MIN.

NOTE: 100 OHMS CONNECTED TO (J2-J1) OR (J6-J3).

7.0 VOLTAGE WITHSTAND:

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

: 1500 VAC
: 1500 VAC

8.0 INSERTION LOSS: RS=RL=100 ohms
100KHz TO 100MHZ

1.1 dB TYP

9.0 RISE TIME: RS=100 OHMS AND RL = 100 OHMS
OUTPUT VOLTAGE = 1 V peak
PULSE WIDTH= 112nS

3.0 nS MAX
3.0 nS MAX

10.0 CROSS TALK:

1MHZ TO 100MHZ

40 dB TYP

11.0 COMMON TO COMMON MODE ATTENUATION:
30MHZ TO 100MHZ

35dB TYP

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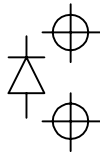
SHEET
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DRAWING NO.

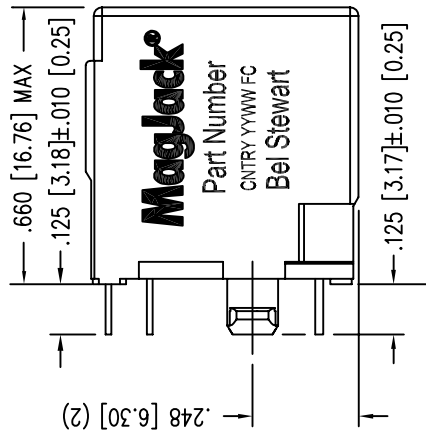
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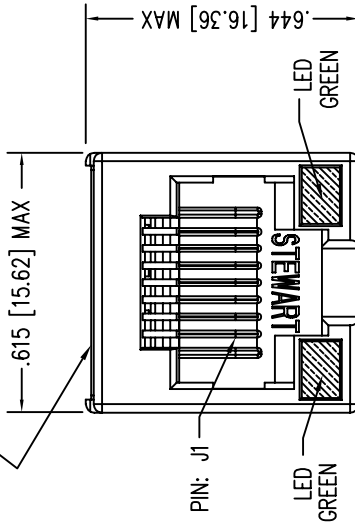
LED POLARITY
(ENLARGED VIEW)



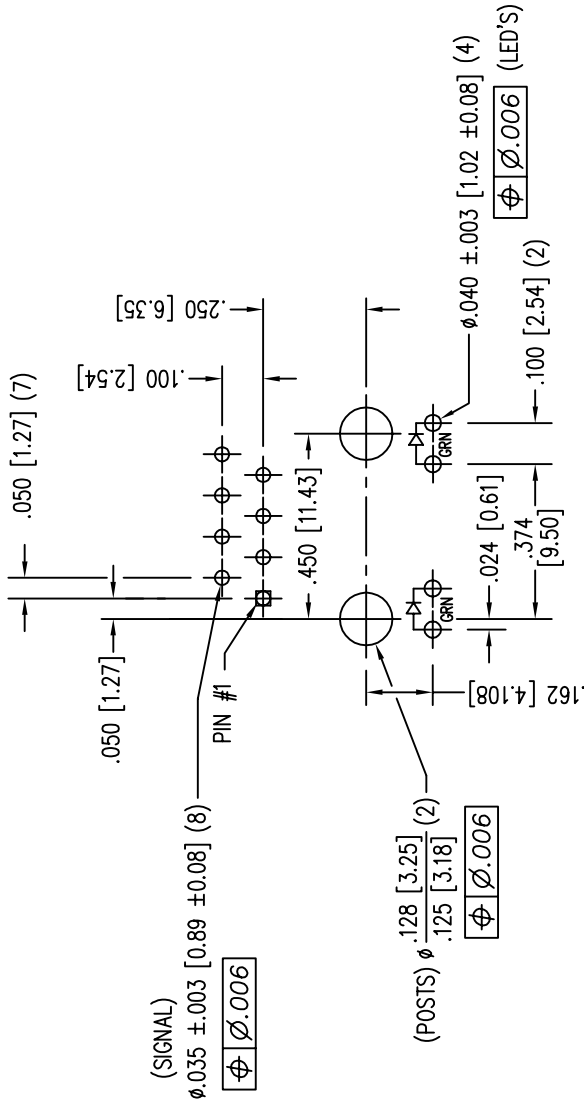
SINGLE COLOR LED



MAGNETIC COMPONENT CAVITY IS FILLED WITH POTTING COMPOUND



PIN: J1



P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE

ALL CENTERLINE DIMENSIONS ARE BASIC.

NOTES:

- CONNECTOR MATERIALS:
HOUSING: THERMOPLASTIC UL94 V-0
CONTACT: COPPER ALLOY
CONTACT PLATING: SELECTIVE GOLD,
50 MICRO-INCHES 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 $\pm 0.005 [0.13]$
- WAVE SOLDER COMPATIBLE - PREHEAT 125C/90SECS.

LED SPECIFICATIONS				
STANDARD LED	* FORWARD VOLTAGE (MAX)	* FORWARD VOLTAGE (TYP)	* POWER DISSIPATION	LUMINOUS INTENSITY @ 10mA
GREEN DIFFUSED	2.6 V	2.25 V	105 mW	MIN
				MAX
				2 MCD
				8 MCD

* WITH A FORWARD CURRENT OF 20 mA

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