

**NOTES**

- 1.0 COMPLIES WITH THE EUROPEAN DIRECTIVE 2002/95/EC, CALLING FOR THE ELIMINATION OF LEAD AND OTHER HAZARDOUS SUBSTANCES FROM ELECTRONIC PRODUCTS.
- 2.0 UNUSED PIN P7 IS OMITTED.

ELECTRICAL SPECIFICATIONS:

OPERATING TEMPERATURE RANGE: -40\°M+2A258 C TO 85\°M+2A258 C

1.0 TURNS RATIO: (P1-P3) : (J1-J2) : 1CT : 1CT ± 3%  
 (P4-P6) : (J3-J6) : 1CT : 1CT ± 3%

2.0 INDUCTANCE: (P1-P3) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias  
 (P4-P6) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias



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

**MagJack**

<http://www.stewartconnector.com>

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ELECTRICAL SPECIFICATIONS:

3.0 DC RESISTANCE:	(P1-P3); (P4-P6) (J1-J2); (J3-J6)	: 1.2 OHMS : 1.2 OHMS
4.0 RETURN LOSS: (P1-P3)=100 OHMS REF. AND (P4-P6)=100 OHM REF.	1MHz TO 30MHz 31MHz TO 80MHz	: 18dB MIN. : 12dB MIN.
5.0 INSERTION LOSS:	RS & RL =100 ohms 1MHz TO 100MHz	: 1.1 dB TYP
6.0 CROSS TALK:	1MHz - 100 MHz	: 35 dB TYP
7.0 DIFFERENTIAL TO COMMON MODE ATTENUATION:	1MHz TO 100MHz	: 40dB TYP
8.0 DIELECTRIC WITHSTAND:	(P1-P3) TO (J1-J2) (P4-P6) TO (J3-J6)	: 1500 VAC : 1500 VAC

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SHEET

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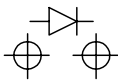
DRAWING NO.

SI-46008-F

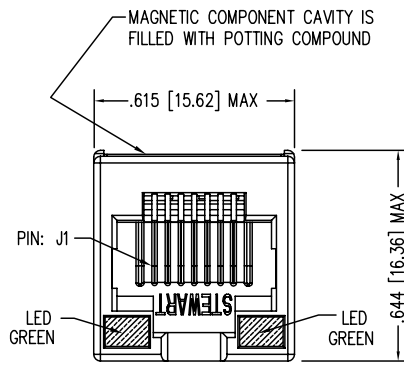
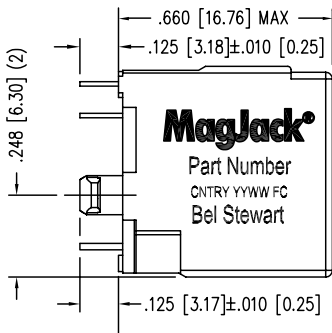
REV.

01

LED POLARITY  
(ENLARGED VIEW)

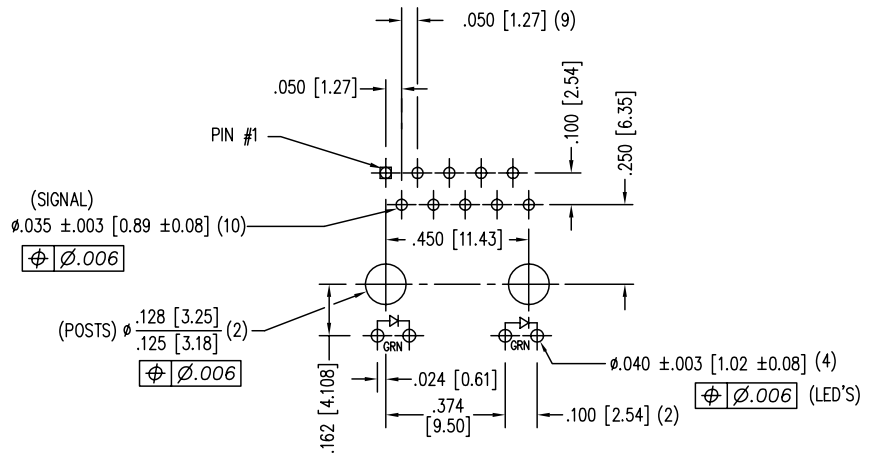


SINGLE COLOR LED



LED SPECIFICATIONS						
STANDARD LED	* FORWARD VOLTAGE (MAX)	* FORWARD VOLTAGE (TYP)	POWER DISSIPATION	WAVELENGTH	LUMINOUS INTENSITY @ 10mA	
					MIN	MAX
GREEN DIFFUSED	2.6 V	2.25 V	105 mW	555 nm	2 MCD	8 MCD

\* WITH A FORWARD CURRENT OF 20 mA



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 ±.005 [0.13]
  - WAVE SOLDER COMPATIBLE - PREHEAT 125°C/90SECS.

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