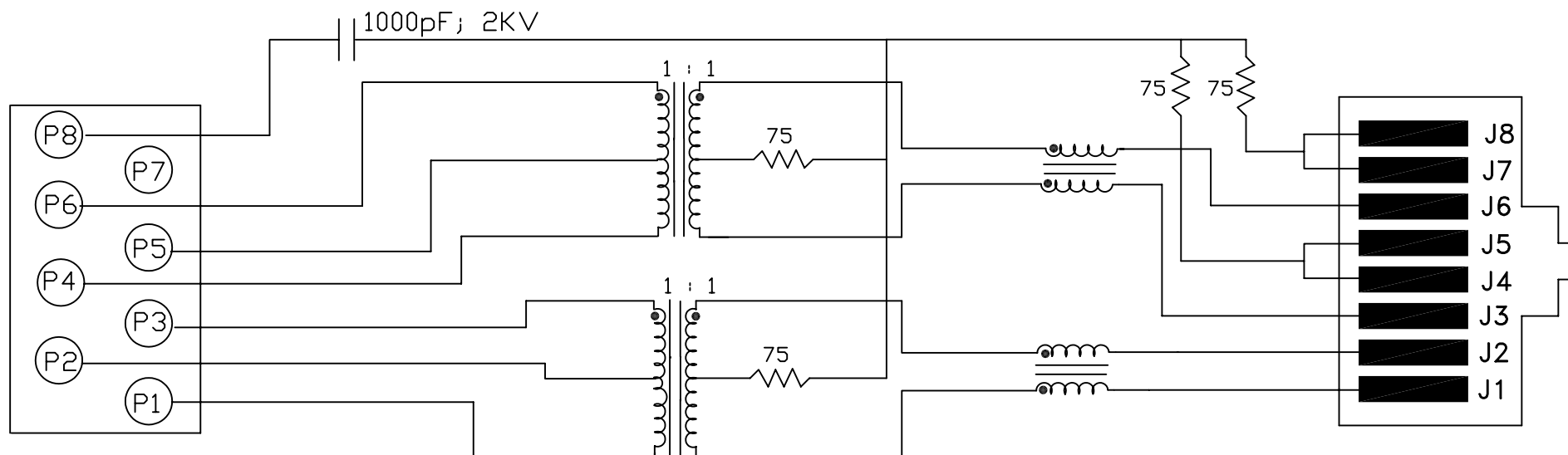


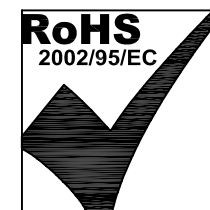


#### ELECTRICAL SPECIFICATIONS:

- |     |                                                  |                                          |
|-----|--------------------------------------------------|------------------------------------------|
| 1.0 | URNS RATIO: (P6-P5-P4) : (J6-J3)                 | : 1CT : 1CT± 3%                          |
|     | (P3-P2-P1) : (J2-J1)                             | : 1CT : 1CT ± 3%                         |
| 2.0 | INDUCTANCE: (P6-P4)                              | : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias |
|     | (P3-P1)                                          | : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias |
| 3.0 | LEAKAGE INDUCTANCE: P6-P4 (WITH J6 AND J3 SHORT) | : 0.3 MAX. @ 1MHz                        |
|     | P3-P1 (WITH J2 AND J1 SHORT)                     | : 0.3 MAX. @ 1MHz                        |
| 4.0 | INTERWINDING 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.                          |

#### NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.



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<http://www.stewartconnector.com>

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6.0 RETURN LOSS: (P6-P4)=100 OHMS AND (P1-P3)=100 OHM REF.

1MHz TO 30MHz

: 18dB MIN.

60MHz TO 80MHz

: 12dB MIN.

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

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

1.1 dB TYP

9.0 RISE TIME: RS=100 OHMS AND RL = 100 OHMS

OUTPUT VOLTAGE = 1 V peak

3.0 nS MAX

PULSE WIDTH= 112nS

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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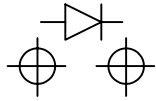
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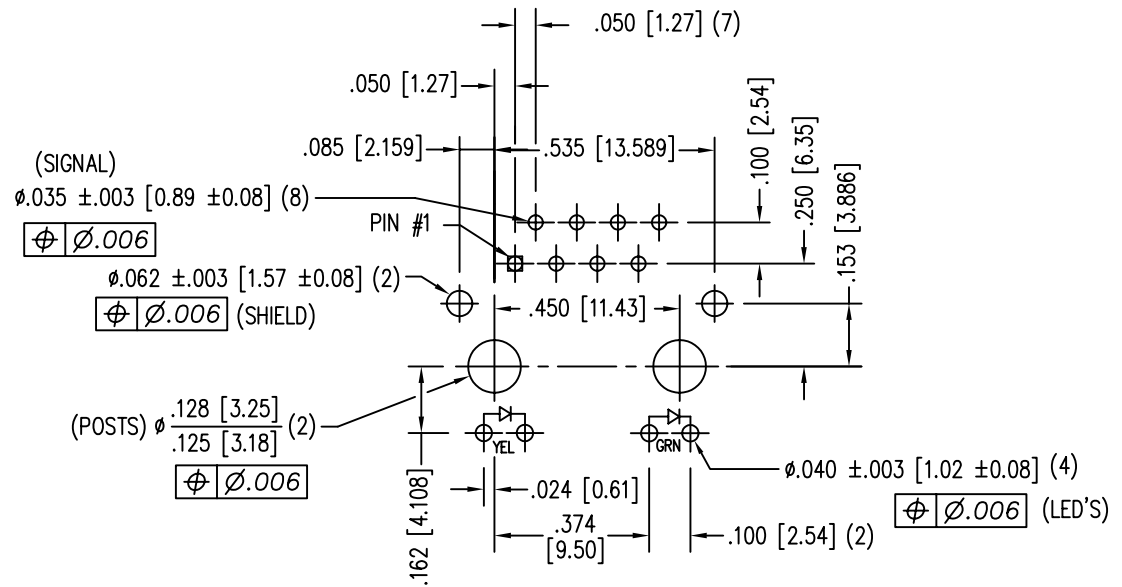
# LED POLARITY (ENLARGED VIEW)



SINGLE COLOR LED

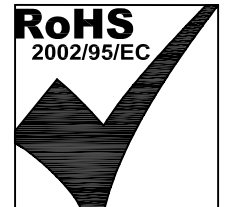
| LED SPECIFICATION |            |                 |        |
|-------------------|------------|-----------------|--------|
| STANDARD LED      | WAVELENGTH | FORWARD V (MAX) | *(TYP) |
| GREEN             | 565 nm     | 2.5 V           | 2.2 V  |
| YELLOW            | 590 nm     | 2.5 V           |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

\*WITH A FORWARD CURRENT OF 20 mA (TYP)



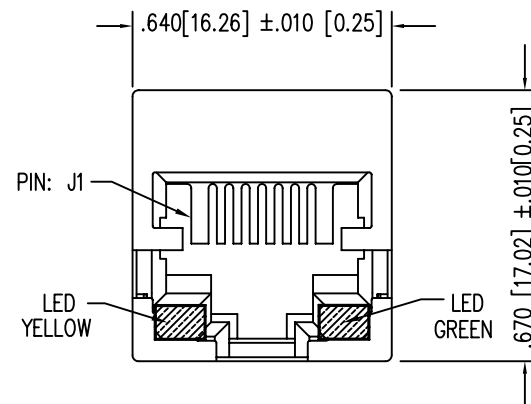
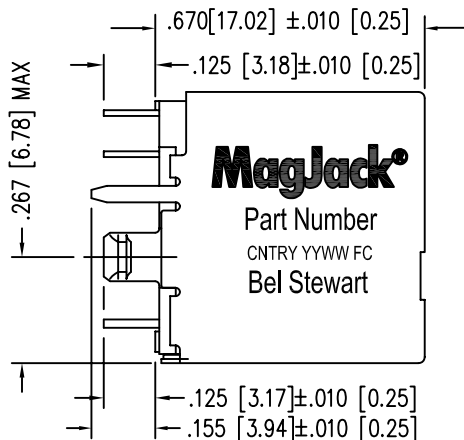
P.C.B. RECOMMENDED HOLE LAYOUT  
SEEN FROM COMPONENT SIDE

ALL CENTERLINE DIMENSIONS ARE BASIC.



## NOTES:

- CONNECTOR MATERIALS:  
HOUSING: THERMOPLASTIC UL94 V-0  
CONTACT/SHIELD: COPPER ALLOY  
SHIELD PLATING: NICKEL OR TIN  
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 125°C/90SECS.



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