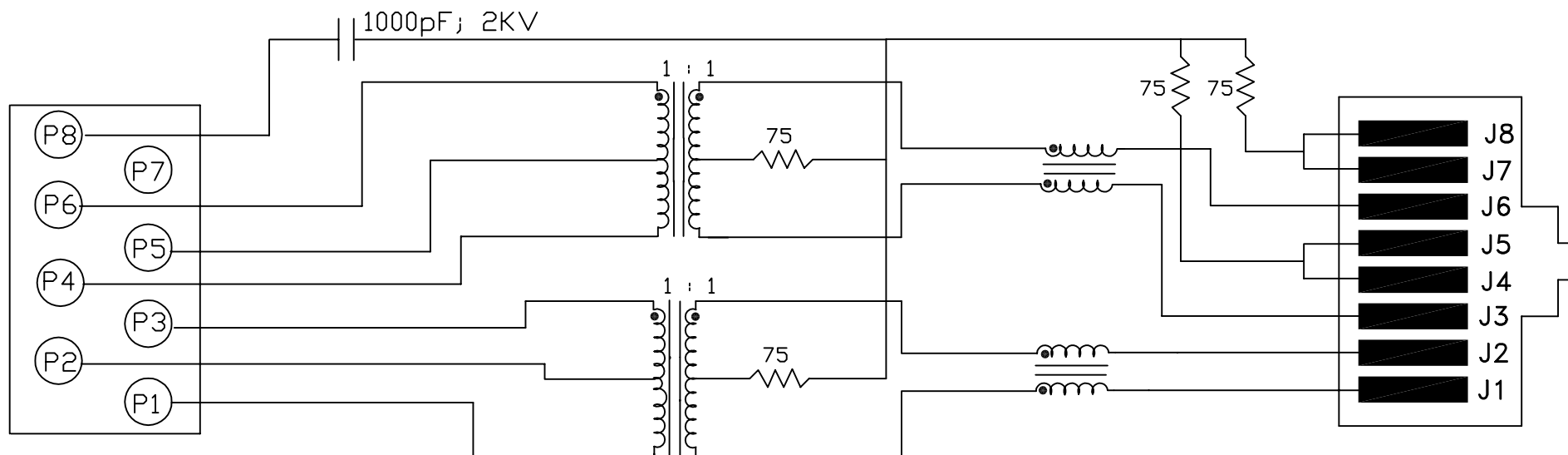


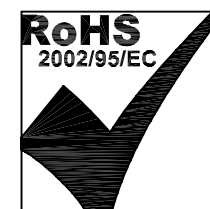


ELECTRICAL SPECIFICATIONS:

- | | | |
|-------------------------------|------------------------------|--|
| 1.0 TURNS 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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Glen Rock, Pa 17327-9199
717.234.7512

MagJack®

<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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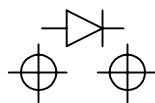
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SHEET
2 OF 3

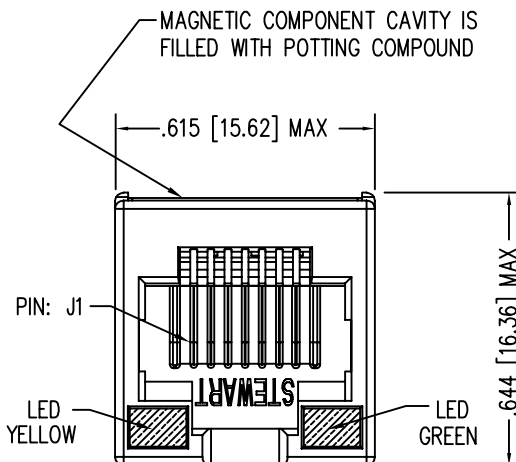
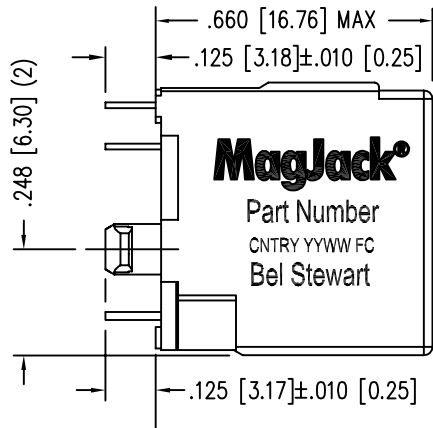
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LED POLARITY (ENLARGED VIEW)



SINGLE COLOR LED



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

*WITH A FORWARD CURRENT OF 20 mA (TYP)

(SIGNAL)

$\phi .035 \pm .003$ [0.89 $\pm$ 0.08] (8)

$\phi \phi .006$

$\phi .050$ [1.27]

$\phi .050$ [1.27] (7)

$\phi .100$ [2.54]

$\phi .250$ [6.35]

PIN #1

$\phi .450$ [11.43]

(POSTS) $\phi .128$ [3.25]
 $\phi .125$ [3.18] (2)

$\phi \phi .006$

$\phi .162$ [4.108]

$\phi .024$ [0.61]

$\phi .374$ [9.50]

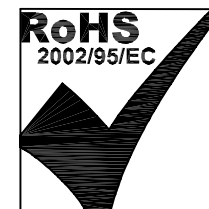
$\phi .100$ [2.54] (2)

$\phi .040 \pm .003$ [1.02 $\pm$ 0.08] (4)

$\phi \phi .006$ (LED'S)

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

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SHEET

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