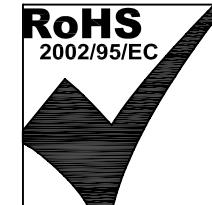


NOTES:

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.



ELECTRICAL SPECIFICATIONS:

1.0 TURNS RATIO: $\{P3-P2\} : \{J2-J1\}$: 1CT : 1CT $\pm 3\%$
 $\{P5-P4\} : \{J6-J3\}$: 1CT : 1CT $\pm 3\%$
 $\{P7-P6\} : \{J5-J4\}$: 1CT : 1CT $\pm 3\%$
 $\{P9-P8\} : \{J8-J7\}$: 1CT : 1CT $\pm 3\%$

2.0 INDUCTANCE: $\{P3-P2\} ; \{P5-P4\}$: 350 uH MIN. @ 0.01V, 100KHz, 8 mA DC BIAS
 $\{P7-P6\} ; \{P9-P8\}$: 350 uH MIN. @ 0.01V, 100KHz, 8 mA DC BIAS

3.0 LEAKAGE INDUCTANCE: P3-P2 (WITH J2 AND J1 SHORT) : 0.3uH MAX. @ 1MHz
P5-P4 (WITH J6 AND J3 SHORT) : 0.3uH MAX. @ 1MHz
P7-P6 (WITH J5 AND J4 SHORT) : 0.3uH MAX. @ 1MHz
P9-P8 (WITH J8 AND J7 SHORT) : 0.3uH MAX. @ 1MHz

4.0 INTERWINDING CAPACITANCE: $\{P3-P2\} : \{J2-J1\}$: 85pf MAX @ 1MHz
 $\{P5-P4\} : \{J6-J3\}$: 85pf MAX @ 1MHz
 $\{P7-P6\} : \{J5-J4\}$: 85pf MAX @ 1MHz
 $\{P9-P8\} : \{J8-J7\}$: 85pf MAX @ 1MHz

5.0 DC RESISTANCE: $(J6-J3) ; (J2-J1) ; 1$: 1.2 ohms Max.

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<http://www.stewartconnector.com>

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6.0 RETURN LOSS: 1MHz TO 30MHz	: 18dB MIN.
30MHz TO 80MHz	: $12-20 \log \left(\frac{F}{80\text{MHz}} \right)$
7.0 DIELECTRIC WITHSTAND: $\{J1,J2\}$ TO $\{P2,P3\}$; $\{J5,J4\}$ TO $\{P6-P5\}$: 1500 VAC
$\{J3,J6\}$ TO $\{P7,P4\}$; $\{J8,J7\}$ TO $\{P9, P8\}$: 1500 VAC
8.0 INSERTION LOSS: $RS=RL=100$ ohms 100KHz TO 100MHz	: 1.1 dB MAX
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: 1-60 MHz	: 35 dB MIN
60-100 MHz	: 25 dB MIN
11.0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz	: 35dB TYP

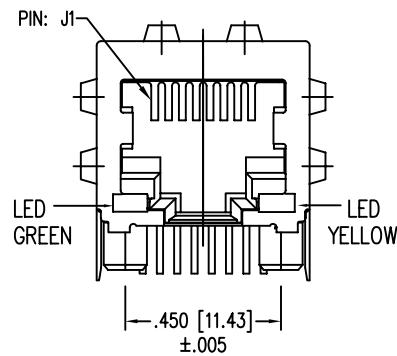
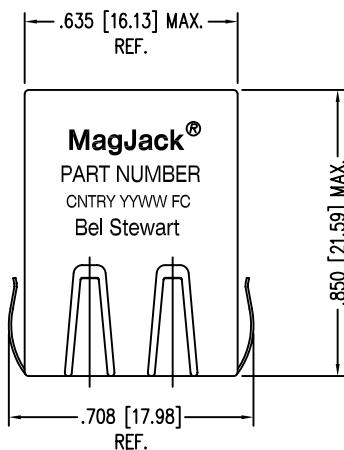
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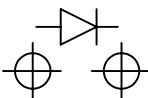
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SHEET 2 OF 4	DRAWING NO. SI-61001-F	REV. 04
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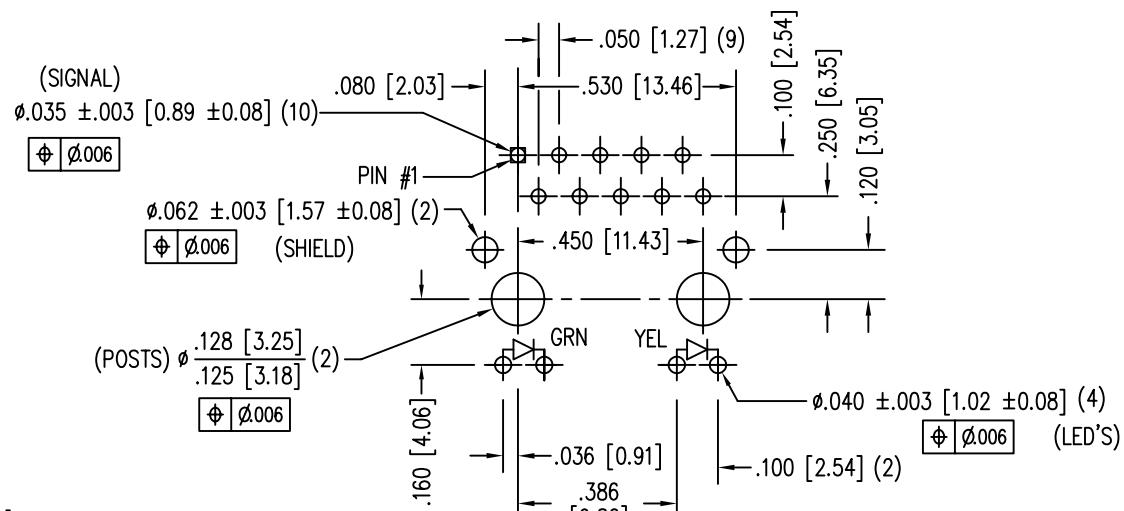
LED POLARITY
(ENLARGED VIEW)



SINGLE COLOR LED

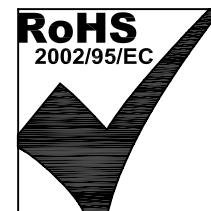
LED SPECIFICATION			
STANDARD LED	WAVELENGTH	FORWARD V (MAX)	* (TYP)
GREEN	565 nm	2.5 V	2.2 V
YELLOW	590 nm	2.5 V	2.1 V

*WITH A FORWARD CURRENT OF 20 mA (TYP)



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

ALL CENTERLINE DIMENSIONS ARE BASIC.



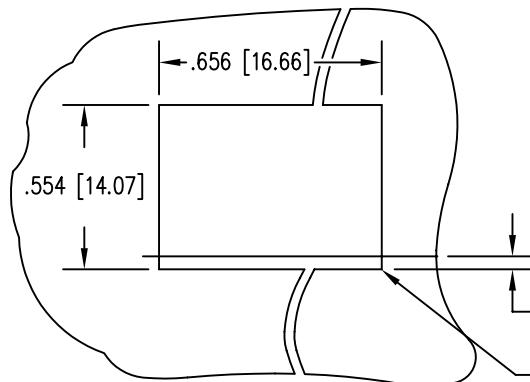
NOTES:

1. 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.
2. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
3. TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
4. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE $\pm .005$ [0.13]
5. REFLOW AND WAVE SOLDER COMPATIBLE-260°C FOR
10 SECONDS MAX.

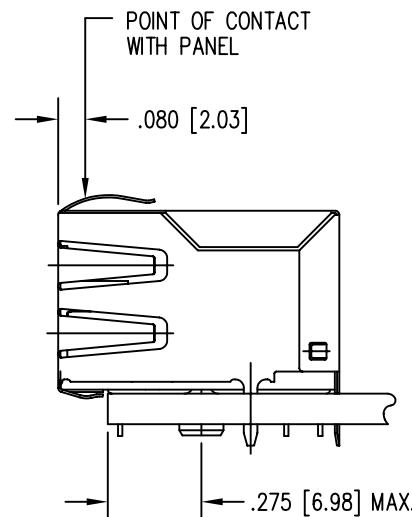
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SUGGESTED PANEL OPENING



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 $\pm .005$ [0.13]

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