

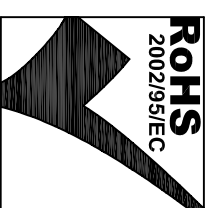
ELECTRICAL SPECIFICATIONS:

- 1.0 TURNS RATIO: $\{P6-P5-P4\} : \{J6-J3\}$
 $\{P3-P2-P1\} : \{J2-J1\}$
: 1CT : $1 \pm 3\%$
: 1CT : $1 \pm 3\%$
- 2.0 INDUCTANCE: $\{P6-P4\}$
 $\{P3-P1\}$
: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
- 3.0 LEAKAGE INDUCTANCE: $P6-P4$ (WITH $J6$ AND $J3$ SHORT)
 $P3-P1$ (WITH $J2$ AND $J1$ SHORT)
: 0.3 MAX. @ 1MHZ
: 0.3 MAX. @ 1MHZ
- 4.0 INTERWINDING CAPACITANCE: $\{P6,P5,P4\}$ TO $\{J6,J3\}$
 $\{P3,P2,P1\}$ TO $\{J2,J1\}$
: 30pf MAX @ 1MHZ
: 30pf MAX. @ 1MHZ
- 5.0 DC RESISTANCE: $\{J1-J2\}$
 $\{P6-P4\}$
: 1.2 ohms Max.
: 1.2 ohms Max.

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NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

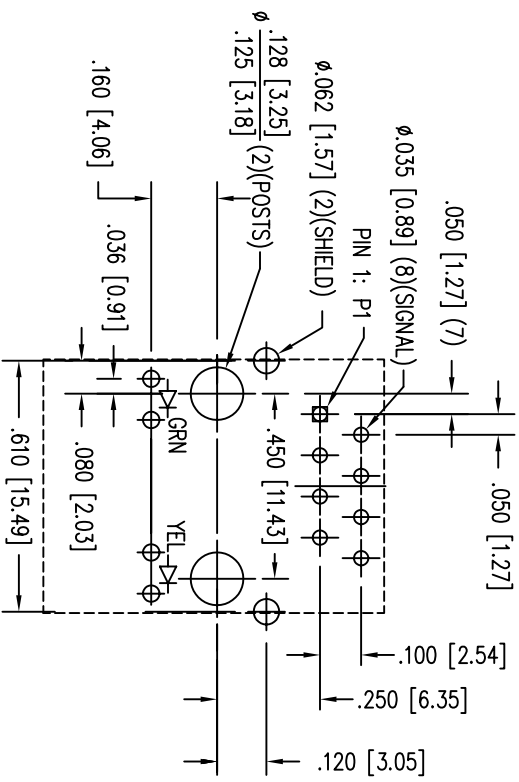
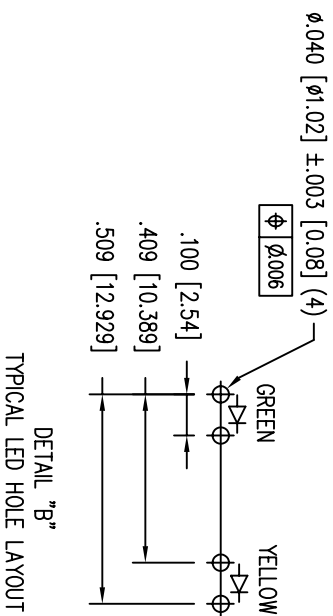
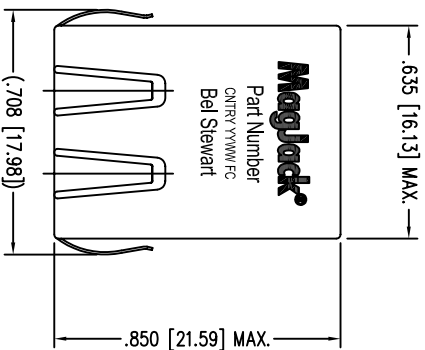


RECEIVE

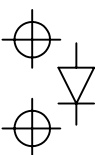
- 6.0 RETURN LOSS: 1MHz TO 30MHz
60MHz TO 80MHz
(P1 – P3) = 100 OHMS
(J3 – J6) = 100 OHMS
: 18dB MIN.
: 12dB MIN.
- 7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P3)
(J3, J6) TO (P4, P6)
: 1500 VAC
: 1500 VAC
- 8.0 INSERTION LOSS: RS=RL=100 ohms
100KHz TO 100MHz
: 1.1 dB TYP
- 9.0 RISE TIME: RS=100 OHMS 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
: 35 dB TYP
- 11.0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz : 35dB TYP

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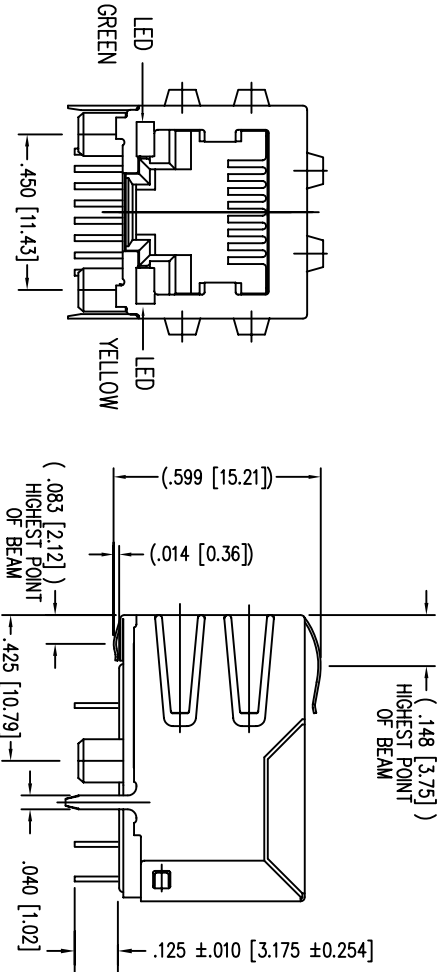
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LED POLARITY (ENLARGED VIEW)



SINGLE COLOR LED



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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

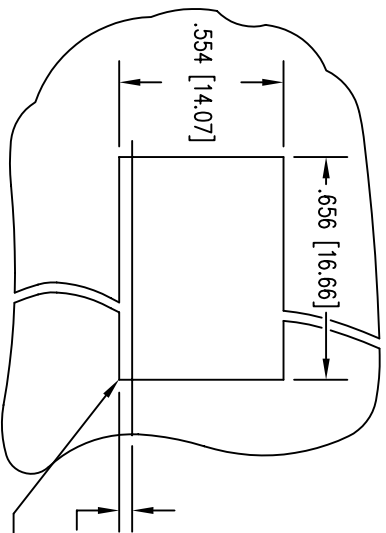
*WITH A FORWARD CURRENT OF 20 mA (TYP)

- 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 ±.005 [0.13]
 - REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR
10 SECONDS MAX.

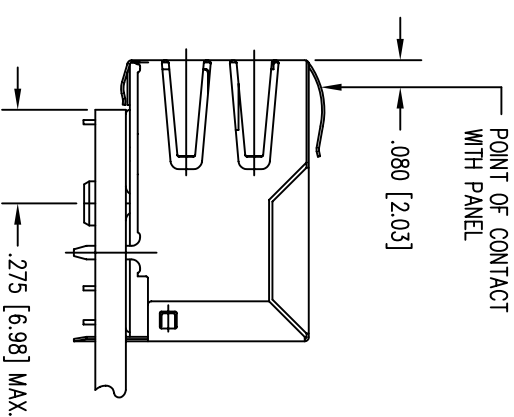
Bel Stewart Connector
11118 Susquehanna Trail, South
Glen Rock, Pa 17327-9199
717.234.7512
<http://www.stewartconnector.com>

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Magjack



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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SHEET
4 OF 4

DRAWING NO.

SI-60019-F

REV.
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