

NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

ELECTRICAL SPECIFICATIONS:

- | | | | |
|-----|---------------------------|------------------------------|--|
| 1.0 | Turns Ratio: | (P6-P5-P4) : (J6-J3) | : 1CT : 1 ± 3% |
| | | (P3-P2-P1) : (J2-J1) | : 1.41CT : 1 ± 3% |
| 2.0 | Inductance: | (P6-P4) | : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias |
| | | (P3-P1) | : 696uH 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) | : 0.6 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. |

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

MagJack®

<http://www.stewartconnector.com>

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6.0	INSERTION LOSS: 1MHz TO 100MHz	:	1.1dB TYP
7.0	RETURN LOSS: 1MHz TO 30MHz	:	18dB MIN.
	30MHz TO 60MHz	:	12dB MIN.
8.0	VOLTAGE WITHSTAND: (J1, J2) TO (P1, P3)	:	1500 VAC
	(J3, J6) TO (P4,P6)	:	1500 VAC
9.0	RISE TIME: OUTPUT VOLTAGE = 1 V peak	:	3.0 nS MAX
	PULSE WIDTH= 112nS	:	3.0 nS MAX
10.0	CROSS TALK: 1-100 MHz	:	30 dB MIN
11.0	COMMON TO COMMON MODE ATTENUATION: 30MHz TO 100MHz	:	35 dB TYP

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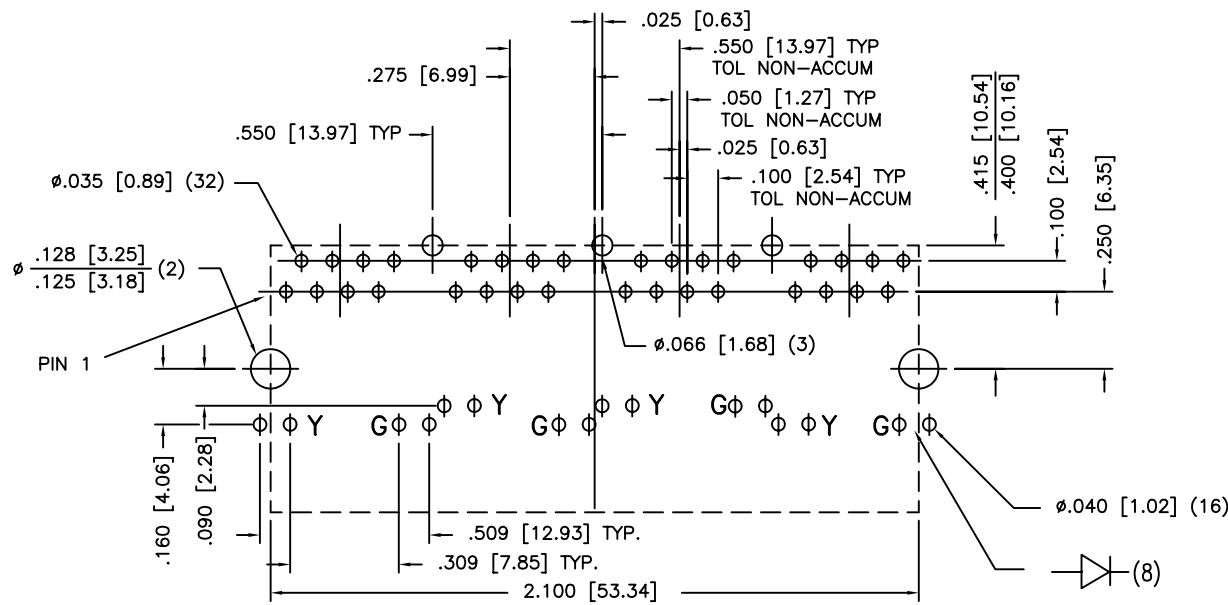
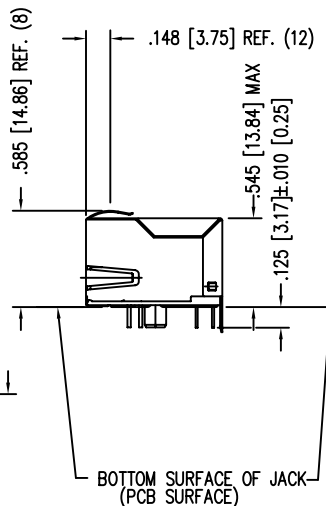
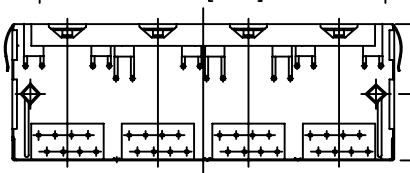
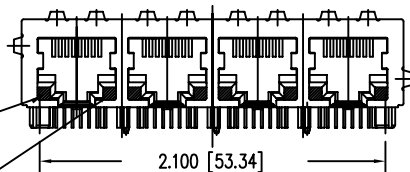
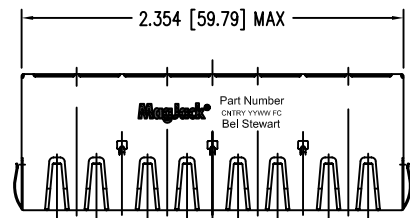
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P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE
TOLERANCE $\pm .003$ [0.08] UNLESS OTHERWISE SPECIFIED

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

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)

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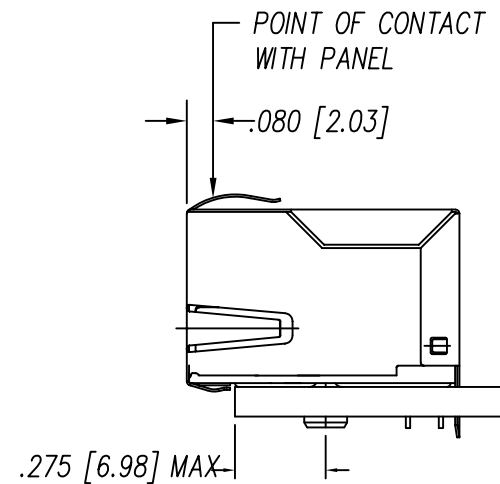
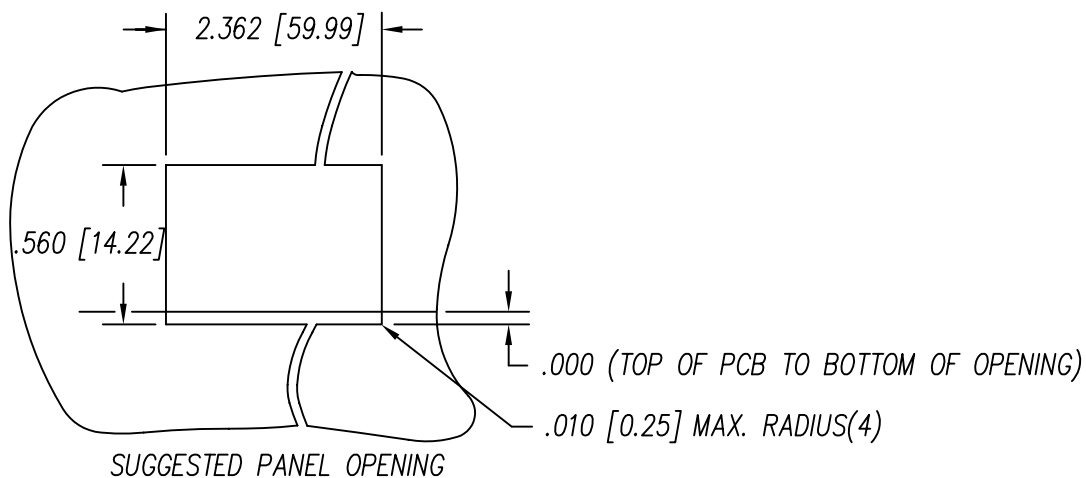
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1. THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.
2. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE $\pm .005$ [0.13]

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