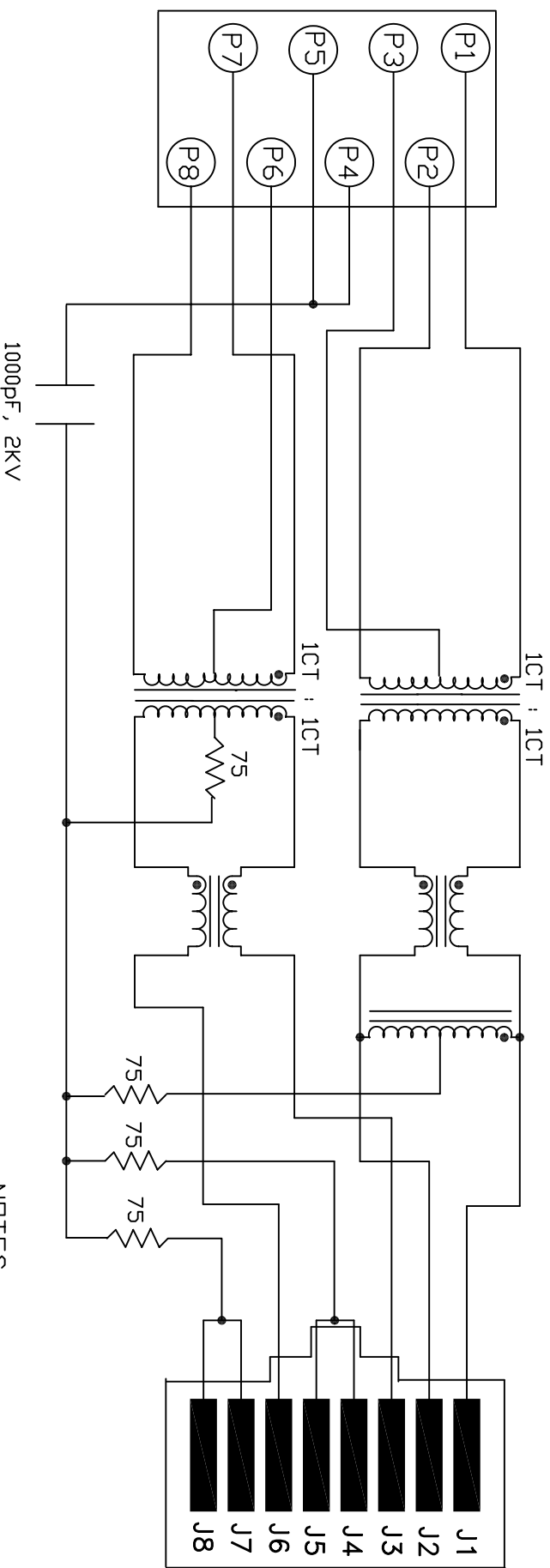




ELECTRICAL SPECIFICATIONS:

- 1.0 TURNS RATIO: $\{P7-P6-P8\} : \{J3-J6\}$
 $\{P1-P3-P2\} : \{J1-J2\}$: 1CT : 1CT ± 3%
: 1CT : 1CT ± 3%
- 2.0 INDUCTANCE: $\{P7-P8\}$: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
 $\{P1-P2\}$: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
- 3.0 LEAKAGE INDUCTANCE: $P7-P8$ (WITH $J6$ AND $J3$ SHORT) : 0.3uH MAX. @ 1MHz
 $P1-P2$ (WITH $J2$ AND $J1$ SHORT) : 0.3uH MAX. @ 1MHz
- 4.0 INTERWINDING CAPACITANCE: $\{P7,P6,P8\}$ TO $\{J6,J3\}$: 30pf TYP @ 1MHz
 $\{P1,P3,P2\}$ TO $\{J2,J1\}$: 30pf TYP @ 1MHz
- 5.0 DC RESISTANCE: $\{J6-J3\}=\{J2-J1\}$: 1.4 ohms Max.



NOTES
1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.
2.0 ALL RESISTORS ARE ±5% TOLERANCE.

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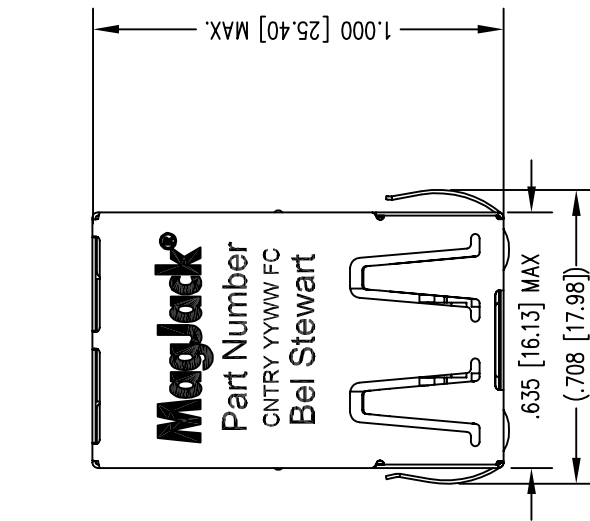
	RECEIVE
6.0 RETURN LOSS: (P7-P8)=100 OHMS AND (P1-P2) =100 OHM REF. 1MHz TO 30MHz 30MHz TO 60MHz 60MHz TO 80MHz	: -18dB MIN. : -(19-20 LOG (f/30MHz)) : -12dB MIN.
NOTE: 100 OHMS CONNECTED TO (J2-J1) OR (J6-J3).	
7.0 DIELECTRIC WITHSTAND: (J3, J6) TO (P7, P8) (J1, J2) TO (P1,P2)	: 1500 VAC : 1500 VAC
8.0 INSERTION LOSS: RS=RL=100 ohms 1-65MHz	: -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: 1-65MHz	: -35 dB MIN
11.0 COMMON TO COMMON MODE ATTENUATION: 30MHz TO 100MHz	: -30dB MAX

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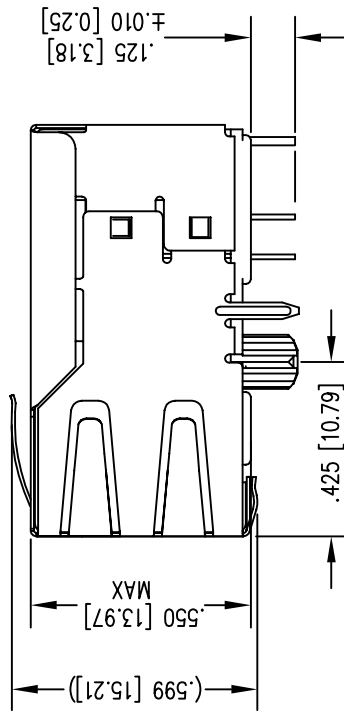
Bel Stewart Connector
11118 Susquehanna Trail, South
Glen Rock, Pa 17327-9199
717.234.7512



<http://www.stewartconnector.com>



ALL CENTERLINE DIMENSIONS ARE BASIC.



1. CONNECTOR MATERIALS:
HOUSING: THERMOPLASTIC UL94 V-0
CONTACT/SHIELD: COPPER ALLOY
SHIELD PLATING: NICKEL OR TIN
CONTACT PLATING: SELECTIVE GOLD,
50 MICRO-INCHES
2. PIN NOT ELECTRICALLY CONNECTED MATTER
SEE ELECTRICAL DRAWING FOR OMITTED
3. TOLERANCES COMPLY WITH F.C.C. DIMENSIONS
4. ALL TOLERANCES NOT OTHERWISE SPECIFIED
5. WAVE SOLDER COMPATIBLE - PREHEAT

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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MagJack

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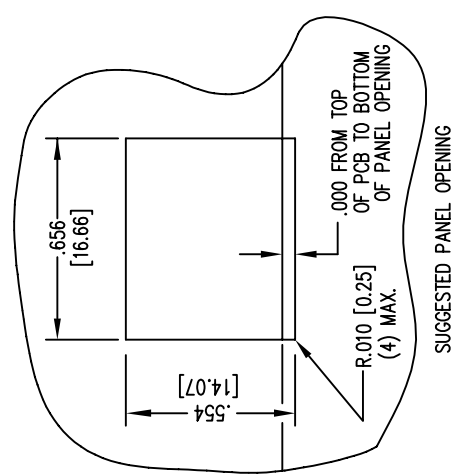
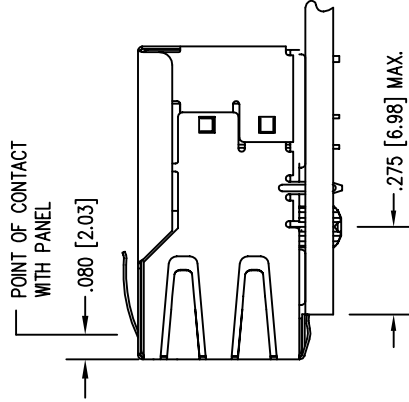
HEET
3 OF 4

DRAWING NO.

HEET
3 OF 4

WORKING NO. 50186-F REV. 09

REV. 09



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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