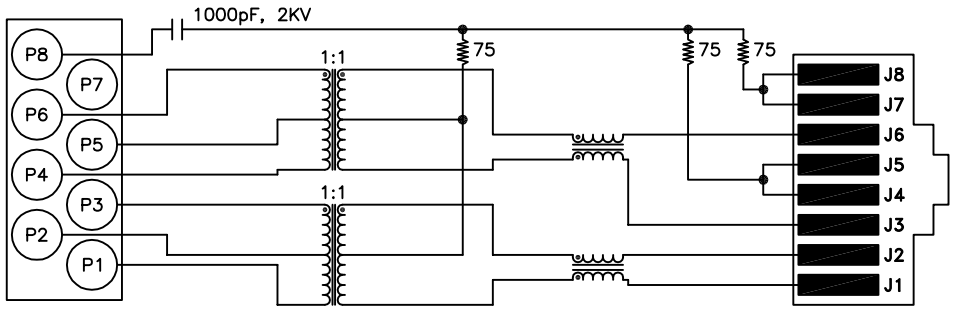


NOTES:

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

ELECTRICAL SPECIFICATIONS:

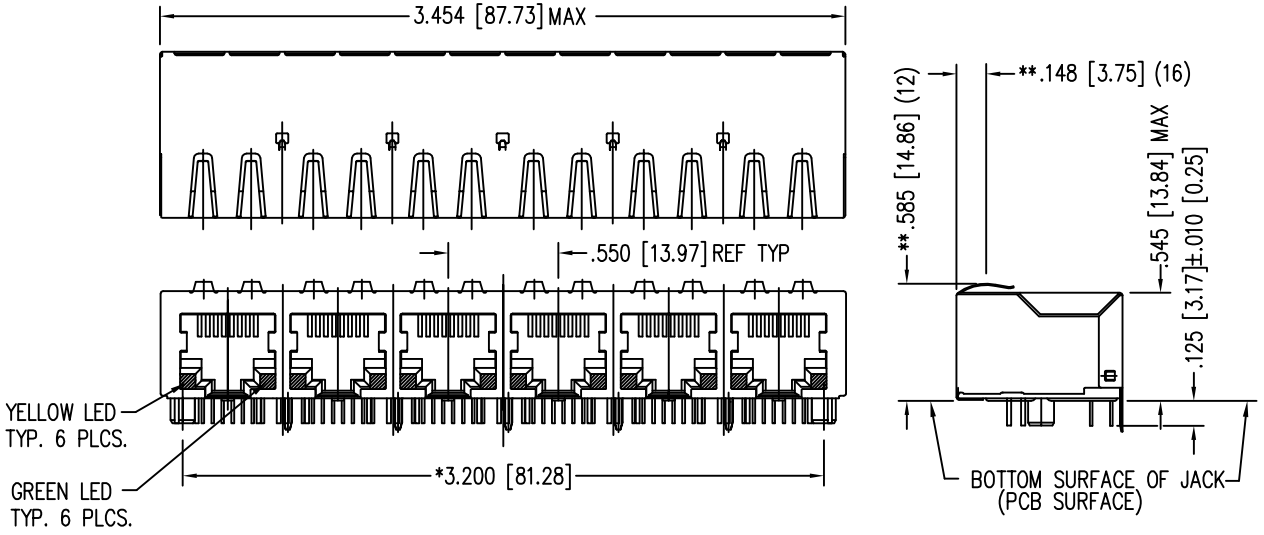
1.0	TURNS RATIO: (P6–P5–P4) : (J6–J3)	: 1CT : 1CT ± 3%
	(P3–P2–P1) : (J2–J1)	: 1CT : 1CT ± 3%
2.0	INDUCTANCE: (P6–P4)	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
	(P3–P1)	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
3.0	LEAKAGE INDUCTANCE: P6–P4 (WITH J6 AND J3 SHORT)	: 0.3 MAX. @ 1MHz
	P3–P1 (WITH J2 AND J1 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.
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	DIELECTRIC 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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MagJack®

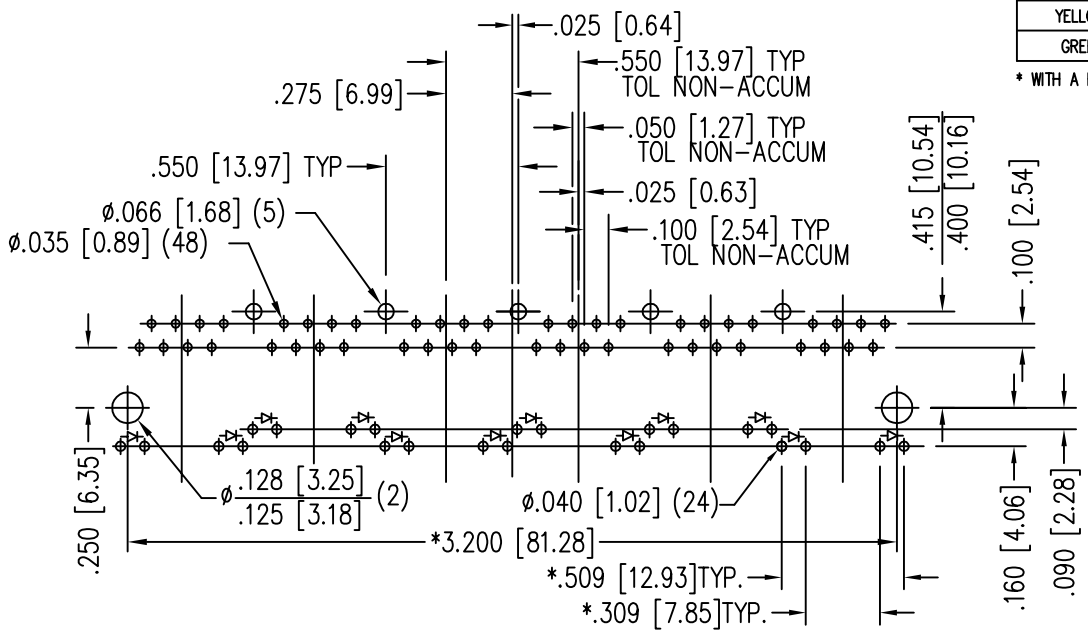
http://www.stewartconnector.com

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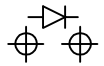
LED SPECIFICATIONS						
STANDARD LED	* FORWARD VOLTAGE (MAX)	* FORWARD VOLTAGE (TYP)	POWER DISSIPATION	WAVELENGTH	LUMINOUS INTENSITY @ 10mA	
					MIN	MAX
YELLOW DIFFUSED	2.5 V	2.1 V	105 mW	590 nm	2 MCD	8 MCD
GREEN DIFFUSED	2.6 V	2.25 V	105 mW	555 nm	2 MCD	8 MCD

* WITH A FORWARD CURRENT OF 20 mA



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

LED POLARITY
(ENLARGED VIEW)



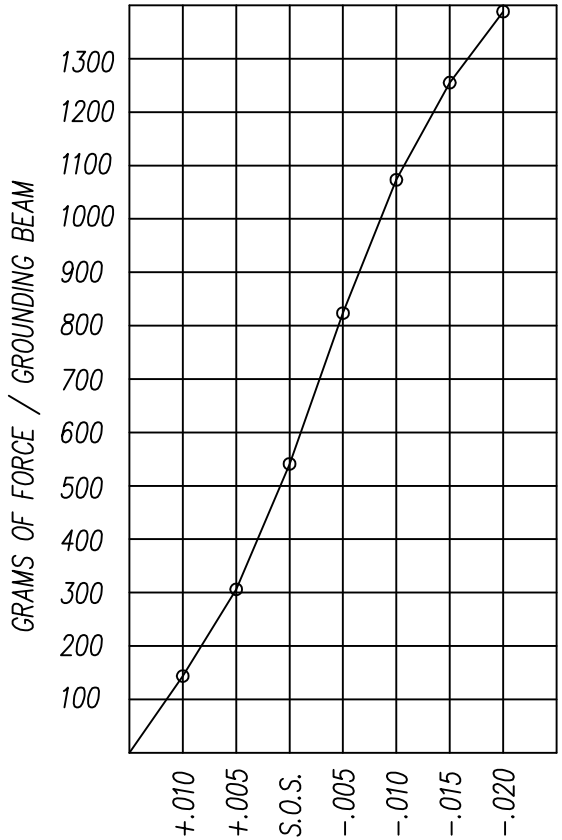
SINGLE COLOR LED

NOTES:
- FOR LED DATA AND FOOTPRINT SEE SHEET 3 OF 3
- TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS
- DIMENSIONS SHOWN WITH "*" TO BE CENTRAL ABOUT CENTER LINE
- "**" ON DIMENSION INDICATES HIGHEST POINT OF BEAM
- DIMENSIONS SHOWN ARE SUBJECT TO CHANGE WITHOUT NOTICE
  CONSULT FACTORY BEFORE ORDERING

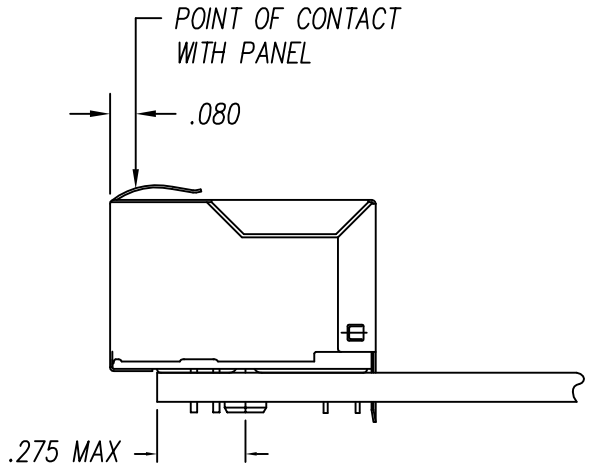
AVAILABLE WITH:
- 30 & 50 MICRO-INCH SELECTIVE GOLD PLATING
- LOADED 1 - 8 CONTACTS

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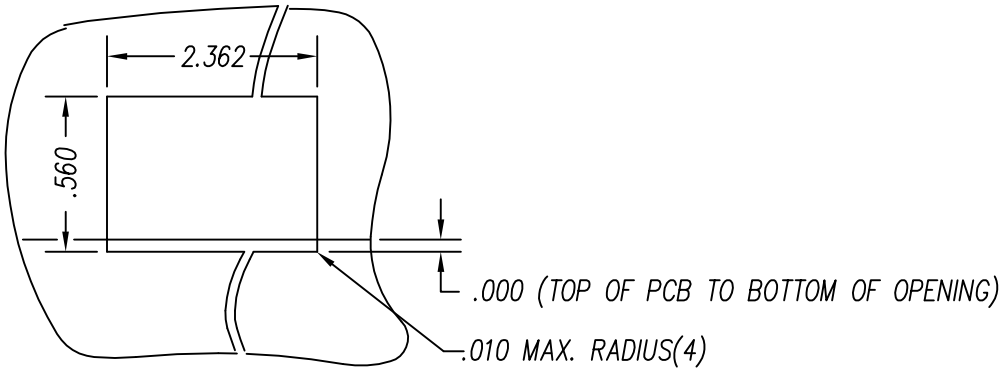
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PANEL GROUNDING BEAM DEFLECTION
S.O.S. = SUGGESTED OPENING SIZE



THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY. THESE VARIABLES CAN BE ADJUSTED IN EITHER DIRECTION BUT MAY CARRY SOME CONSEQUENCES IN THE FORM OF LOWER MATING FORCES OR TIGHTER ASSEMBLY TOLERANCES. FORCE VALUES ON THE GRAPH ARE GENERAL AVERAGES TAKEN AT THE POINT OF CONTACT SHOWN ABOVE. THE SUGGESTED PANEL OPENING INCLUDES APPROXIMATELY .020 CLEARANCE ON THE SIDES AND TOP AND .005 ON THE BOTTOM.



SUGGESTED PANEL OPENING

CT720035X1/24-001701

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