

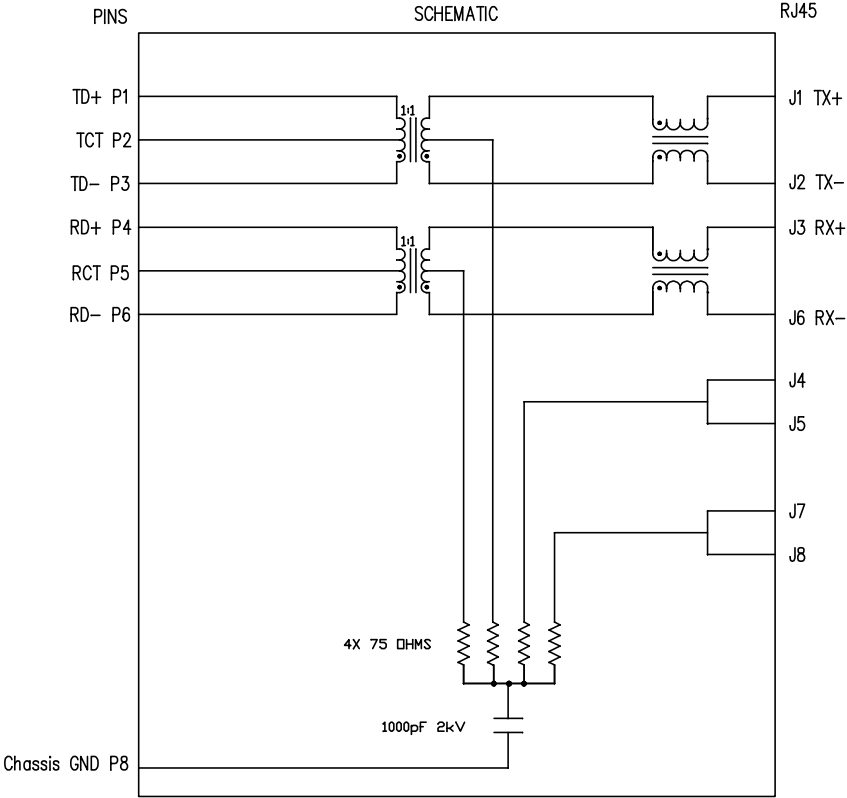
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RoHS



ELECTRICAL CHARACTERISTICS @ 25°C

- 1.0 TURNS RATIO:(P4-P5-P6) : (J3-J6) : 1CT : 1CT ± 3%
- (P3-P2-P1) : (J2-J1) : 1CT : 1CT ± 3%
- 2.0 INDUCTANCE:(P4-P6) : 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) : 0.3uH MAX. @ 1MHz
- P3-P1 (WITH J2 AND J1 SHORT) : 0.3uH 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) : 1.35 ohms Max.
- 6.0 RETURN LOSS:(P4-P6)=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 (J3-J6).
- 7.0 DIELECTRIC WITHSTAND:(J1, J2) TO (P1, P3) : 1500 Vrms
- (J3, J6) TO (P4, P6) : 1500 Vrms
- 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:1-100 MHz : 40 dB TYP
- 11.0 COMMON TO COMMON MODE ATTENUATION:30MHz TO 100MHz: 35dB TYP



NOTES: 1.0 UNUSED PIN P7 IS OMITTED.

REV. : B			PAGE : 2		
ORIGINATED BY CHOW WANCHUNG	TITLE 10/100BT MagJack® TAB UP, SHIELDED	PART NO. / DRAWING NO. SI-50154-F	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.	
DATE 2018-01-31		FILE NAME SI-50154-F_B.DWG	.X	UNIT : INCH [mm]	
DRAWN BY XIE YIMING			.XX	SCALE : N/A	
DATE 2018-01-31			.XXX	SIZE : A4	



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NOTES:

1. CONNECTOR MATERIALS:

HOUSING: THERMOPLASTIC UL94 V-0

CONTACT/SHIELD: COPPER ALLOY

SHIELD PLATING: NICKEL OR TIN

CONTACT PLATING: 50 MICRO-INCH SELECTIVE HARD GOLD PLATING
OR EQUIVALENT IN CONTACT AREA

2. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.

SEE ELECTRICAL DRAWING FOR OMITTED PINS.

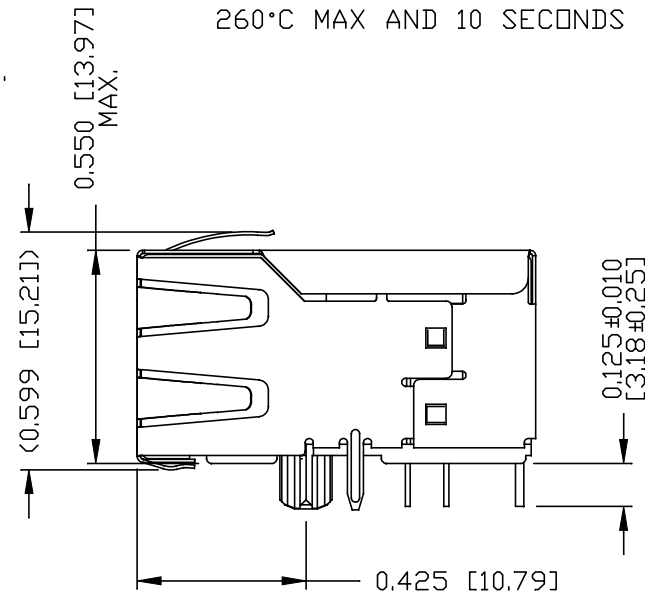
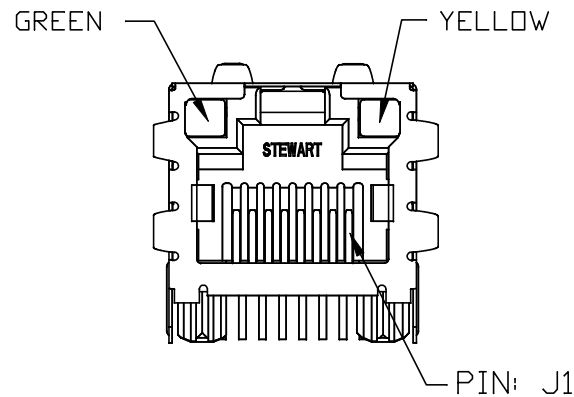
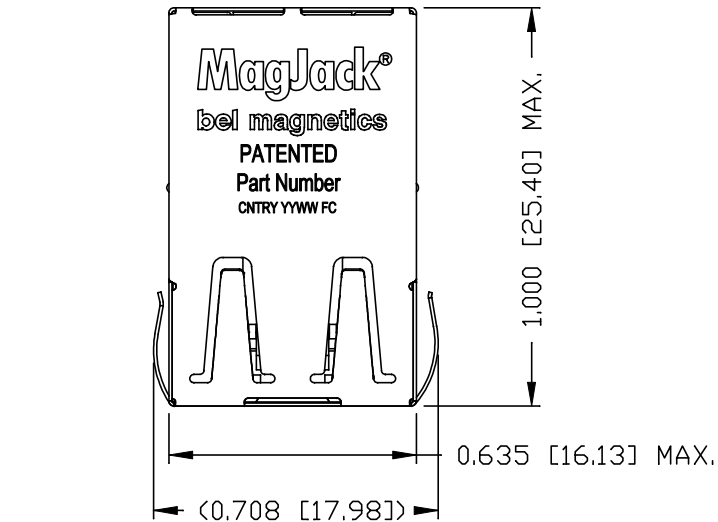
3. TOLERANCES COMPLY WITH TIA-1096 DIMENSION REQUIREMENTS.

4. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ± 0.005 [0.13]

5. THE PRODUCT IS RoHS COMPLIANT.

6. THE PART IS RECOMMENDED FOR WAVE SOLDERING.

THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS
260°C MAX AND 10 SECONDS MAX.



ORIGINATED BY
ANTON LIAO
DATE 2018-01-31

DRAWN BY
LIU DONGJUN
DATE 2018-01-31

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TAB UP, SHIELDED

PART NO. / DRAWING NO.
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TOL. IN INCH

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.XX
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[] METRIC DIM.
AS REF.

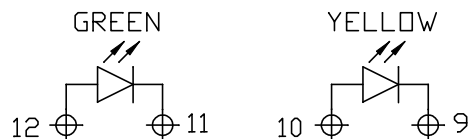
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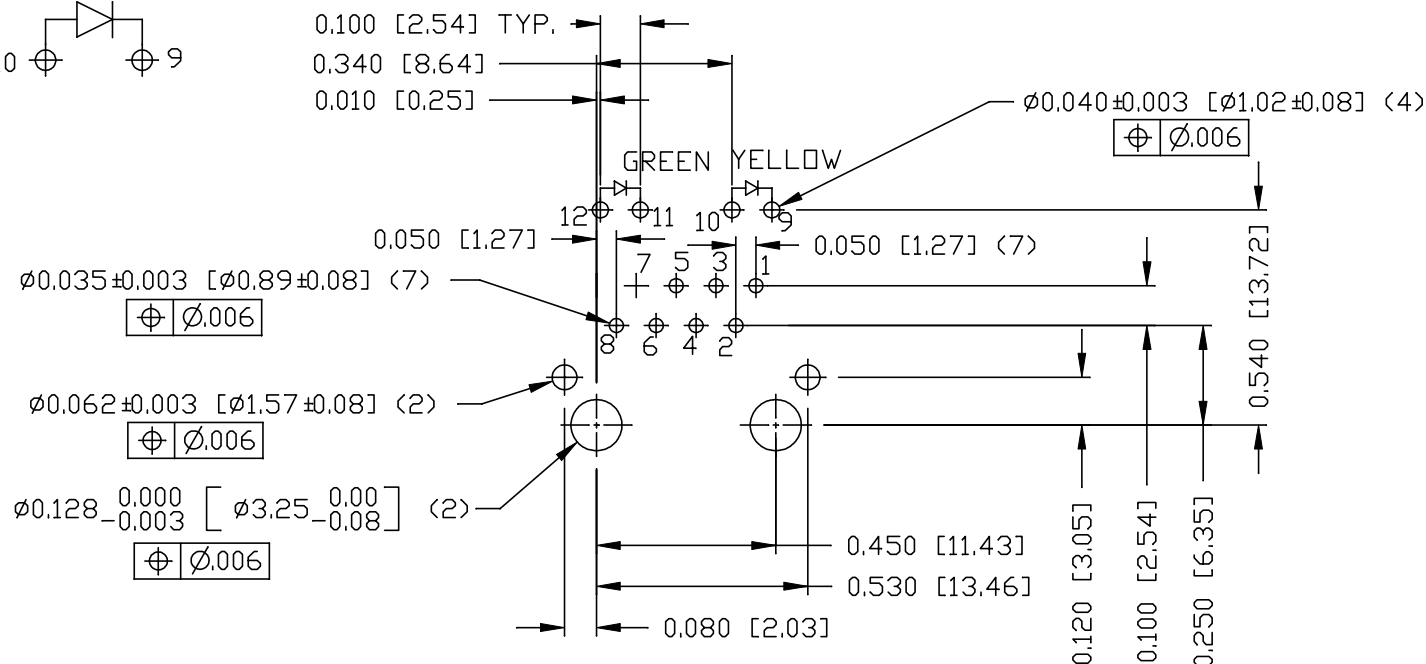


LED POLARITY



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

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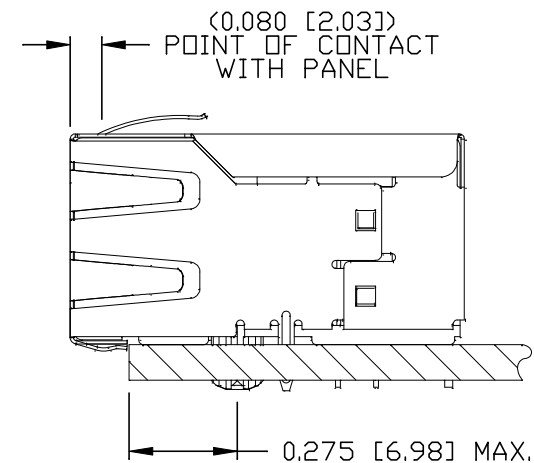
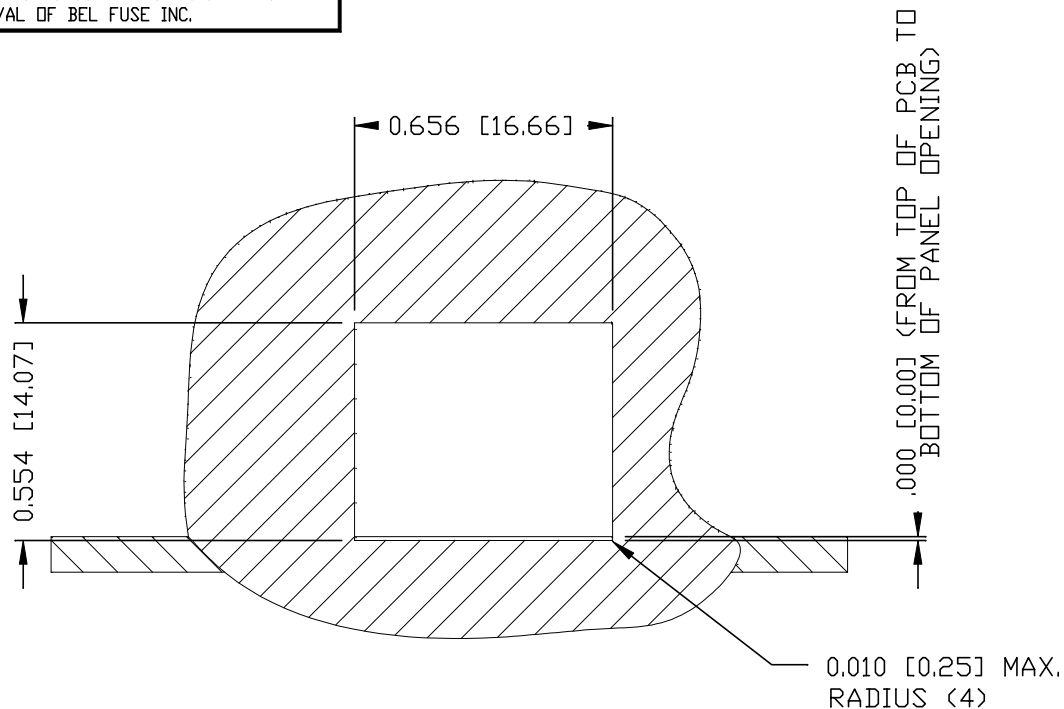
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SUGGESTED PANEL OPENING

NOTES:

THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.


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a bel group

**MAGNETIC
SOLUTIONS**