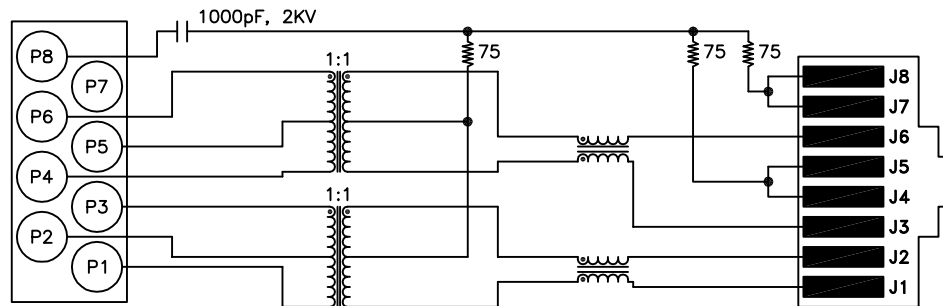




NOTES:

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

ELECTRICAL SPECIFICATIONS:

- 1.0 TURNS RATIO: $\{P6-P5-P4\} : \{J6-J3\}$: 1CT : 1CT $\pm 3\%$
 $\{P3-P2-P1\} : \{J2-J1\}$: 1CT : 1CT $\pm 3\%$
 - 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

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

MagJack

<http://www.stewartconnector.com>

THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND PROPERTY OF BEL STEWART CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT PRIOR WRITTEN CONTENT OF BEL STEWART CONNECTOR. THE SUBJECT MATTER MAY BE PATENTED OR A PATENT MAY BE PENDING.

SHEET
1 OF 3

DRAWING NO.

SI-40088

REV.
01

NOTES:

- "PG4" DESIGNATES INCLUSION OF ALL SIDE PANEL GROUNDS.
- "BZ" DESIGNATES REAR SOLDER TAILS OFFSET .025 AND THE ABSENCE OF BOTTOM PANEL GROUNDS AND SIDE SOLDER TAILS.
- 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
- PINS NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
- SEE ELECTRICAL DRAWING FOR OMITTED PINS.
- STANDARD 50 MICRO-INCH SELECTIVE GOLD PLATING
- REFLOW COMPATIBLE - 230°C/90SECS.

LED SPECIFICATIONS

* FORWARD VOLTAGE (MAX) : 2.5V

* FORWARD VOLTAGE (TYP) : 2.25V GREEN

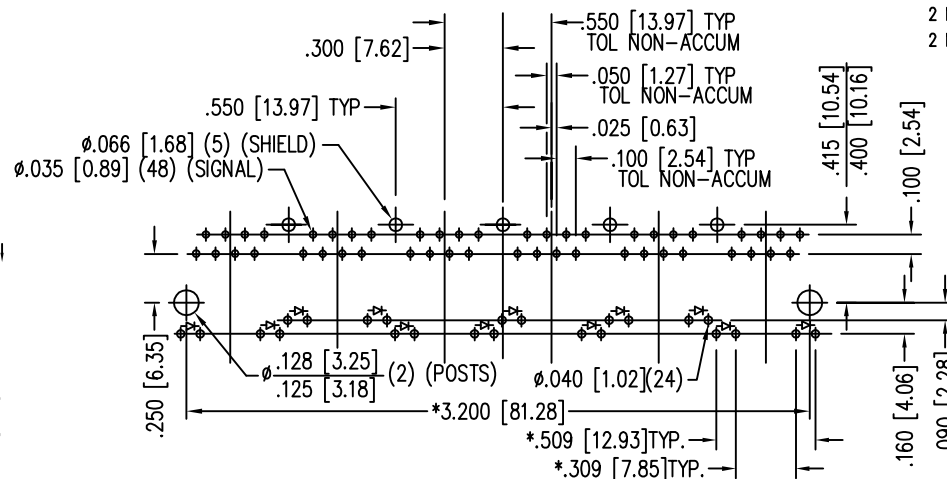
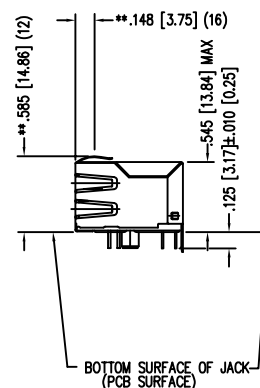
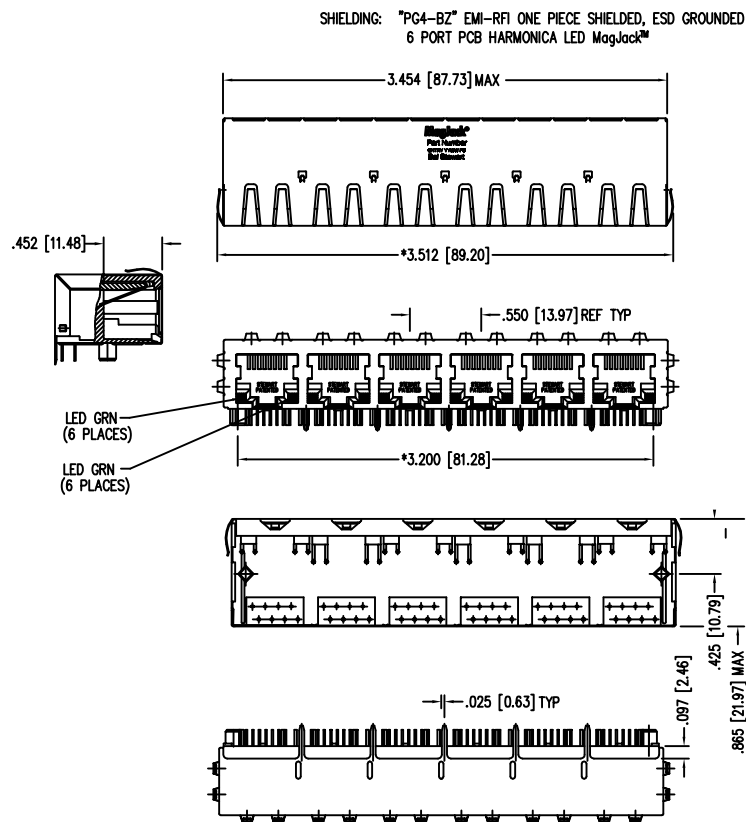
* WITH A FORWARD CURRENT OF 20 mA

POWER DISSIPATION : 105 mW

WAVELENGTH: 590nm

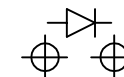
LUMINOUS INTENSITY @ 10mA:

MIN	MAX
2 MCD	8 MCD
2 MCD	8 MCD



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

LED POLARITY
(ENLARGED VIEW)



SINGLE COLOR LED

24-0196

THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND PROPERTY OF BEL STEWART CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT PRIOR WRITTEN CONTENT OF BEL STEWART CONNECTOR. THE SUBJECT MATTER MAY BE PATENTED OR A PATENT MAY BE PENDING.

Bel Stewart Connector

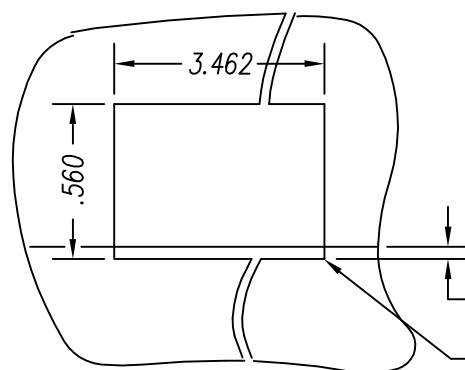
MagJack

SHEET
2 OF 3

DRAWING NO.

SI-40088

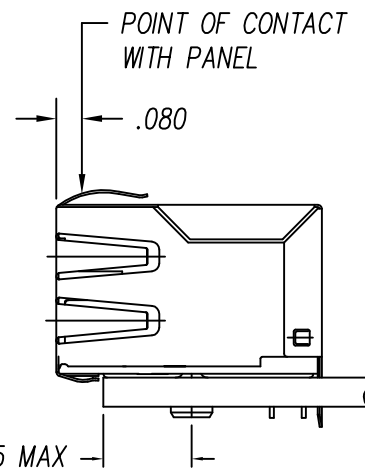
REV.
02



SUGGESTED PANEL OPENING

.000 (TOP OF PCB TO BOTTOM OF OPENING)

.010 MAX. RADIUS(4)



POINT OF CONTACT
WITH PANEL

.080

.275 MAX

CT720035X1/24-0196

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

MagJack®

<http://www.stewartconnector.com>

THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND PROPERTY OF BEL STEWART CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT PRIOR WRITTEN CONTENT OF BEL STEWART CONNECTOR. THE SUBJECT MATTER MAY BE PATENTED OR A PATENT MAY BE PENDING.

SHEET
3 OF 3

DRAWING NO.

SI-40088

REV. 02