

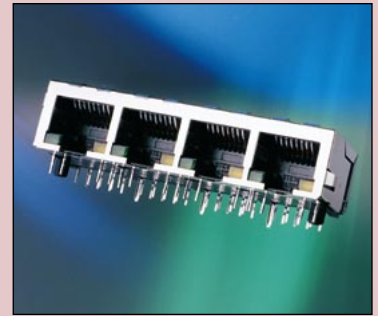
Communications connectors

Order code	Manufacturer code	Description
24-0488	SI-40138	TX WITH LEDS RJ45 ETHERNET JACK (RC)

Communications connectors	Page 1 of 3
The enclosed information is believed to be correct, Information may change 'without notice' due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 04/07/2003

MagJack® ST SI-40000 Series

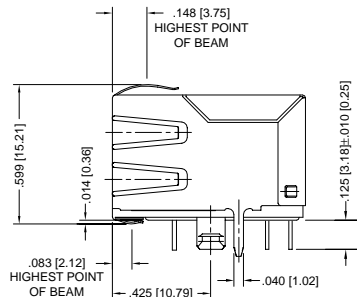
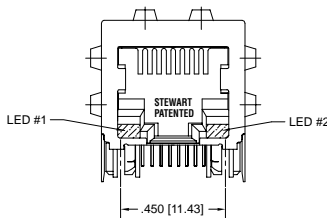
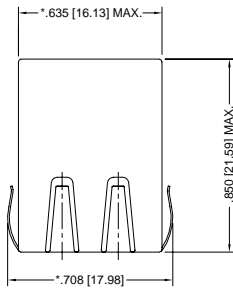
Standard Temperature
 Eight-Contact, Eight-Position
 Single and Multiport
 Shielded/Unshielded
 Integrated LEDs



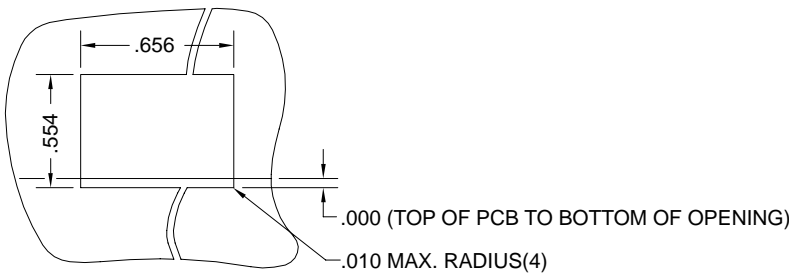
MagJack SI-40000 Series LED MagJack

Available with red, green, or bicolor LEDs, the MagJack SI 40000 connectors are the perfect solution for high performance networking equipment that requires user diagnostic information, such as Hubs, switches, concentrators, bridges and routers, and point-to-point links. And with its long-term dependability, Stewart SI 40000 connectors can help give your network devices a solid edge – lowering warranty costs and increasing customer satisfaction.

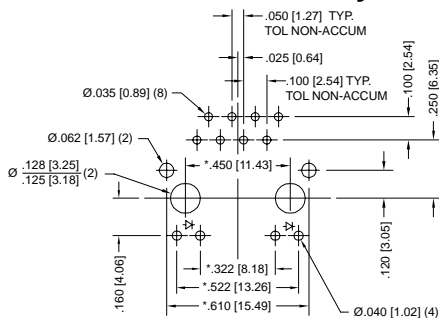
- Full magnetics and choke configurations
- One, four, six port
- Single and bi-color LEDs
- Shielded and unshielded
- Identical form factor as standard jacks
- Gold-plated contacts
- Meet FCC mechanical and dimensional requirements



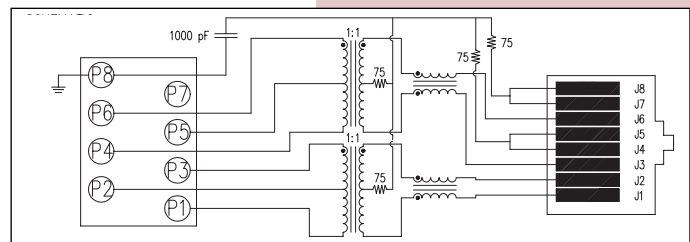
Recommended Panel Cutout



Recommended Board Layout



Typical 10/100BASE-T Circuit Drawing



Information subject to change without notice. To obtain drawings and current specifications, contact Stewart Connector Systems, Inc. 11118 Susquehanna Trail South, Glen Rock, PA 17327-9199. Telephone: 717-235-7512. FAX 717-235-7954. <http://www.stewartconnector.com>

Materials

Housing:	Thermoplastic, UL 94V-0
Contacts:	Copper Alloy
Plating:	Selectively plated gold at 50 microinches over nickel (FCC certifiable) Tin-lead on solder tails
Shield:	Tin-plated brass

Electrical Requirements

Dielectric Withstanding: 1500 VAC *

Insulation Resistance: 500 M Ω (minimum)

Contact Resistance: 15 m Ω (maximum)

Mechanical Requirements

Contact Normal Force: 100 grams (minimum)

Durability: 1000 cycles minimum (using Stewart Connector plug)

Environmental Requirements

High Temperature Life 85° C

Approvals and Certifications

FCC compliant

UL recognition pending

CSA certification pending

* Across both sides of transformers

Stewart Connector Systems, Inc. is ISO 9001 certified.

Ordering Information

When ordering the SI Series MagJack, the 7-digit part number will begin with SI. The remaining 5 digits will be provided by Stewart Connector based on the following criteria:

- MagJack type (StackMagJack, MagJack HT, MagJack XT, etc.)
- Circuit (100Base-T, 10Bast-T, RJ-11, Token Ring, etc.)
- Number of ports
- Shielding options

Consult factory for other available options and configurations.

Stewart Connector is dedicated to providing you with the most accurate and timely customer service. When placing a MagJack order, please be prepared with the following information:

- What type of local area network (LAN) are you using or planning to use?
- What transceiver chips are you using? (manufacturer and part number)
- What type of filtering does your application require?
- What configuration does your application require? (hub, switch, router, etc.)
- How many ports are required per connector?
- Will you need shielding? Does that shielding need to be enhanced in any way?
- Are there other special application requirements? (high temperature, surface mount, integrated LEDs, etc.)

Stewart Connector understands the importance of choosing the connector that's perfect for your needs. That's why we've created an online Web-based application that takes the guesswork out of selecting the connector that matches your specific requirements. The MagJack Specifier, found at www.stewartconnector.com/magjackspecifier, provides detailed information, mechanical and electrical circuit drawings, and ordering information for the complete line of MagJack connector products.

Stewart Connector Systems, Inc. Insilco Technologies Group

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Insilco Technologies Group

www.insilcotechnologies.com

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