

samtec

Modified and Custom Interconnects

MICRO

**SIGNAL
INTEGRITY**

**RUGGED
POWER**



Express Modifications

- Quick turn prototype samples
- Short lead times
- Low or no Nonrecurring Engineering Charges (NREs)
- Low or no tooling charges
- Low or no Minimum Order Quantity (MOQ)

If a standard Samtec product in our catalog is close but not quite what you need, an Express Modification can be quickly and economically achieved.

Pin modifications

Body modifications

Screen printing

Special plating

Special cables and wiring

Multiple stack bodies

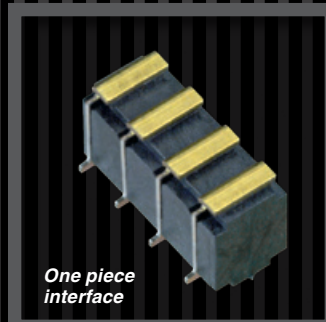
Special polarizations

Sudden Circuits®

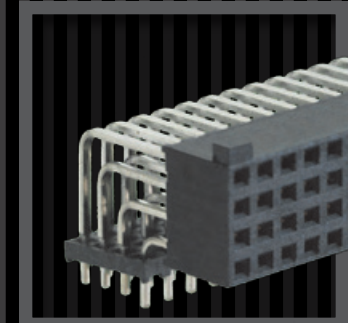
www.samtec.com/suddencircuits



Special bends
and selective
gold plating



One piece
interface



Standard socket,
modified right angle,
extra body for stability



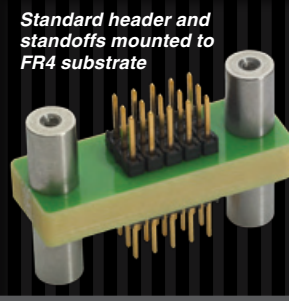
Standard header with
modified footprint and
alignment holes



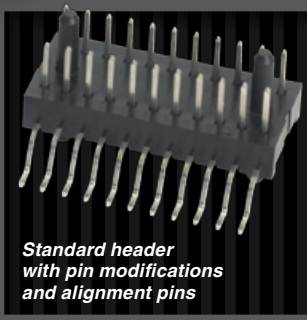
Standard IDC
cable with
EMI shielding
and ferrite,
anti-abrasion
copper shield



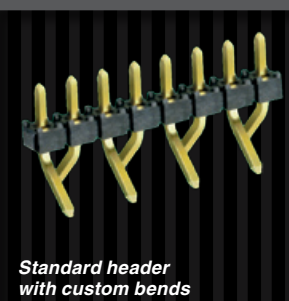
Standard header
with custom
bent pins and
pick-and-place pad



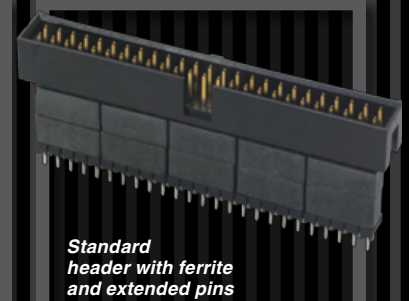
Standard header and
standoffs mounted to
FR4 substrate



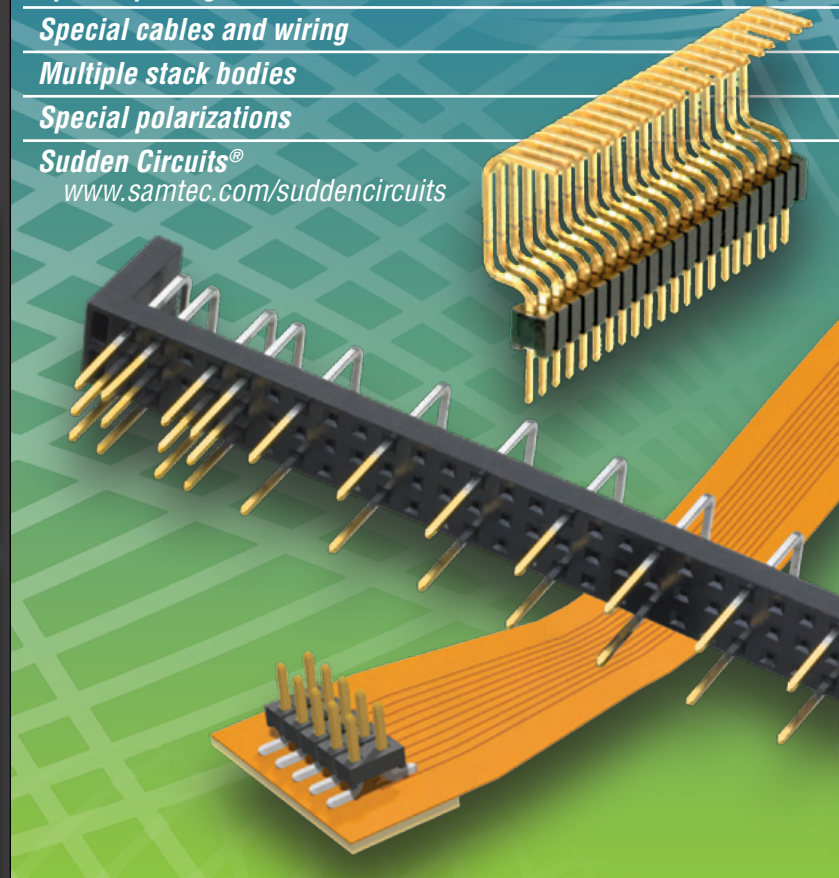
Standard header
with pin modifications
and alignment pins

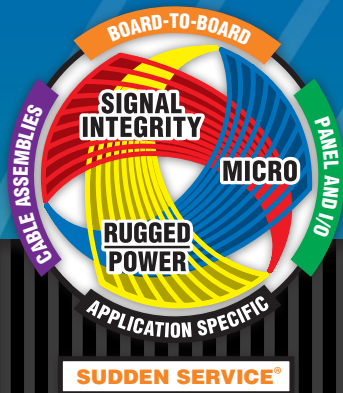


Standard header
with custom bends

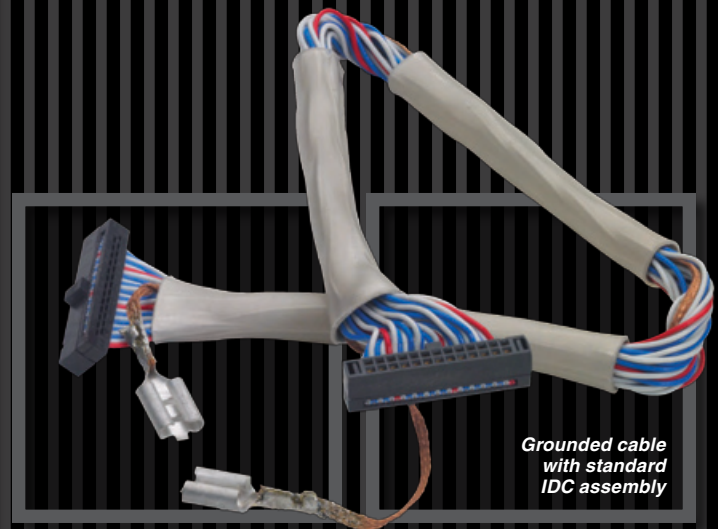


Standard
header with ferrite
and extended pins





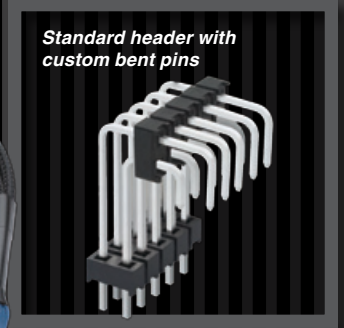
samtec



Grounded cable with standard IDC assembly



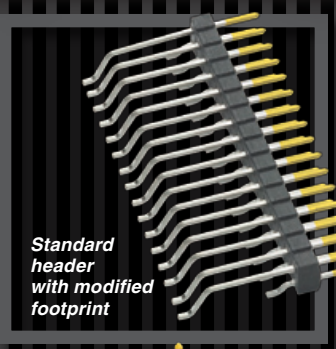
Standard assembly with custom cable



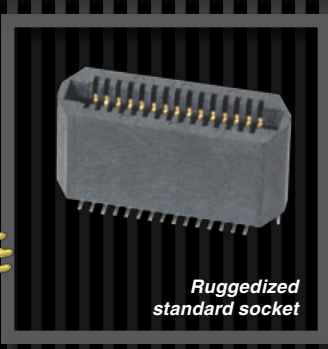
Standard header with custom bent pins



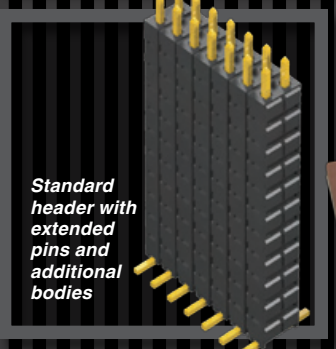
Standard cable with band for processing



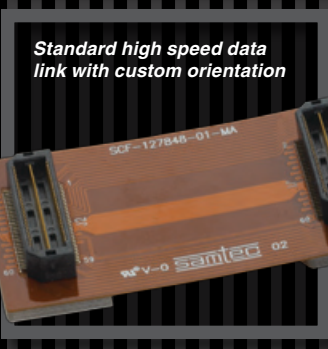
Standard header with modified footprint



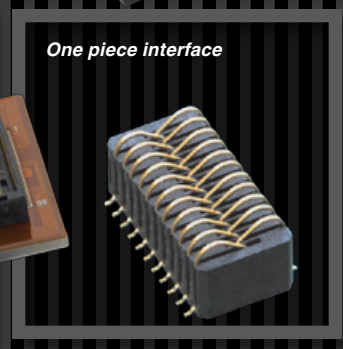
Ruggedized standard socket



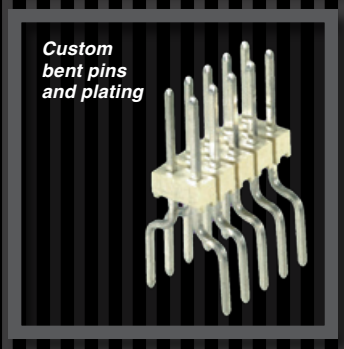
Standard header with extended pins and additional bodies



Standard high speed data link with custom orientation



One piece interface



Custom bent pins and plating

Engineered Customs

- **Full engineering support**
- **Complete design and development support**
- **Vertical integration**
- **Connector design expertise**
- **Samtec Sudden Service®**

Samtec's Signal Integrity expertise, in-house manufacturing, and can-do attitude make Engineered Custom interconnects a realistic alternative.

Custom pins, contacts, and stampings

Plastic insulators and housings

Special platings and metals (non-magnetic, ferrite free)

High speed flex circuit assemblies

High speed coax and twinax cable assemblies

Rugged locking, latching and screw down systems

Custom wiring and molding

Special Packaging

Custom
pin/housing
termination

Combination coaxial
grounds and open pin
field array

Non-magnetic
interconnects

3G panel
interface with
coax cable to
Edge Rate™
connector

Custom
wiring

Custom
interconnect for
existing housing

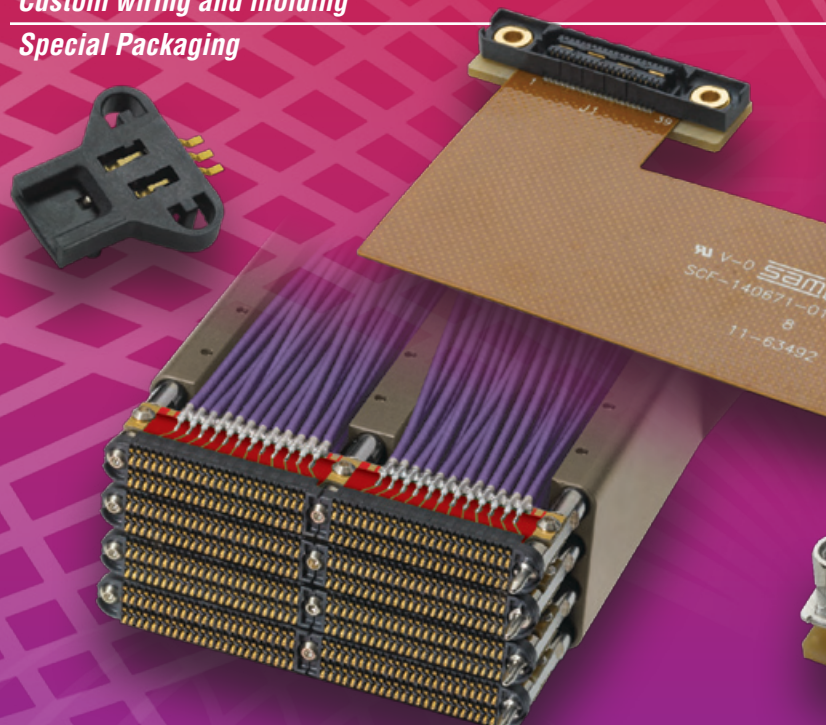
Flex with custom
right angle connector

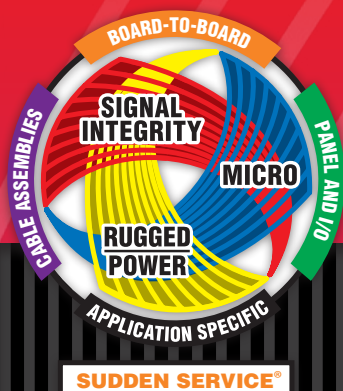
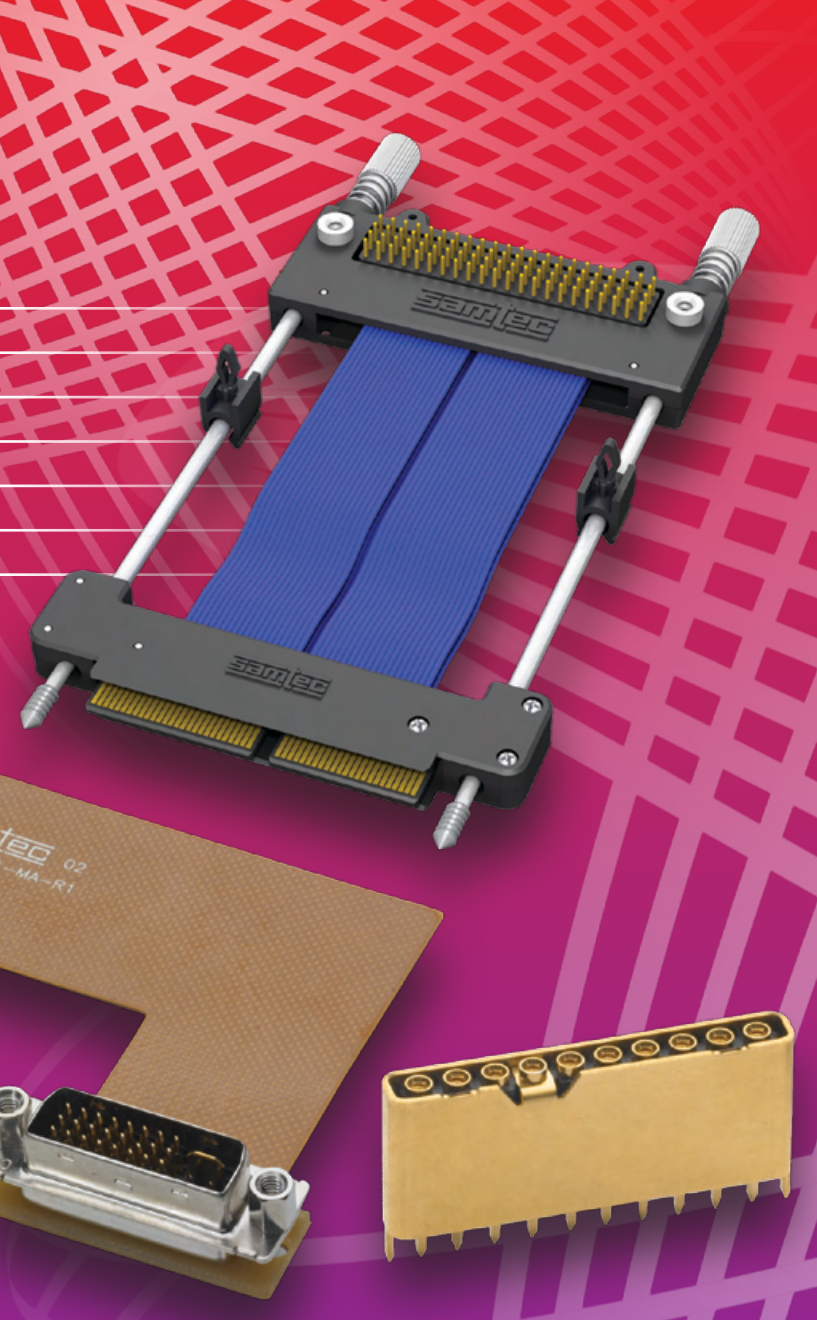
Special crimps
and plating

Multi-layer
"daisy chain"
flex with
standard
Samtec
board level
interconnects

Multi-layer flex with
passive components
(resistors, capacitors)

Custom molded
housing and
footprint

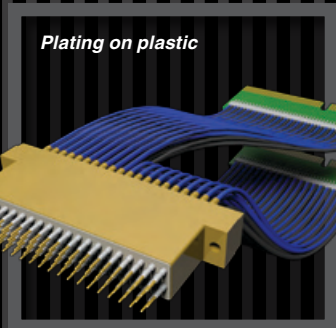




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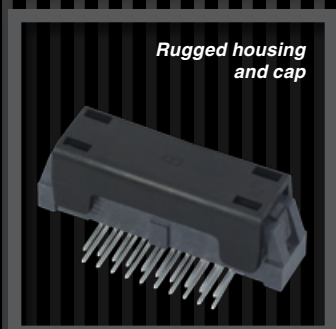
Micro with guide posts



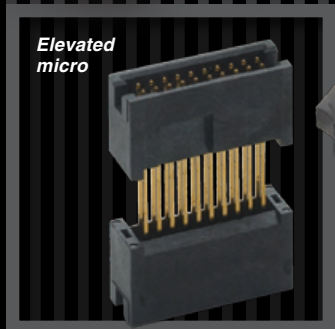
Plating on plastic



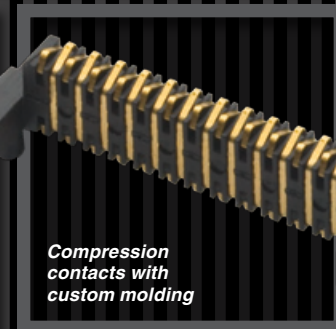
Standard I/O with custom termination



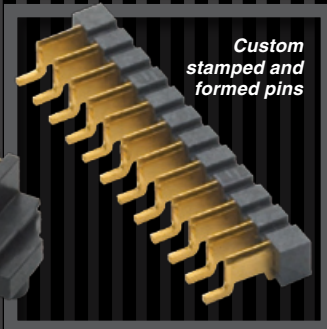
Rugged housing and cap



Elevated micro



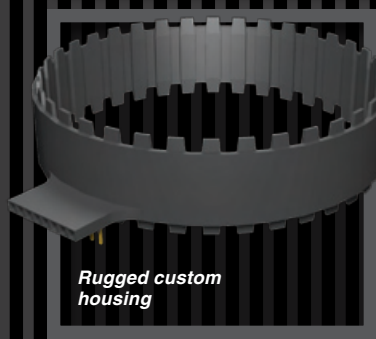
Compression contacts with custom molding



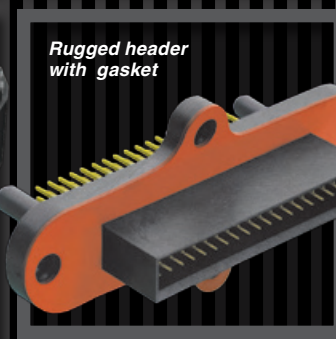
Custom stamped and formed pins



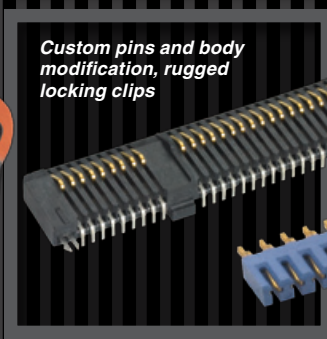
Custom RF, pin combination



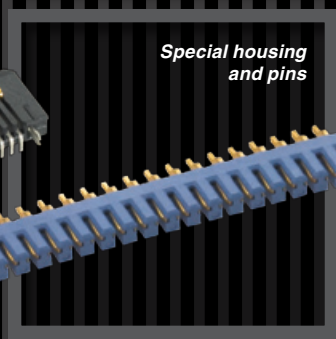
Rugged custom housing



Rugged header with gasket



Custom pins and body modification, rugged locking clips



Special housing and pins

Interconnect Capabilities

- Full engineering, design, and prototype support
- Design, simulation and processing assistance
- Quotes and samples turned around in 24 hours
- Flexible, quick turn manufacturing
- Dedicated ASP engineers and technicians

Samtec's award-winning customer service and in-house capabilities provide the ultimate in design and service flexibility.

SAMTEC INTERCONNECT SYSTEMS

Board-to-Board

Cable Assemblies

Panel and I/O

SAMTEC DESIGN FLEXIBILITY

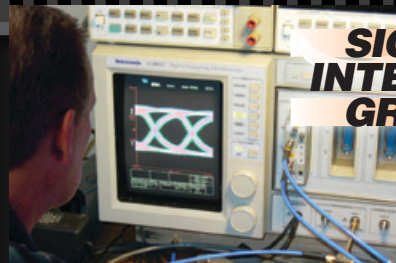
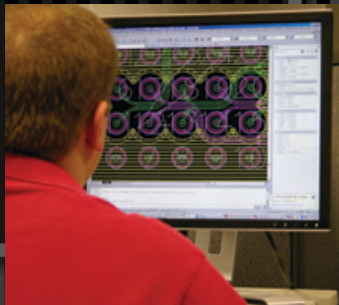
Signal Integrity

Micro

Rugged/Power

Sudden Service®: weaving capabilities and willingness

Engineering team
dedicated to customs



Signal Integrity Group

**SIGNAL
INTEGRITY
GROUP**



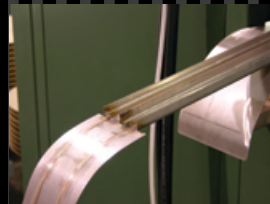
Interconnect
Processing Group

In-house quick-turn and flexible manufacturing capabilities

Flex circuit manufacturing



Flexible assembly machines



Stamping
and
forming



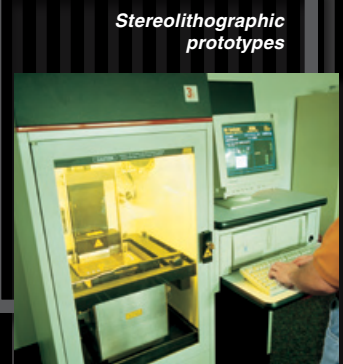
In-house engineering, design and development capabilities



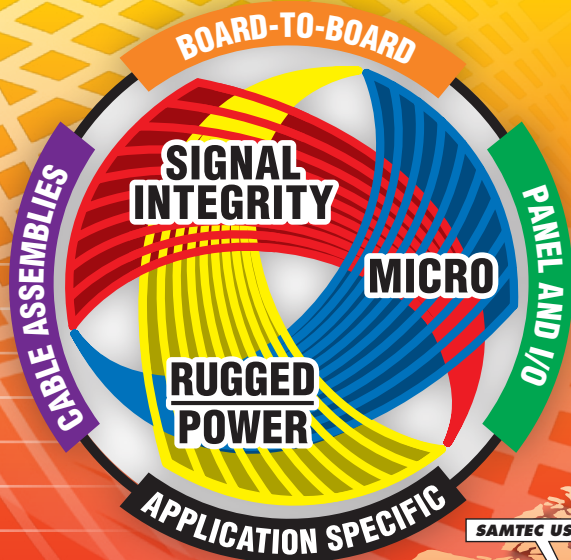
Signal
Integrity
Services
Group



Product design and
engineering



Stereolithographic
prototypes



samtec

Samtec has both the capability and the willingness to "weave" products and features together for application specific solutions.



Worldwide support

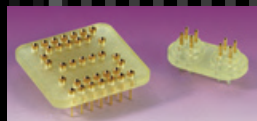
WORLD DIRECT



24 hour quotes and samples

Standard lead time one week or less on most products

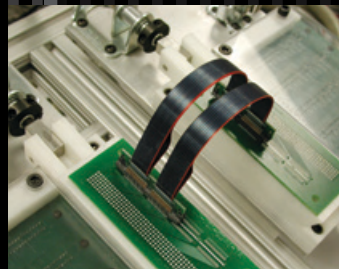
Quick prototypes



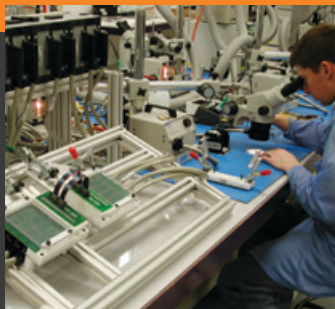
Barrel, strip and plastic plating



High speed cable assembly manufacturing



Substrate fabrication and processing



Mold & tooling design and fabrication



High speed bulk cable design and fabrication



Tape-and-reel fabrication

Test and development lab



SUDDEN SERVICE



SAMTEC USA

P.O. Box 1147 • New Albany, IN 47151-1147 USA
1-800-SAMTEC-9 (USA & Canada) • Tel: 812-944-6733 • Fax: 812-948-5047 • E-mail: info@samtec.com

SAMTEC SILICON VALLEY

985 University Avenue • Suite 38 • Los Gatos, CA 95032-7636
Tel: 408-395-5900 • Fax: 408-395-1520 • E-mail: samtecsiliconvalley@samtec.com

SAMTEC SOUTHERN CALIFORNIA

5410 Trabuco Road • Suite 120 • Irvine, CA 92620
Tel: 800-726-8329 • E-mail: samtecsoutherncalifornia@samtec.com

SAMTEC UNITED KINGDOM

117 Deerdykes View • Westfield, Cumbernauld • Scotland G68 9HN
Tel: 44 01236 739292 • Fax: 44 01236 727113 • E-mail: scotland@samtec.com

SAMTEC GERMANY

Streiflacher Str. 7 • 82110 Germering • Germany • 0800-SAMTEC9 (0800 / 72 68 329) Germany only
Tel: +49 (0) 89 / 89460-0 • Fax: +49 (0) 89 / 89460-299 • E-mail: germany@samtec.com

SAMTEC FRANCE

2, Allée Emile Cohl • Europarc Torcy • 77200 Torcy • France
Tél: 33 01 60 95 06 60 • Fax: 33 01 60 95 06 61 • E-mail: france@samtec.com

SAMTEC ITALY

Via Colleoni 25 • Centro Direzionale Colleoni • Palazzo Pegaso Ingresso 3 • 20041 Agrate Brianza-Milano • Italy
Tel: 39 039 6890337 • Fax: 39 039 6890315 • E-mail: italy@samtec.com

SAMTEC NORDIC/BALTIC

Solkraftsvägen 25 • 13570 Stockholm • Sweden
Tel: +46-8-4477280 • Fax: +46-8-7420413 • E-mail: scandinavia@samtec.com

SAMTEC BENELUX

117 Deerdykes View • Westfield, Cumbernauld • Scotland G68 9HN
Tel: 44 01236 739292 • Fax: 44 01236 727113 • E-mail: benelux@samtec.com

SAMTEC ISRAEL

7 Jabotinski St. • Moshe Aviv Tower • Ramat Gan, Israel 52520
Tel: 972-3-7526600 • Fax: 972-3-7526690 • E-mail: israel@samtec.com

SAMTEC INDIA

#26/2, 1st Floor, Bugle Rock Road • Basavanagudi • Bangalore • 560 004 India
Tel: 91 80 3272 1612 • Fax: 91 80 4152 8187 • E-mail: india@samtec.com

SAMTEC ASIA PACIFIC

1 Kallang Sector #05-01/02 • Kolam Ayer Industrial Park • Singapore 349276
Tel: 65 6745-5955 • Fax: 65 6841-1502 • E-mail: singapore@samtec.com

SAMTEC JAPAN

Leaf Square Bldg. • 3-7-3, Shinyokohama, Kohoku-ku • Yokohama-shi, Kanagawa 222-0033 Japan
Tel: 045-475-1385 • Fax: 045-475-1340 • E-mail: japan@samtec.com

SAMTEC CHINA

Room 1701, Building C, Technology Mansion • No 900 Yishan Road • Shanghai, China 200233
Tel: 86-21 61103766 • Fax: 86-21 5423 4575 • E-mail: china@samtec.com

SAMTEC TAIWAN

10F-1, No. 180, Sec. 2 • Dunhua S. Rd. • Da-an District • Taipei City 10669 • Taiwan (R.O.C.)
Tel: 886-2-2735-6109 • Fax: 886-2-2735-5036 • E-mail: taiwan@samtec.com

SAMTEC HONG KONG

Room 18, 13/F, Shatin Galleria • 18-24 Shan Mei Street • Fo Tan, Shatin, Hong Kong
Tel: 852-26904858 • Fax: 852-26904842 • E-mail: hongkong@samtec.com

SAMTEC KOREA

RM 1067, Trapalace B/D • 10-1 Soonae-Dong, Bundang Gu • Seongnam-Si, Kyunggi-Do • 463-825 Korea
Tel: 82-31-717-5685 • Fax: 82-31-717-5681 • E-mail: korea@samtec.com

SAMTEC ANZ

5 Berrigan Court Oakleigh South • Victoria 3167, Australia
Tel: 613 9512 7747 • Fax: 613 9512 7745 • E-mail: australia@samtec.com

SAMTEC SOUTH AFRICA

189 First Ave. • Edenvale • Gauteng • South Africa, 1610
Tel: 27 11 452 8112 • Fax: 27 866 714 432 • E-mail: africa@samtec.com

SAMTEC ON-LINE

Internet: www.samtec.com