1.27 mm (.050") PITCH TIGER EYE™ SYSTEMS

- Tiger Eye™ contact system for high-reliability and high cycle applications
- Multi-finger BeCu contacts provide redundant points of contact along with the best combination of mechanical and electrical properties
- 3 to 100 total positions in single or double row
- 28 or 30 AWG PVC or Teflon® cable
- Rugged retention latching & screw down options
- Available as complete assemblies or components; see page 7 for tooling options
- Terminal cable assemblies available (TFSS/TFSST, TFSD/TFSDT Series)

Components

- Single or Double Row Body (ISDF Series)
- Crimp Contact (CC03 Series)

Mates

- Terminal Strip, Single or Double Row (TFM Series)
- Cost-Saving Terminal Strip, Double Row (TFC Series)

samtec.com/127mm-tigereye
**0.80 mm PITCH TIGER EYE™ SYSTEM**

- High-reliability Tiger Eye™ contact system
- 10 to 40 total positions in a double row design
- 32 AWG Teflon® cable
- Rugged latching system
- Available as complete assemblies or components; see page 7 for tooling options

**COMPONENTS**

![Double Row Body (ISDE Series)](image)

![Crimp Contact (CC396 Series)](image)

**2.00 mm PITCH TIGER EYE™ SYSTEMS**

- Rugged Tiger Eye™ contact system
- 10 to 600 total positions in a double row design
- 24 to 30 AWG PVC or Teflon® cable
- Retention latching and screw down options
- Available as complete assemblies or components; see page 7 for tooling options
- Terminal cable assemblies available (T2SD/T2SDT Series)

**COMPONENTS**

![Double Row Body (ISD2 Series)](image)

![Crimp Contact (CC81 Series)](image)
RUGGED MICRO MATE™ SYSTEMS

SPACE-SAVING • DESIGN FLEXIBILITY • HIGH-RELIABILITY

1.00 mm PITCH MICRO MATE™ SYSTEMS

- Crimp-style dual leaf contact system for reliable wire-to-board connection
- 28 and 30 AWG wire options in PVC or Teflon®
- Rugged positive latching for increased retention

- Socket or terminal, single or double row assemblies
- Vertical and right-angle mating headers
- Available as complete assemblies or components; see page 7 for tooling options

COMPONENTS

- Single & Double Row Bodies (ISS1, ISD1 Series) and Crimp Contact (CC09 Series)
- Single & Double Row, Panel Mount Bodies (IST1, IDT1, ISP1, IDP1 Series) and Crimp Contact (TC37 Series)

samtec.com/micromate
FLEXIBLE POWER
ISOLATED POWER

INDIVIDUALLY SHROUDED CONTACTS • UP TO 10.3 AMPS • DESIGN FLEXIBILITY

MINI MATE® SYSTEMS
- Individually shrouded contacts for electrical and mechanical protection
- .165" (4.19 mm) pitch
- Standard and high-power versions
- Available as complete assemblies or components; see pg. 7 for tooling options
- Mini Mate® panel mount and 2.54 mm pitch universal assemblies available

COMPONENTS
- Single or Double Row Body (IPD1 Series)
- Crimp Contact (CC79 Series)

POWER MATE® SYSTEMS
- Individually shrouded contacts for electrical and mechanical protection
- 16 to 24 AWG PVC or Teflon® cable
- Polarization and rugged latching system
- Available as complete assemblies or components; see pg. 7 for tooling options

COMPONENTS
- Single or Double Row Body (IPBD Series)
- Crimp Contact (CC69 Series)

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FLEXIBLE POWER
HIGH POWER

UP TO 34.5 AMPS • SMALL FORM FACTORS • POWER & POWER/SIGNAL

mPOWER® ULTRA MICRO SYSTEMS
• High power solution in a micro footprint
• 2.00 mm pitch; 2–10 power blades
• 16 and 18 AWG discrete wire cable
• Metal or plastic rugged latching system

POWERSTRIP™ SYSTEMS
• PowerStrip™/30 on 5.00 mm pitch
• PowerStrip™/40 on .250” (6.35 mm) pitch
• Power only & power/signal combination
• Dual leaf blade contacts

COMPONENTS
Power Socket Bodies (IMS5, IPS6 Series), Signal/Power Socket Bodies (IMSC5) and Crimp Contacts (CC46, CCB1, CC10 Series)

In Development: Cable-to-Cable System with 2–10 positions, rugged Teflon® Cable, and latching

Tin or 10 μ" Gold plated power blades; 30 μ" Gold plating available to meet specific regulations

10 to 30 AWG discrete wire cable
• Polarized guide posts and positive latching systems
• Available as complete assemblies or components; see page 7 for tooling options

SAMTEC.COM/MPower • SAMTEC.COM/POWERSTRIP30 • SAMTEC.COM/POWERSTRIP40
The expansive options and reliability of Samtec’s micro discrete wire products, coupled with flexible manufacturing and willingness, create the opportunity to provide a variety of end two options, or special request solutions. Capabilities include:

- Nylon woven sleeves
- Twisted pairs
- Heat shrinks
- Color coding
- Selective population
- Barrel crimp
- Ring/spade lug terminal
- Break-outs
- Panel mount options
- Sealing
- Harness style crimp

Contact discretewire@samtec.com

Samtec offers a variety of tooling for our discrete wire assembly components:

- Hand tools for low volume, pre-production and repair applications
- Quick-change semi-automatic crimp applicators compatible with industry standard equipment
- Wire ranges from 10 to 32 AWG
- Variety of additional application-specific hardware and field services

Visit samtec.com/tooling for instruction sheets and information on extraction tools and bench mount clamps.