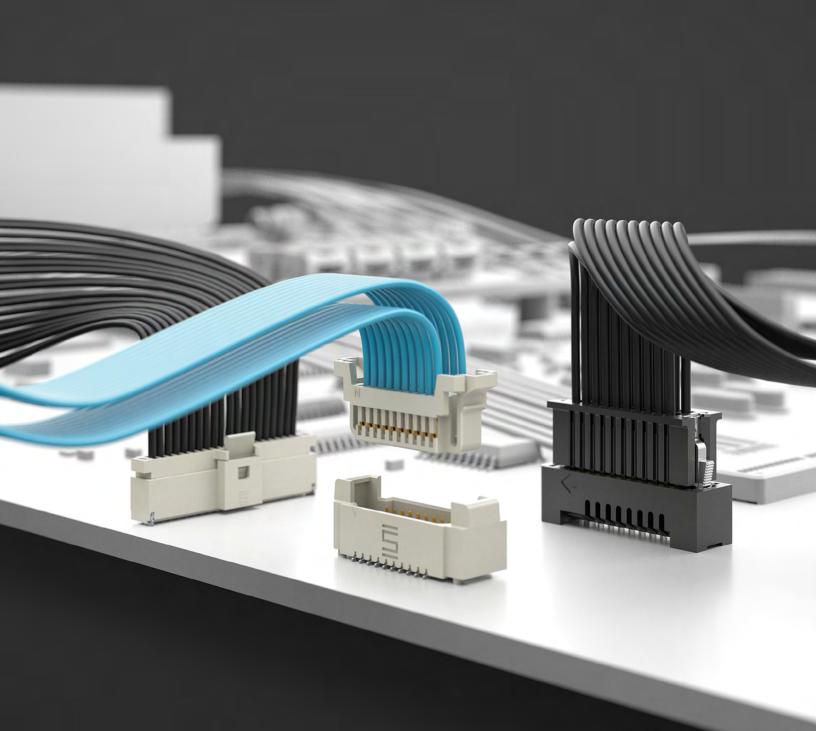


MICRO DISCRETE WIRE

APPLICATION DESIGN GUIDE 2016



MICRO DISCRETE WIRE SOLUTIONS

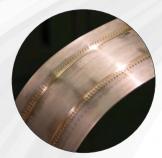


ADVANCED INTERCONNECT DESIGN

System engineered for high-reliability performance



High-precision micro molding for fine pitch and small form factor interconnects



Stamped and formed BeCu contacts for high-reliability and high mating cycles



Specialized cable including high-temp and custom color coded



Automated assembly capabilities for speed, reliability and quality control

MICRO DISCRETE WIRE: CUSTOM SOLUTIONS

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.

Capabilites

- Nylon woven sleeves
- Twisted pairs
- Heat shrink
- Color coding
- Selectively populated
- Barrel crimp
- Ring/Spade lug terminal
- Break out
- Panel mount
- Sealed
- Harness style crimp

Contact discretewire@samtec.com



DISCRETE WIRE TOOLING

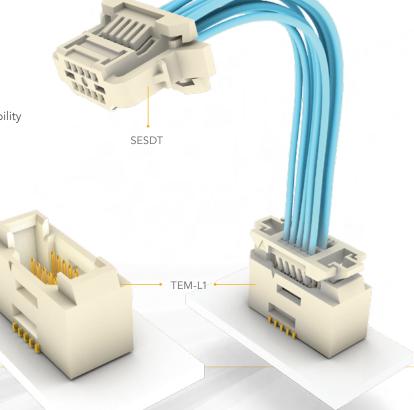
- Hand tools for low volume, pre-production and repair applications
- Quick-change semi-automatic crimp applicators compatible with industry standard equipment
- Wire ranges from 32 to 10 AWG
- Wide variety of additional application specific hardware and field service capabilities
- Visit samtec.com/discretewire or samtec.com/tooling



0.80 MM PITCH TIGER EYE™ DISCRETE WIRE

The 0.80 mm pitch Tiger Eye™ discrete wire sccket cable assembly (SESDT Series) is available in a double row design with 32 AWG *Teflon® cable for use in high temperature and other harsh environments where saving board space is crucial.

- High reliability Tiger Eye™ contact system
- Double row socket
- 10 to 40 total positions
- Standard 32 AWG Teflon® cable
- High mating cycles with board level terminal
- Rugged latching system for harsh environments
- Board level terminal with surface mount tails and through-hole weld tabs for increased stability
- Available as components or complete assemblies



TOOLING

- Hand Tool CAT-HT-396-3232-12
- Mini Applicator CAT-MA-396-3232-XX-03

COMPONENTS



Double Row Body



MATE



Micro Terminal Strip, Double Row, Vertical *DuPont™ Teflon® is a registered trademark of the E.I. du Pont de Nemours and Company or its affiliates.



COMPONENTS

ISS1 ISD1

Single Row Body Double Row Body

CC09 Crimp Contact

MATE



Terminal Strip, Single or Double Row, Vertical or Right-angle

.050" PITCH TIGER EYE™ DISCRETE WIRE ASSEMBLIES

The .050" pitch Tiger Eye™ discrete wire cable assemblies (SFSS/SFSST, SFSD/SFSDT Series) are designed for high-reliability and high cycles in micro rugged applications with options available to ensure the best combination of mechanical and electrical properties.

 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

- Single and double row cable assemblies
- Available in 28 and 30 AWG PVC or Teflon® cable
- Total pin counts from 3 to 100
- Performance up to 2.9 A per pin
- Shrouded, polarized and keyed for more rugged applications
- Choice of single or double ended
- Retention latching system for higher withdrawal forces
- Screw down option available for double row assembly
- Shrouded board level mates available
- Available as complete assemblies or components
- Cable plugs available (TFSS/TFSST, TFSD/TFSDT, TSDF, T1M44 Series)

TOOLING

- Hand Tool CAT-HT-203-2830-12
- Mini Applicator CAT-MA-203-2830-XX-01

COMPONENTS

ISDF

Single or Double Row Body



Crimp Contact

MATES

TFM

SFSDT



SESS

TFM

Terminal Strip, Single or Double Row



Cost-saving Terminal Strip, Double Row

2.00 MM PITCH TIGER EYE™ DISCRETE WIRE



COMPONENTS

ISD2 CC81

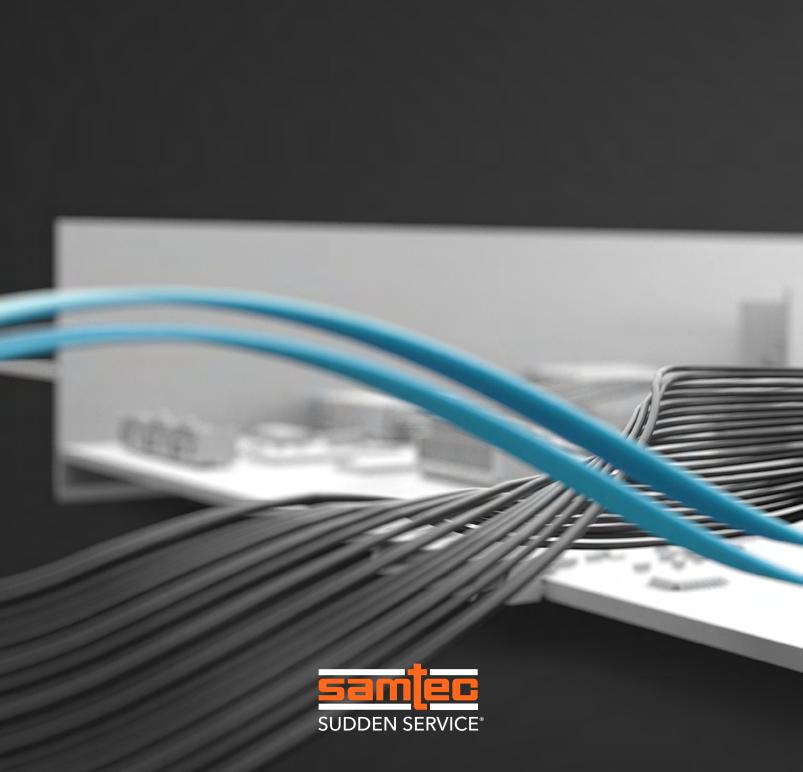
Double Row Body

Crimp Contact

MATE



For complete specifications visit www.samtec.com/discretewire



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