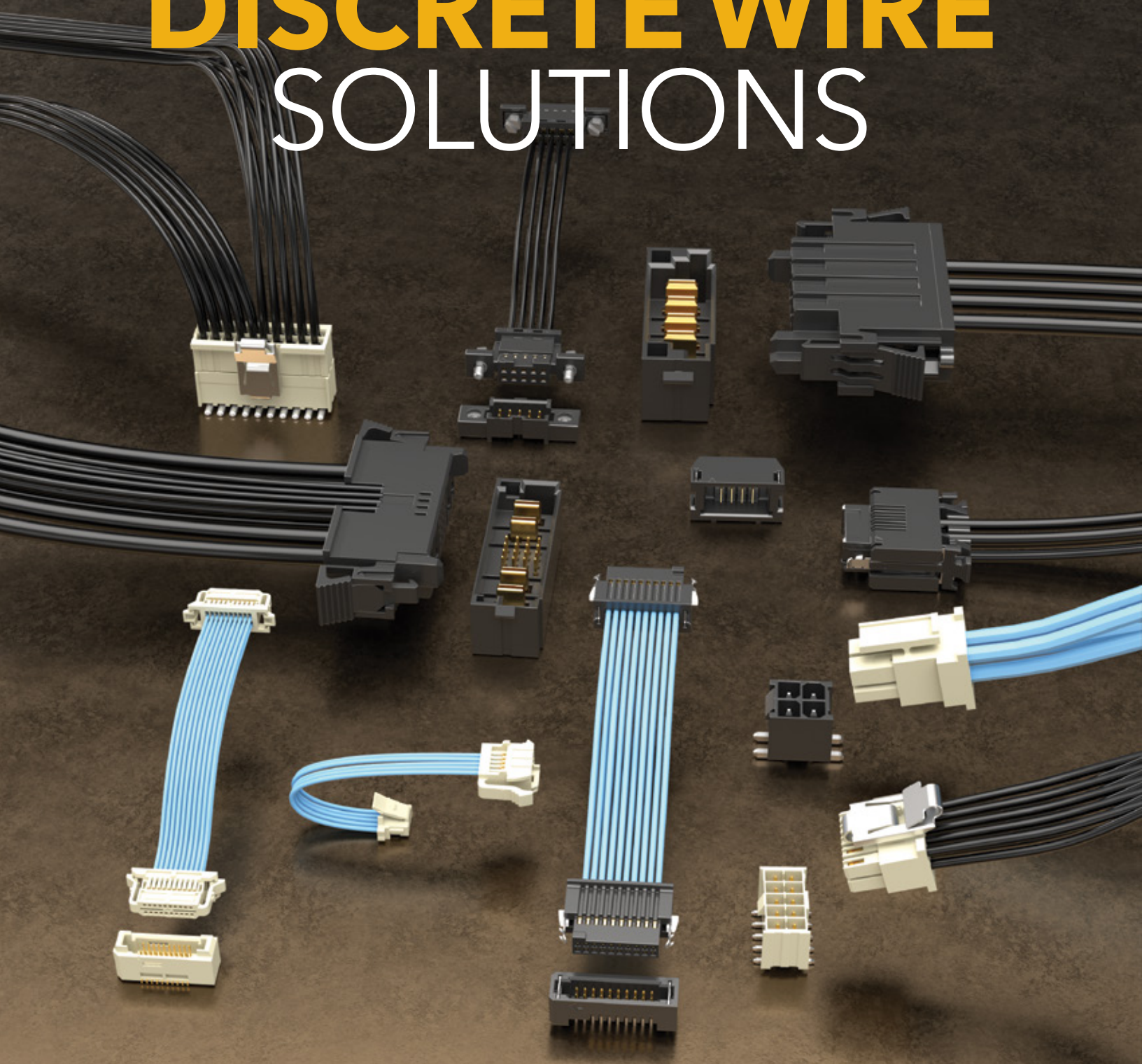




DISCRETE WIRE SOLUTIONS



RUGGED TIGER EYE™ SYSTEMS

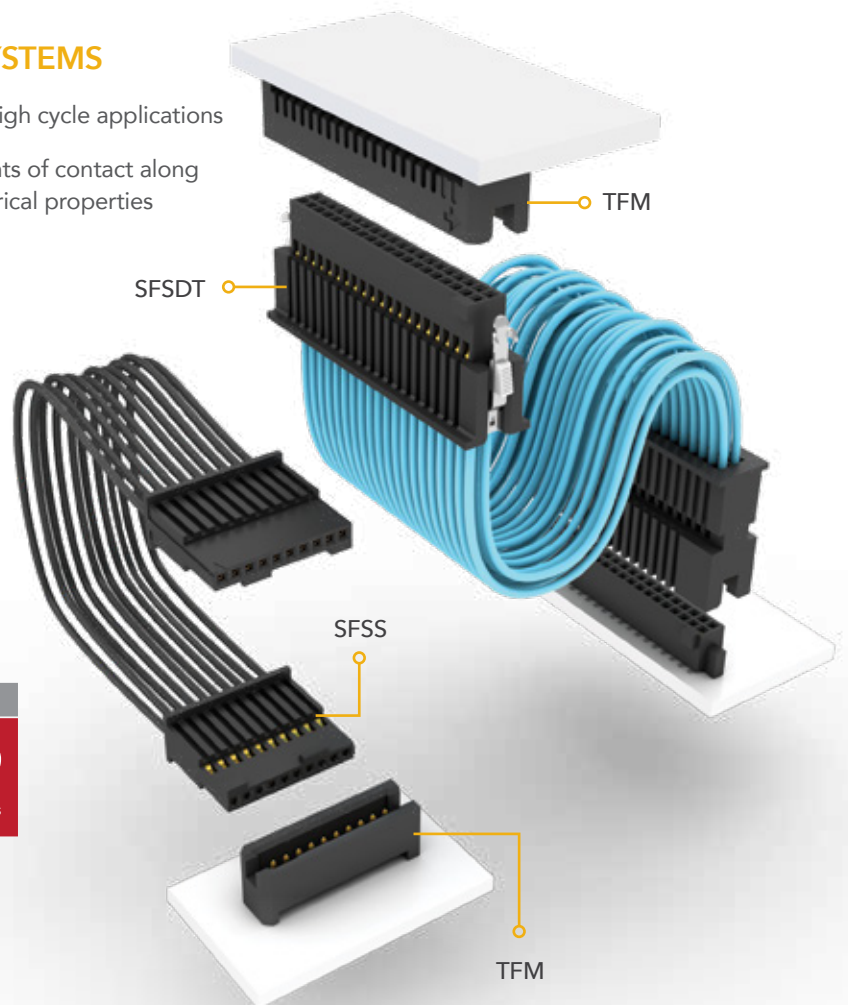
HIGH-RELIABILITY • MULTI-FINGER BeCu CONTACT • HIGH MATING CYCLES

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)

**TIGER
EYE™**
SYSTEM

MAX
2.9
A m p s



COMPONENTS

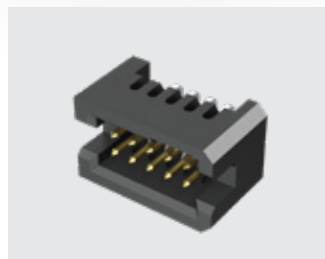


Single or Double Row Body
(ISDF Series)

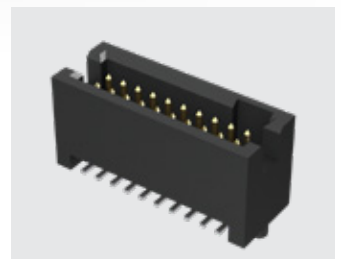


Crimp Contact
(CC03 Series)

MATES



Terminal Strip, Single or
Double Row (TFM Series)



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

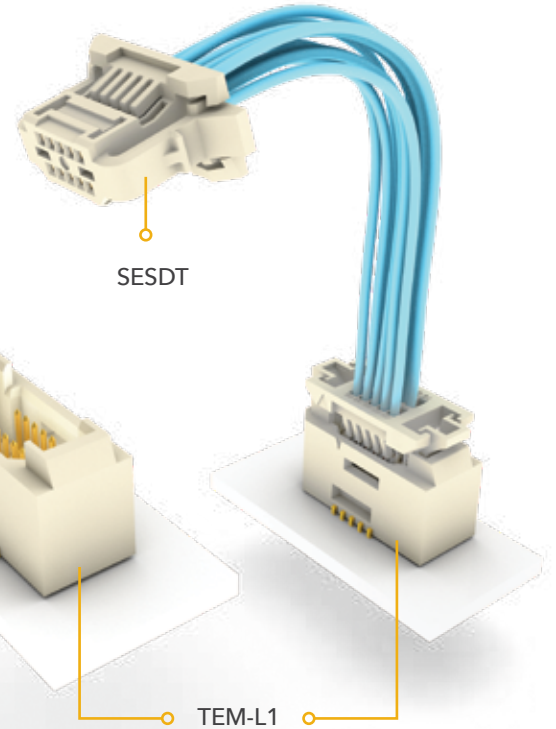
Samtec offers a variety of cable assembly component tooling options. See Page 7 of this document, or visit samtec.com/tooling for details.

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

**TIGER
EYE**
SYSTEM

MAX
1.9
A m p s



COMPONENTS



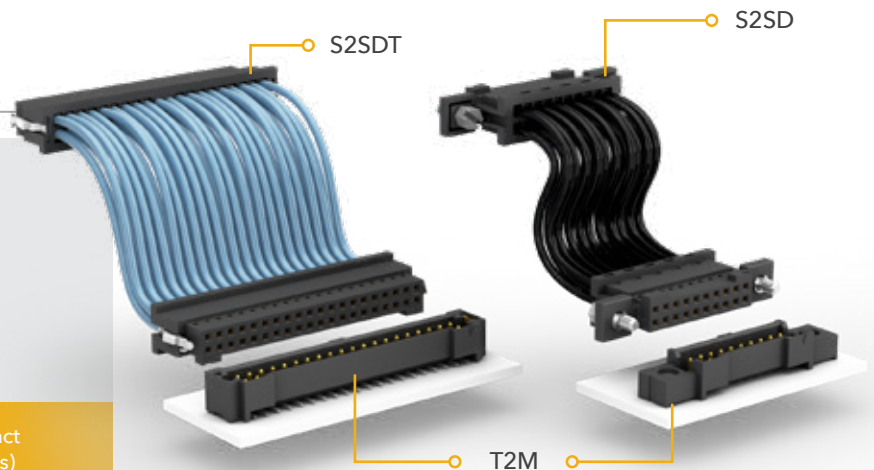
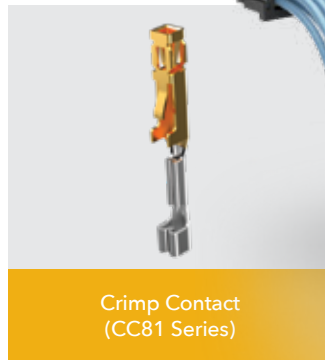
2.00 mm PITCH TIGER EYE™ SYSTEMS

- Rugged Tiger Eye™ contact system
- 10 to 60 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)

**TIGER
EYE**
SYSTEM

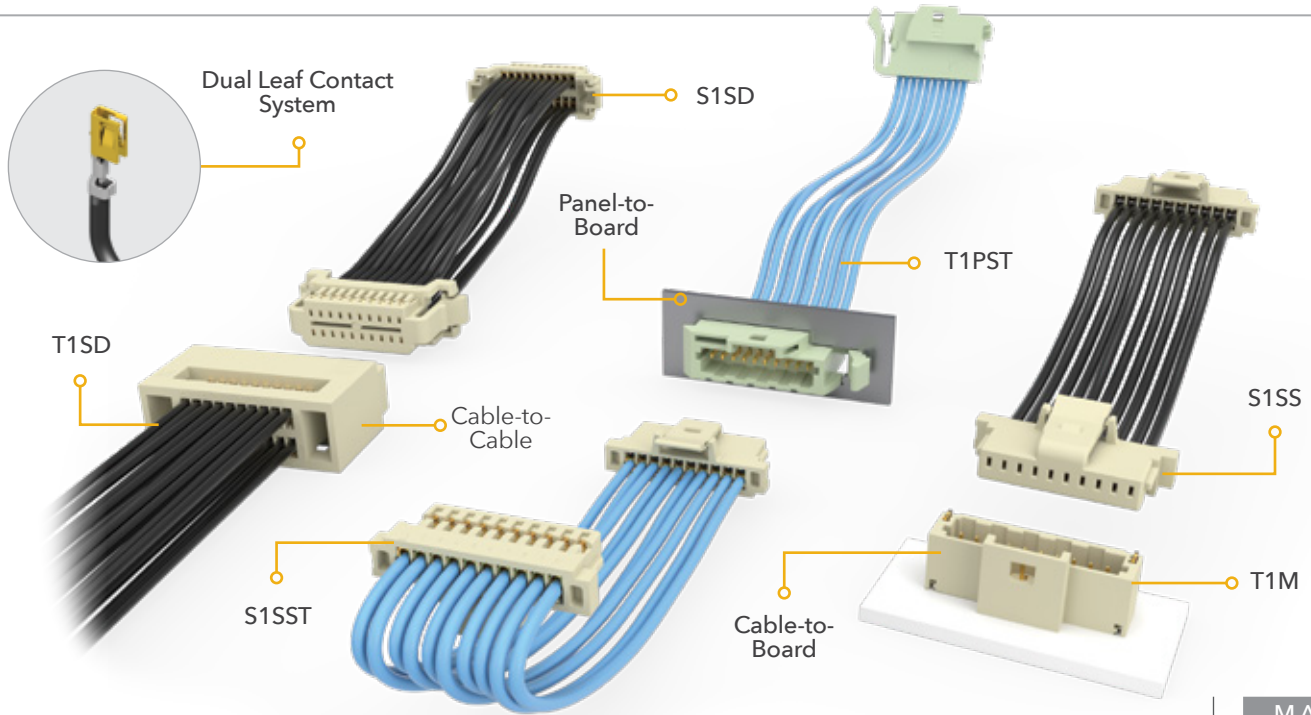
MAX
3.8
A m p s

COMPONENTS



RUGGED MICRO MATE™ SYSTEMS

SPACE-SAVING • DESIGN FLEXIBILITY • HIGH-RELIABILITY



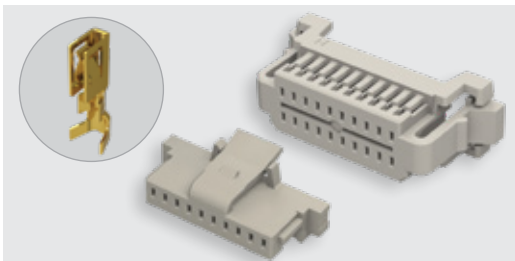
MICROMATE™

MAX
3.3
A m p s

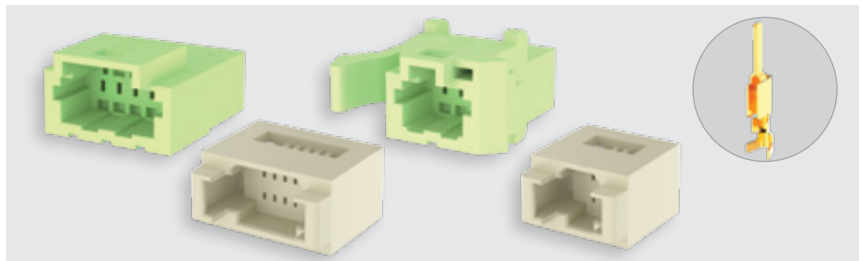
1.00 mm PITCH MICRO MATE™ SYSTEMS

- 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)

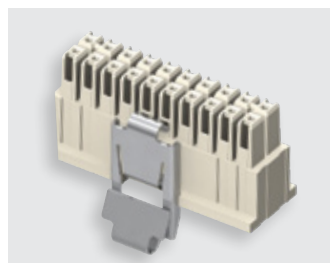
FLEXIBLE POWER ISOLATED POWER

INDIVIDUALLY SHROUDED CONTACTS • UP TO 10.3 AMPS • DESIGN FLEXIBILITY

MINI MATE® SYSTEMS

- Individually shrouded contacts for electrical and mechanical protection
- .100" (2.54 mm) pitch
- 20 to 30 AWG PVC or Teflon® cable
- Metal or plastic rugged latching system
- Available as complete assemblies or components; [see page 7 for tooling options](#)
- Mini Mate® panel mount and 2.54 mm pitch universal assemblies available

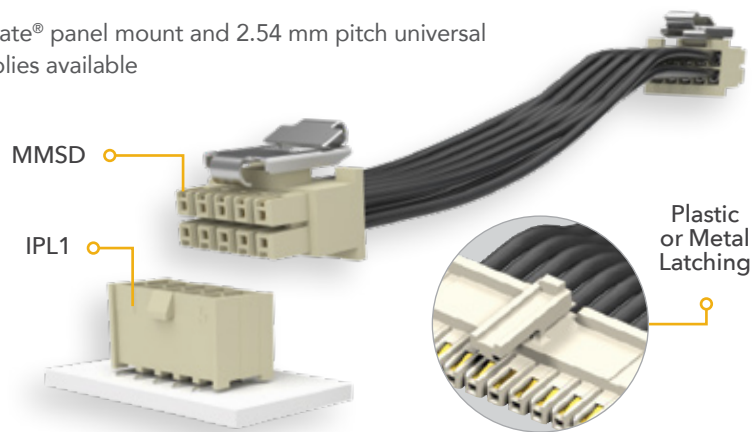
COMPONENTS



Single or Double Row Body
(IPD1 Series)



Crimp Contact
(CC79 Series)



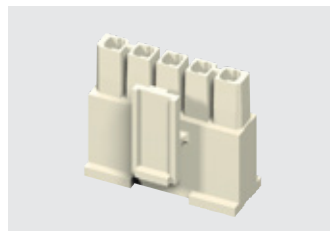
miniMATE®

MAX
4.8
A m p s

POWER MATE® SYSTEMS

- Individually shrouded contacts for electrical and mechanical protection
- .165" (4.19 mm) pitch
- Standard and high-power versions
- 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](#)

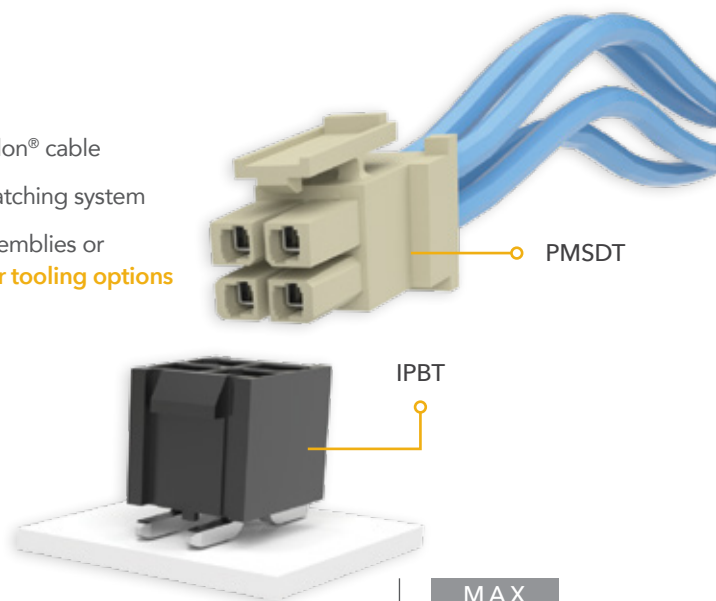
COMPONENTS



Single or Double Row Body
(IPBD Series)



Crimp Contact
(CC69 Series)



POWERMATE®

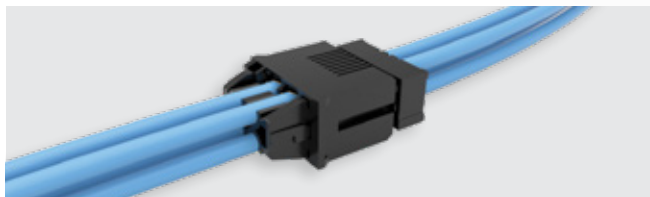
MAX
10.3
A m p s

FLEXIBLE POWER HIGH POWER

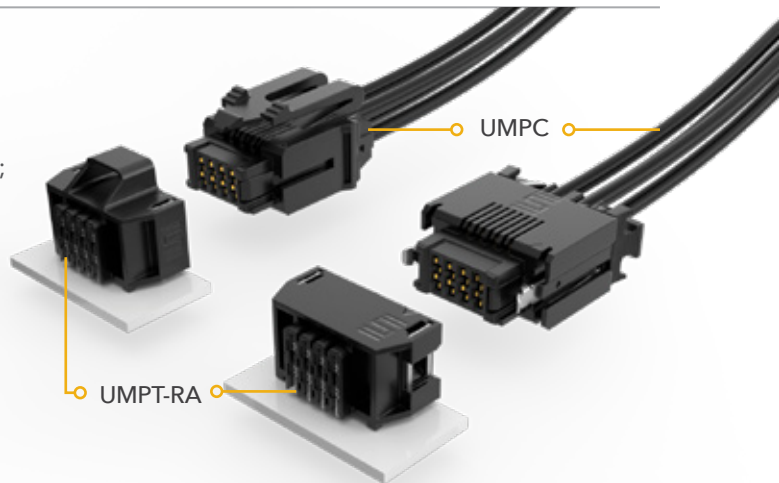
UP TO 34.5 AMPS • SMALL FORM FACTORS • POWER & POWER/SIGNAL

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



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



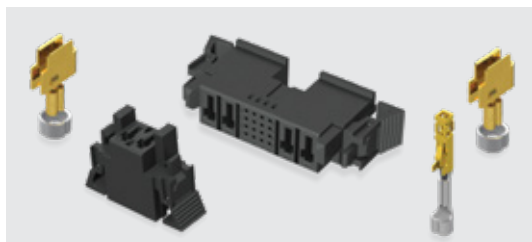
mPOWER®

MAX
16.8
A m p s

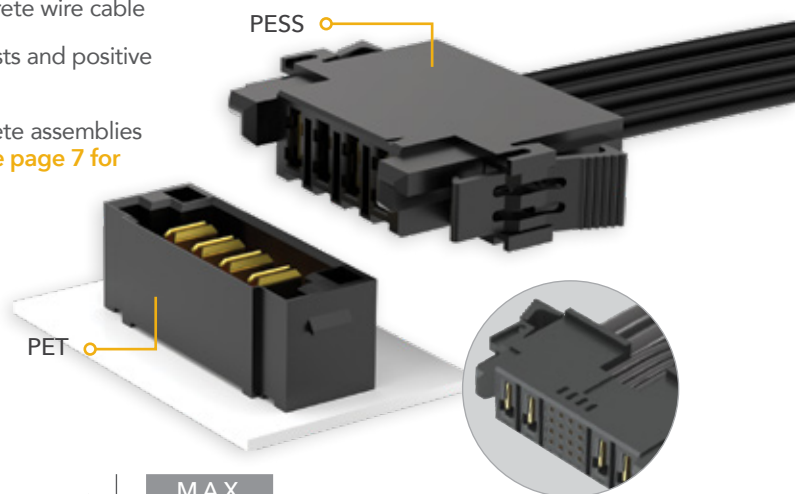
POWERSTRIP™ SYSTEMS

- PowerStrip™/30 on 5.00 mm pitch
- PowerStrip™/40 on .250" (6.35 mm) pitch
- Power only & power/signal combination
- Dual leaf blade contacts
- 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](#)

COMPONENTS



Power Socket Bodies (IMS5, IPS6 Series), Signal/Power Socket Bodies (IMSC5) and Crimp Contacts (CC46, CC81, CC10 Series)



POWER STRIP™

MAX
34.5
A m p s

Power/Signal
Combo

MODIFIED/CUSTOM & TOOLING SOLUTIONS

DESIGN & MANUFACTURING FLEXIBILITY • DISCRETE WIRE APPLICATION TOOLING

FLEXIBLE MICRO DISCRETE WIRE 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. 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



DISCRETE WIRE TOOLING

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.



PRODUCT	SERIES	HAND TOOL	MINI APPLICATOR
1.27 mm Tiger Eye™	SFSS(T), SFSD(T)	CAT-HT-203-2830-12	CAT-MC-203-2830-XX-01
	ISDF, CC03		
0.80 mm Tiger Eye™	SESDT	CAT-HT-396-3232-12	CAT-MC-396-3232-XX-03
	ISDE, CC396		
2.00 mm Tiger Eye™	S2SD(T)	CAT-HT-281-2430-13	CAT-MC-281-2426-XX-01
	ISD2, CC81		CAT-MC-281-2830-XX-01
1.00 mm Micro Mate™	S1SS(T), S1SD(T)	CAT-HT-309-2830-12	CAT-MC-309-2830-XX-01
	ISS1, ISD1, CC09		
	T1SS(T), T1PS(T), T1SD(T), T1PD(T)	CAT-HT-1137-2830-12	
	IST1, ISP1, IDT1, IDP1, TC37		
2.54 mm Mini Mate®	MMSS(T), MMSD(T)	CAT-HT-179-2030-13	CAT-MC-179-2024-XX-01
	IPD1, CC79		CAT-MC-179-2630-XX-01
4.19 mm Power Mate®	PMSS(T), PMSD(T)	CAT-HT-169-1620-13	CAT-MC-169-1620-XX-02
	IPBD, CC69	CAT-HT-169-2024-13	CAT-MC-169-2024-XX-01
5.00 mm PowerStrip™/30	MPSS	CAT-HT-246-1416-14	CAT-MC-246-1416-XX-02
	IMS5, CC46		
5.00 mm PowerStrip™/30	MPCC	CAT-HT-246-1416-14 (Pwr)	CAT-MC-246-1416-XX-01 (Pwr)
	IMSC5, CC46, CC81	CAT-HT-281-2430-11 (Sig)	CAT-MC-281-2426-XX-01 (Sig) CAT-MC-281-2830-XX-01 (Sig)
6.35 mm PowerStrip™/40	PESS	CAT-HT-310-1012-14	CAT-MC-310-1012-XX-02
	IPS6, CC10		



samtec
SUDDEN SERVICE®

UNITED STATES • NORTHERN CALIFORNIA • SOUTHERN CALIFORNIA • SOUTH AMERICA • UNITED KINGDOM
GERMANY • FRANCE • ITALY • NORDIC/BALTIC • BENELUX • ISRAEL • INDIA • AUSTRALIA / NEW ZEALAND
SINGAPORE • JAPAN • CHINA • TAIWAN • HONG KONG • KOREA

samtec.com/discretewire