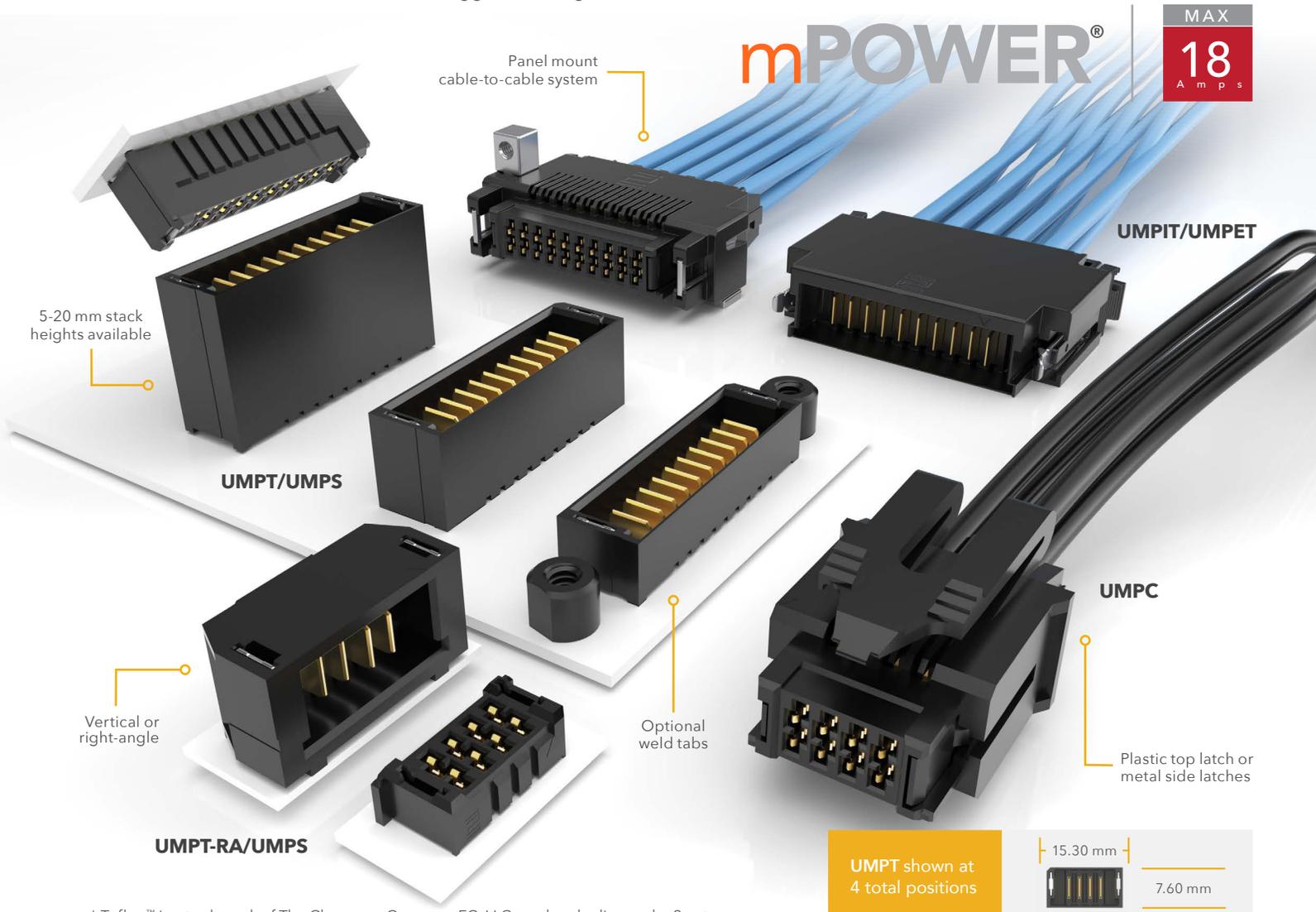




FLEXIBLE POWER

mPOWER® 2.00 mm PITCH ULTRA MICRO POWER SYSTEM

- Design flexibility in one product family for board-to-board, cable-to-board and cable-to-cable applications
- 2 to 10 total positions
- Tin or 10 μ" gold plated power blades; 30 μ" gold plating available to meet specific regulations
- Discrete wire cable assemblies with rugged latching
- Standard creepage (2.20 mm) and clearance (1.65 mm)
- Cable components (IMPC/IMPCC/CC489; IMPE/IMPEC/TC146) and tooling available
- Selectively loading contacts achieves customer specific creepage and clearance requirements; contact asp@samtec.com



* Teflon™ is a trademark of The Chemours Company FC, LLC used under license by Samtec

System

- **UMPT/UMPT-RA** – Power Terminal, Vertical and Right-Angle
- **UMPS** – Power Socket
- **GPSO** – SureWare™ Guide Post Standoff
- **UMPC/UMPCT** – Cable-to-Board Assembly, Socket
- **UMPI/UMPIT** – Cable-to-Cable Assembly, Socket
- **IMPC/IMPCC/CC489** – Socket Cable Components
- **UMPE/UMPET** – Cable-to-Cable Assembly, Terminal
- **IMPE/IMPEC/TC146** – Terminal Cable Components

For more information on Samtec's high-power systems, please visit samtec.com/mpower

CONNECTOR SPECIFICATIONS

CURRENT SPECIFICATIONS

CURRENT RATING (PER CONTACT)		
PINS	-T	-G
1	17.8 A	17.5 A
2	15.5 A	16.3 A
3	13.5 A	13.9 A
4	12.9 A	13.2 A
10	9.8 A	8.9 A

Ratings are derated 20% with 30 °C rise to the maximum allowable temperature

CREEPAGE & CLEARANCE

	CREEPAGE	CLEARANCE
UMPT/UMPS	2.20 mm	1.65 mm

Selectively loading contacts achieves customer specific creepage and clearance requirements. Contact asp@samtec.com

POWER SIMULATION

Samtec now offers power simulation that can calculate temperature increase in the connector area. Contact RuggedPower@samtec.com for more details.

MPOWER® SOLUTIONS



UMPS/UMPT

Power Socket and Terminal Vertical with Optional Weld Tabs Right-Angle with Latching (Cable Mate)



UMPC/UMPCT

Cable-to-Board Assembly, Socket PVC or Teflon™ Fluoropolymer Metal Side Latching or Plastic Top Latch



UMPI/UMPIT

Cable-to-Cable Assembly, Socket PVC or Teflon™ Fluoropolymer Panel Mount with Metal Side Latching



UMPE/UMPET

Cable-to-Cable Assembly, Terminal PVC or Teflon™ Fluoropolymer Metal Side Latching



GPSO

SureWare™ Guide Post Standoff 5 – 30 mm Stack Heights



IMPC/IMPCC/CC489

Socket Cable Components Body, Cable Holder, Contact



IMPE/IMPEC/TC146

Terminal Cable Components Body, Cable Holder, Contact

Tooling Mini Applicator

CAT-MC-489-1618-XX-01
(16-18 AWG)

CAT-MC-489-1818-XX-01
(18 AWG)

Visit samtec.com/tooling for more information.

For the latest information about product availability, or to discuss your high-power system application needs, please contact RuggedPower@samtec.com.