

ULTRA MICRO POWER SYSTEM

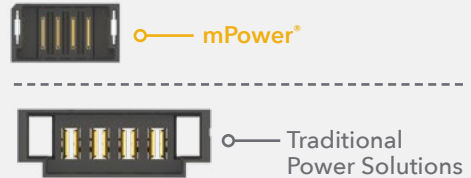
(2.00 mm) .0787" PITCH



FEATURES & BENEFITS

- Up to 18 A per blade (1 blade powered)
- Design flexibility as a power-only system or a two-piece system for power/signal applications
- Use with Samtec's high-speed connector systems for a unique power/signal system
- Choice of 2 to 10 positions
- 5 mm to 20 mm stack heights available
- Tin or 10 μ" Gold plated power blades; 30 μ" Gold plating available to meet specific regulations
- Optional weld tabs
- Cable-to-board and cable-to-cable systems in development

UMPT/UMPS compared to another small form factor power solution



CREEPAGE & CLEARANCE

UMPT/UMPS	
CREEPAGE	2.20 mm
CLEARANCE	1.65 mm

Selectively loading contacts achieves customer specific creepage and clearance requirements.


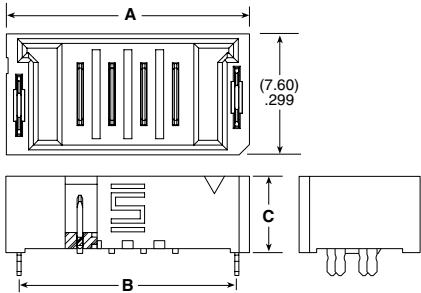
KEY SPECIFICATIONS

PITCH	STACK HEIGHTS	INSULATOR MATERIAL	CONTACT MATERIAL	PLATING	OPERATING TEMP RANGE	VOLTAGE RATING	LEAD-FREE SOLDERABLE
2.00 mm	5 to 16, 18, 20 mm	Black LCP	Copper Alloy	Sn or Au over 50 μ" (1.27 μm) Ni	-55 °C to +105 °C with Tin -55 °C to +125 °C with Gold	460 VAC/ 650 VDC	Yes

ULTRA MICRO POWER TERMINAL

UMPT	NO. OF POSITIONS	LEAD STYLE	PLATING OPTION	V	S	WELD TAB	LATCH OPTION	"X"R
	-02, -03, -04, -05, -06, -07, -08, -09, -10	-01.5 = (01.5 mm) .059" -02.5 = (02.5 mm) .098" -06.5 = (06.5 mm) .256" -07.5 = (07.5 mm) .295" -12.5 = (12.5 mm) .492"	-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail -S = 30 μ" (0.76 μm) Gold on contact, Matte Tin on tail -T = Matte Tin			(Leave blank for no weld tab) -W = Weld Tab Through-hole	(Leave blank for no latch) (Only available on -02.5 lead style) (Weld tab required) -P = Plastic top latch -M = Metal side latches	-TR = Tape & Reel -FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)

UMPT Board Mates: UMPS
Cable Mates: UMPC* (*UMPT requires -P or -M option for mating)

LEAD STYLE	C	NO. OF POSITIONS	
		A (-P & No latch)	B (-M latch)
-02	(11.30) .445	(9.70) .382	(13.30) .524 (11.60) .457
-03	(13.30) .524	(11.70) .460	(15.30) .602 (13.60) .535
-04	(15.30) .602	(13.70) .539	(17.30) .681 (15.60) .614
-05	(17.30) .681	(15.70) .618	(19.30) .760 (17.60) .693
-06	(19.30) .760	(17.70) .697	(21.30) .839 (19.60) .772
-07	(21.30) .839	(19.70) .776	(23.30) .917 (21.60) .850
-08	(23.30) .917	(21.70) .854	(25.30) .996 (23.60) .929
-09	(25.30) .996	(23.70) .933	(27.30) 1.075 (25.60) 1.007
-10	(27.30) 1.075	(25.70) 1.012	(29.30) 1.154 (27.60) 1.087


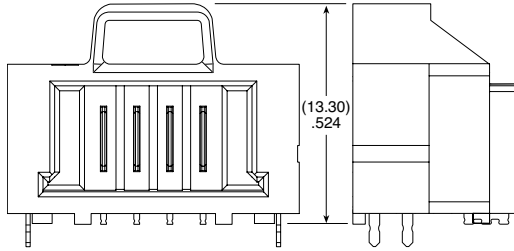
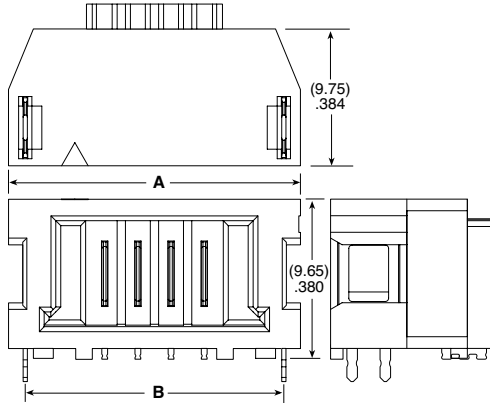
UMPT-04-01.5-X-V-S-W SHOWN

Note: Some lengths, styles and options are non-standard, non-returnable.

View complete specifications at: samtec.com?UMPT

UMPT	NO. OF POSITIONS	01	PLATING OPTION	RA	WELD TAB	LATCH OPTION	"X"R
	-02, -03, -04, -05, -06, -07, -08, -09, -10		-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail -S = 30 μ" (0.76 μm) Gold on contact, Matte Tin on tail -T = Matte Tin		-WT = Weld Tab Through-hole	(Leave blank for no latch) -P = Plastic top latch -M = Metal side latches	-TR = Tape & Reel -FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)

UMPT-RA Board Mates: UMPS
Cable Mates: UMPC* (*UMPT requires -P or -M option for mating)

NO. OF POSITIONS	A	B	
		(-P & No latch)	(-M latch)
-02	(13.60) .535	(11.10) .437	(11.55) .455
-03	(15.60) .614	(13.10) .516	(13.55) .533
-04	(17.60) .693	(15.10) .594	(15.55) .612
-05	(19.60) .772	(17.10) .673	(17.55) .691
-06	(21.60) .850	(19.10) .752	(19.55) .770
-07	(23.60) .929	(21.10) .831	(21.55) .848
-08	(25.60) 1.008	(23.10) .909	(23.55) .927
-09	(27.60) 1.087	(25.10) .988	(25.55) 1.006
-10	(29.60) 1.165	(27.10) 1.067	(27.55) 1.085

UMPT-04-01-X-RA-WT-P SHOWN
UMPT-04-01-X-RA-WT-M SHOWN

Note: Some lengths, styles and options are non-standard, non-returnable.

View complete specifications at: samtec.com?UMPT-RA

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