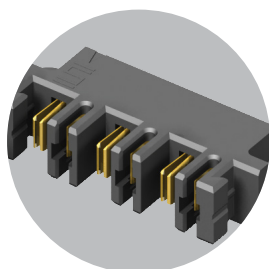


HIGH POWER SYSTEMS

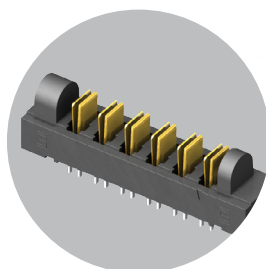
20-60 A
per blade

FEATURES & BENEFITS

- Current Rating: 23 A - 58.7 A per power blade
- 3.81 mm, 5.00 mm and 6.35 mm pitch
- Dual blade contact system
- Power only or power/signal combinations available
- Right-angle and vertical orientations
- Rugged screw down and locking clip options
- Wire to board assemblies with 10-16 AWG wire (see pages 262-264)
- "Hinged" for unique mating in any orientation from 0° to 90° and space confined applications



Hermaphroditic options
samtec.com?MPPT and
samtec.com?UPPT



Hinging options available
samtec.com?FMPT and
samtec.com?FMPS

CREEPAGE & CLEARANCE

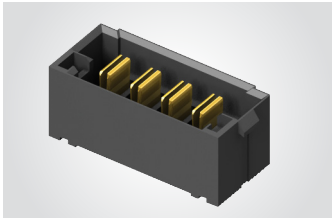
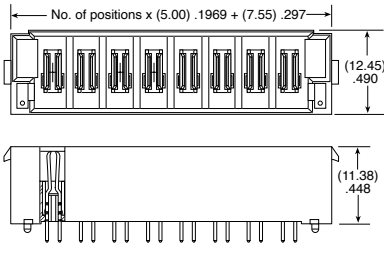
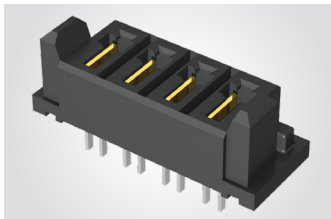
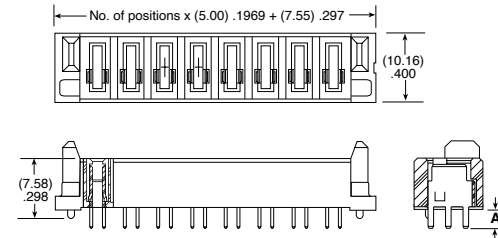
SERIES	CREEPAGE	CLEARANCE
UPT/UPS/UPPT	5.50 mm	1.51 mm
MPT/MPS/MPTC/MPSC	2.95 mm	2.71 mm
PET/PES/PETC/PESC	3.66 mm	3.31 mm

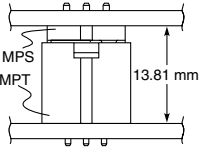
Selectively loading contacts achieves customer specific creepage and clearance requirements.

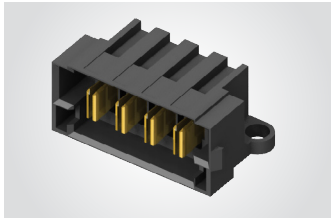
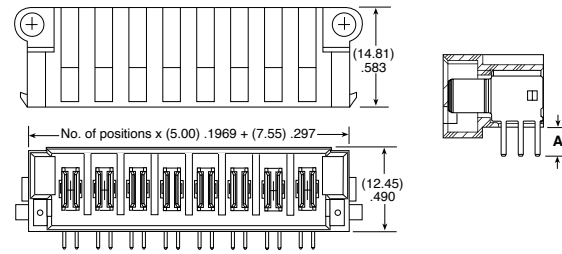
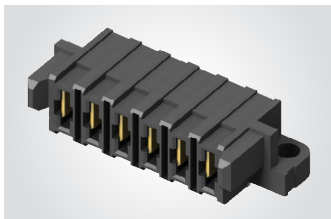
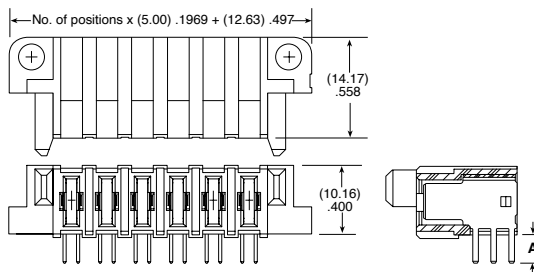
KEY SPECIFICATIONS

SERIES	PITCH	INSULATOR MATERIAL	CONTACT MATERIAL	PLATING	OPERATING TEMP RANGE	CURRENT RATING	VOLTAGE RATING	LEAD-FREE SOLDERABLE
UPT/UPS	(3.81 mm) .150"	Black LCP	BeCu	Sn or Au over 50 μ" (1.27 μm) Ni	-55 °C to +105 °C (Sn) -55 °C to +125 °C (Au)	23 A (1 pin powered)	438 VAC/619 VDC	Yes
UPPT	(3.81 mm) .150"	Black LCP	Copper Alloy	Sn or Au over 50 μ" (1.27 μm) Ni	-55 °C to +105 °C (Sn) -55 °C to +125 °C (Au)	21.4 A (1 pin powered)	425 VAC/601 VDC	Yes
MPT/MPS	(5.00 mm) .1969"	Black LCP	Copper Alloy	Sn or Au over 50 μ" (1.27 μm) Ni	-55 °C to +105 °C (Sn) -55 °C to +125 °C (Au)	28 A (1 pin powered)	575 VAC/813 VDC	Yes
MPTC/MPSC	(5.00 mm) .197" (pwr) (2.00 mm) .079" (sig)	Black LCP	Signal: Phosphor Bronze Terminal: Copper Alloy	Sn or Au over 50 μ" (1.27 μm) Ni	-55 °C to +105 °C (Sn) -55 °C to +125 °C (Au)	28 A (pwr - 1 pin powered) 5 A (sig - 4 pins powered)	250 VAC/353 VDC	Yes
PET/PES	(6.35 mm) .250"	Black LCP	Copper Alloy	Sn or Au over 50 μ" (1.27 μm) Ni	-55 °C to +105 °C (Sn) -55 °C to +125 °C (Au)	58.7 A (1 pin powered)	450 VAC/636 VDC	Yes
PETC/PESC	(6.35 mm) .250" (pwr) (2.54 mm) .100" (sig)	Black LCP	Copper Alloy	Sn or Au over 50 μ" (1.27 μm) Ni	-55 °C to +105 °C (Sn) -55 °C to +125 °C (Au)	31 A (pwr - 1 pin powered) 5.7 A (sig - 4 pins powered)	650 VAC/920 VDC (pwr) 450 VAC/636 VDC (sig)	Yes

(5.00 mm) .1969" PITCH • 30 A DUAL BLADE/LEAF SYSTEMS

SERIES	POWER PINS	LEAD STYLE	TAIL LENGTH	PLATING OPTION	TAIL						
MPT Terminal	-02, -03, -04, -06, -08	-6.30 = (6.30 mm) 0.248" (MPT only)	-01 = Use with (1.60 mm) .062" Thick PCB -03 = Use with (2.36 mm) .093" Thick PCB	-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail -T = Matte Tin	(Required Callout) -V = Vertical						
MPS Socket		-7.70 = (7.70 mm) 0.303" (MPS only)									
MPT Board Mates: MPS Cable Mates: MPSS											
				<table><tr><th>TAIL LENGTH</th><th>A</th></tr><tr><td>-01</td><td>(2.72) .107</td></tr><tr><td>-03</td><td>(3.51) .138</td></tr></table>		TAIL LENGTH	A	-01	(2.72) .107	-03	(3.51) .138
TAIL LENGTH	A										
-01	(2.72) .107										
-03	(3.51) .138										
				<table><tr><th>TAIL LENGTH</th><th>A</th></tr><tr><td>-01</td><td>(2.72) .107</td></tr><tr><td>-03</td><td>(3.52) .139</td></tr></table>		TAIL LENGTH	A	-01	(2.72) .107	-03	(3.52) .139
TAIL LENGTH	A										
-01	(2.72) .107										
-03	(3.52) .139										
View complete specifications at: samtec.com?MPT & samtec.com?MPS											

MATED HEIGHT	
	
TAIL LENGTH	A
-01	(2.72) .107
-03	(3.52) .139

SERIES	POWER PINS	01	TAIL LENGTH	PLATING OPTION	RA	SD						
MPT Terminal	-02, -04, -06, -08	-01 = Use with (1.60 mm) .062" Thick PCB	-03 = Use with (2.36 mm) .093" Thick PCB	-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail -T = Matte Tin								
MPT-RA Board Mates: MPS Cable Mates: MPSS				<table><thead><tr><th>TAIL LENGTH</th><th>A</th></tr></thead><tbody><tr><td>-01</td><td>(2.72) .107</td></tr><tr><td>-03</td><td>(3.51) .138</td></tr></tbody></table>			TAIL LENGTH	A	-01	(2.72) .107	-03	(3.51) .138
TAIL LENGTH	A											
-01	(2.72) .107											
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MPS-RA Board Mates: MPT				<table><thead><tr><th>TAIL LENGTH</th><th>A</th></tr></thead><tbody><tr><td>-01</td><td>(2.72) .107</td></tr><tr><td>-03</td><td>(3.52) .139</td></tr></tbody></table>			TAIL LENGTH	A	-01	(2.72) .107	-03	(3.52) .139
TAIL LENGTH	A											
-01	(2.72) .107											
-03	(3.52) .139											
												
View complete specifications at: samtec.com?MPT & samtec.com?MPS												

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