

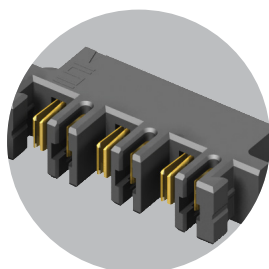


HIGH POWER SYSTEMS

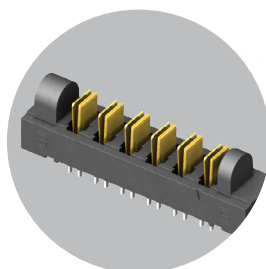
20-60 A
per blade

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
- Discrete wire cable assemblies with 10-16 AWG wire (see pages 246-248)
- "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

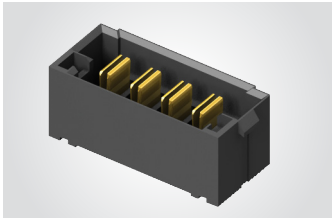
SERIES	PITCH	INSULATOR MATERIAL	CONTACT MATERIAL	PLATING	OPERATING TEMP RANGE	CURRENT RATING	VOLTAGE RATING	LEAD-FREE SOLDERABLE
UPT/UPS	(3.81 mm) .150"	Black LCP	BeCu	Sn or Au over 50 μ" (1.27 μm) Ni	-55 °C to +105 °C (Sn) -55 °C to +125 °C (Au)	23 A (1 pin powered)	438 VAC/619 VDC	Yes
UPPT	(3.81 mm) .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)	350 VAC/495 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)	350 VAC/495 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

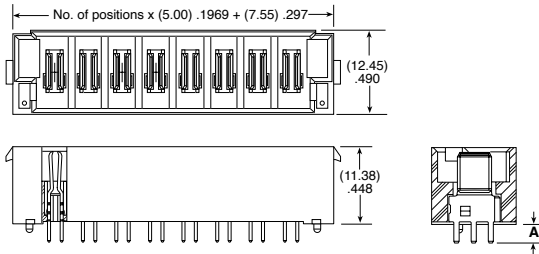
(5.00 mm) .1969" PITCH • 30 A DUAL BLADE/LEAF SYSTEMS

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

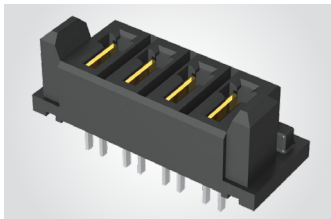


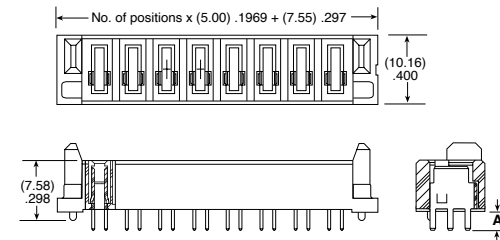


TAIL LENGTH	A
-01	(2.72) .107
-03	(3.51) .138

MPS

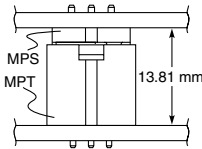
Board Mates:
MPT



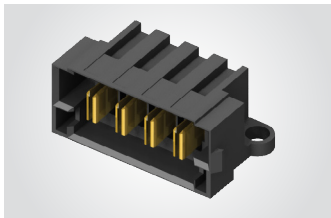
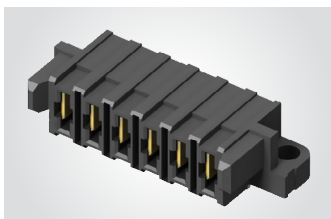


TAIL LENGTH	A
-01	(2.72) .107
-03	(3.52) .139

MATED HEIGHT



View complete specifications at: samtec.com?MPT & samtec.com?MPS

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><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
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-01	(2.72) .107										
-03	(3.51) .138										
MPS-RA Board Mates: MPT 					<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
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-03	(3.52) .139										
Note: Some lengths, styles and options are non-standard, non-returnable											

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