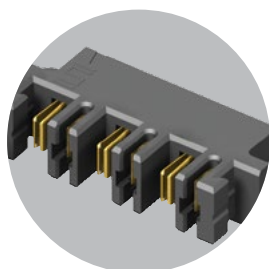


HIGH POWER SYSTEMS

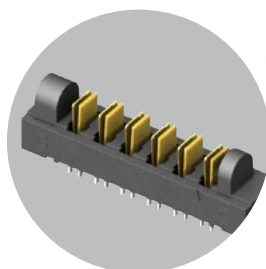
20-60 A
per blade

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.

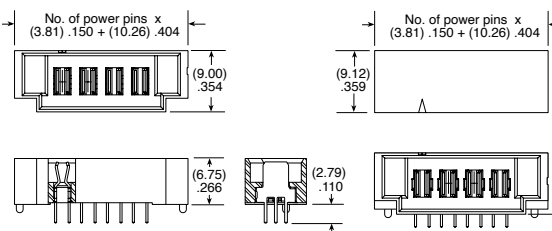
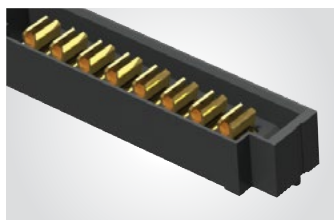
KEY SPECIFICATIONS

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	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	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)	28.8 A (1 pin powered)	575 VAC	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)	28.8 A (pwr - 1 pin powered) 5 A (sig - 4 pins powered)	250 VAC	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	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)	31.4 A (pwr - 1 pin powered) 5.7 A (sig - 4 pins powered)	650 VAC (pwr) 450 VAC (sig)	Yes

(3.81 mm) .150" PITCH • 20 A DUAL BLADE/LEAF POWER SYSTEMS

SERIES	POWER PINS	LEAD STYLE	TAIL LENGTH	PLATING OPTION	TAIL	OTHER OPTION	"X"R
UPT Terminal	-02 -04	-01 = RA only	-01 = Use with (1.60 mm) .062" Thick PCB (-V & -RA only)	-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail	-V = Vertical (Not available with -T plating)	-LC = Locking Clip (Manual placement required) Not available with -PV option	Leave blank for tube packaging
UPS Socket	-06 -08	-03.0 = (03.0 mm) .118" (UPT-V & UPT-PV only)	-03 = Use with (1.60 mm) .062" Thick PCB (-PV only)	-T = Matte Tin (-RA & -PV options only)	-RA = Right-angle		-TR = Tape & Reel
		-04.0 = (04.0 mm) .157" (UPS-V & UPS-PV only)			-PV = Press-fit, Vertical		-FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)
		-07.0 = (07.0 mm) .276" (UPS-V & UPS-PV only)					

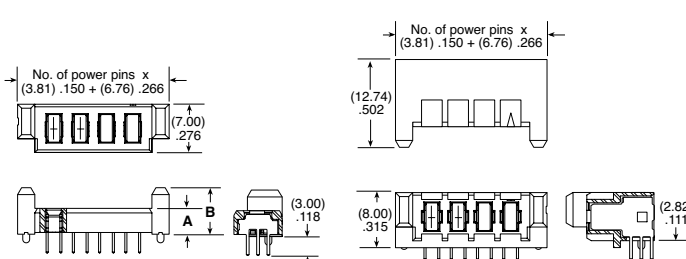
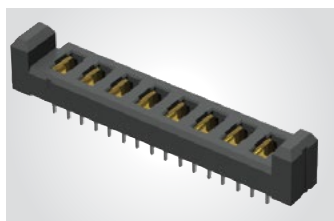
UPT
Board Mates:
UPS



MATED HEIGHT*	
UPS LEAD STYLE	UPT LEAD STYLE
	-03.0
-04.0	(7.00) .276
-07.0	(10.00) .394

*Processing conditions will affect mated height.

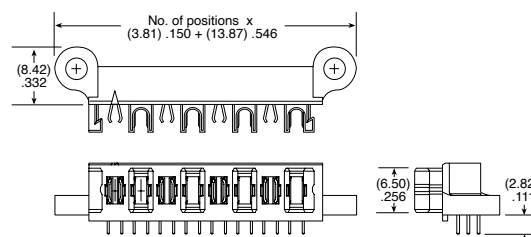
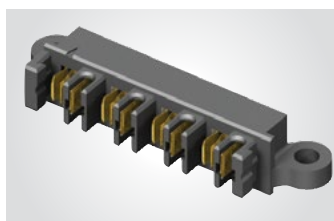
UPS
Board Mates:
UPT



LEAD STYLE	A	B
-04.0	(3.75) .148	(6.75) .266
-07.0	(6.75) .266	(9.75) .384

View complete specifications at: samtec.com?UPT & samtec.com?UPS

SERIES	NO. OF POSITIONS	01	TAIL LENGTH	PLATING OPTION	RA	SD	"X"R
UPPT Hermaphroditic	-02, -04, -06, -08		-01 = (1.60 mm) .062" Thick PCB	-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail			Leave blank for tube packaging
UPPT				-T = Matte Tin			-TR = Tape & Reel
Board Mates: UPPT							-FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)



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

View complete specifications at: samtec.com?UPPT

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Samtec:](#)

[UPS-02-07.0-01-L-V](#) [UPS-04-07.0-01-L-V](#) [UPS-06-04.0-01-L-V](#) [UPS-02-04.0-01-L-V](#) [UPS-04-04.0-01-L-V](#) [UPS-04-04.0-03-L-PV](#) [UPS-08-07.0-01-L-V](#) [UPS-02-01-01-L-RA-LC-TR](#) [UPS-02-07.0-02-L-V-LC](#) [UPS-04-01-01-L-RA](#) [UPS-04-04.0-01-L-V-TR](#) [UPS-04-07.0-03-L-PV](#) [UPS-06-04.0-01-L-V-LC](#) [UPS-08-01-02-L-RA](#) [UPS-08-07.0-01-L-V-LC](#) [UPS-02-01-01-L-RA-LC](#) [UPS-04-01-02-T-RA](#) [UPS-06-01-01-L-RA-TR](#) [UPS-06-01-01-T-RA-LC-TR](#) [UPS-08-01-01-L-RA-LC](#) [UPS-08-07.0-01-L-V-TR](#) [UPS-08-07.0-02-L-V](#) [UPS-08-07.0-02-L-V-TR](#) [UPS-02-01-01-T-RA-LC-TR](#) [UPS-06-07.0-01-L-V-LC-TR](#) [UPS-08-01-01-T-RA-LC-TR](#) [UPS-04-01-01-L-RA-LC-TR](#) [UPS-04-01-01-L-RA-TR](#) [UPS-04-01-01-T-RA](#) [UPS-04-07.0-02-L-V](#) [UPS-06-04.0-03-L-PV](#) [UPS-06-07.0-01-L-V-LC](#) [UPS-08-04.0-02-L-V](#) [UPS-02-01-01-T-RA](#) [UPS-02-04.0-01-L-V-LC](#) [UPS-02-04.0-01-L-V-TR](#) [UPS-04-01-01-T-RA-TR](#) [UPS-04-01-02-L-RA-LC](#) [UPS-06-01-01-L-RA-LC-TR](#) [UPS-06-04.0-01-L-V-TR](#) [UPS-06-07.0-02-L-V](#) [UPS-08-04.0-03-T-PV](#) [UPS-06-07.0-03-L-PV](#) [UPS-08-04.0-02-L-V-LC](#) [UPS-02-07.0-01-L-V-LC](#) [UPS-06-01-01-T-RA](#) [UPS-06-01-01-T-RA-LC](#) [UPS-06-01-01-T-RA-TR](#) [UPS-08-01-01-L-RA-LC-TR](#) [UPS-08-01-01-L-RA-TR](#) [UPS-08-01-01-T-RA](#) [UPS-02-01-01-T-RA-LC](#) [UPS-02-04.0-01-L-V-LC-TR](#) [UPS-08-07.0-03-L-PV](#) [UPS-02-01-02-L-RA-LC](#) [UPS-04-01-01-L-RA-LC](#) [UPS-04-01-01-T-RA-LC](#) [UPS-04-07.0-01-L-V-TR](#) [UPS-06-04.0-02-L-V](#) [UPS-06-04.0-02-L-V-TR](#) [UPS-08-04.0-01-L-V-LC](#) [UPS-02-07.0-03-L-PV](#) [UPS-04-01-02-L-RA-TR](#) [UPS-04-04.0-02-L-V-LC](#) [UPS-06-04.0-03-L-PV-TR](#) [UPS-08-04.0-03-L-PV-TR](#) [UPS-02-07.0-02-L-V](#) [UPS-08-01-02-L-RA-LC](#) [UPS-08-07.0-03-T-PV](#) [UPS-02-07.0-01-L-V-TR](#) [UPS-04-01-02-L-RA](#) [UPS-04-04.0-02-L-V](#) [UPS-04-07.0-02-L-V-TR](#) [UPS-08-01-01-T-RA-TR](#) [UPS-08-07.0-03-L-PV-TR](#) [UPS-02-04.0-02-L-V](#) [UPS-04-04.0-03-T-PV](#) [UPS-06-01-01-L-RA-LC](#) [UPS-06-07.0-01-L-V-TR](#) [UPS-08-01-01-L-RA](#) [UPS-02-01-01-T-RA-TR](#) [UPS-02-01-02-L-RA-LC-TR](#) [UPS-04-07.0-01-L-V-LC](#) [UPS-08-04.0-01-L-V-LC-TR](#) [UPS-08-04.0-01-L-V-TR](#) [UPS-02-01-01-L-RA](#) [UPS-02-04.0-03-L-PV](#) [UPS-02-04.0-03-T-PV](#) [UPS-04-04.0-01-L-V-LC](#) [UPS-04-04.0-01-L-V-LC-TR](#) [UPS-02-01-01-L-RA-TR](#) [UPS-02-07.0-02-L-V-LC-TR](#) [UPS-04-01-01-T-RA-LC-TR](#) [UPS-06-04.0-01-L-V-LC-TR](#) [UPS-08-01-01-T-RA-LC](#) [UPS-08-04.0-01-L-V](#) [UPS-08-04.0-03-L-PV](#) [UPS-04-04.0-03-L-PV-TR](#) [UPS-08-04.0-02-L-V-LC-TR](#) [UPS-02-01-02-L-RA](#)