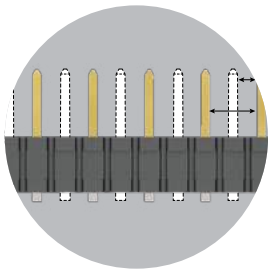


HIGH-POWER SYSTEMS

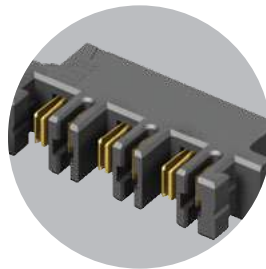
20-60 A
per blade

FEATURES & BENEFITS

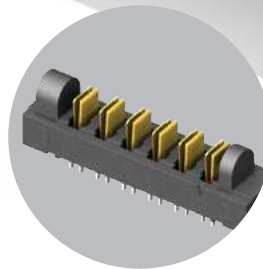
- Current Rating: 23 A - 58.7 A per power blade
- 3.81 mm, 5.00 mm and 6.35 mm pitch
- Dual blade contact system
- Power only or power/signal combinations available
- Right-angle and vertical orientations
- Rugged screw down and locking clip options
- Discrete wire cable assembly with 10-16 AWG wire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



Selectively loading contacts achieves customer specific creepage and clearance requirements.



Hermaphroditic options available (samtec.com?MPPT)



Hinging options available (samtec.com?FMPT samtec.com?FMPS)

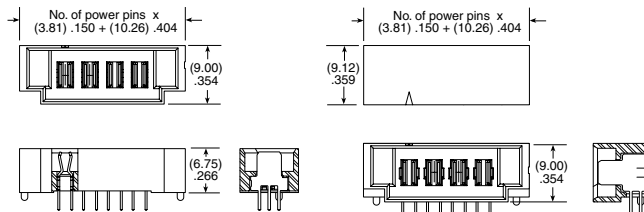
KEY SPECIFICATIONS

| SERIES | PET/PES | PETC/PESC | MPT/MPS | MPTC/MPSC | UPT/UPS | FMPT/FMPS | UPPT | MPPT |
|---------------|-----------------|--|------------------|--|-----------------|------------------|-----------------|------------------|
| PITCH | (6.35 mm) .250" | (6.35 mm) .250" (pwr) (2.54 mm) .100" (sig) | (5.00 mm) .1969" | (5.00 mm) .197" (pwr) (2.00 mm) .079" (sig) | (3.81 mm) .150" | (5.00 mm) .1969" | (3.81 mm) .150" | (5.00 mm) .1969" |
| CCC (1 PIN)* | 58.7 A | 31.4 A | 28.8 A | 28.8 A | 23 A | 26.7 A | 21.4 A | 23.3 A |
| CCC (2 PINS)* | 48.5 A | 28.0 A | 24.7 A | 24.7 A | 18.6 A | 22.9 A | 19.8 A | 20.5 A |
| CCC (3 PINS)* | 41.1 A | 24.4 A | 24.1 A | 24.1 A | 17.5 A | 19.1 A | 17.1 A | 19.4 A |
| CREEPAGE | (3.66 mm) .144" | (3.66 mm) .144" | (2.86 mm) .113" | (2.86 mm) .113" | (5.5 mm) .217" | (6.53 mm) .257" | (1.91 mm) .075" | (2.95 mm) .116" |
| CLEARANCE | (3.31 mm) .130" | (3.31 mm) .130" | (2.71 mm) .106" | (2.71 mm) .106" | (1.51 mm) .059" | (2.71 mm) .106" | (1.51 mm) .059" | (2.71 mm) .106" |
| VAC | 725 VAC | Signal: 450 VAC Power: 650 VAC | 575 VAC | 250 VAC | 438 VAC | 525 VAC | 425 VAC | 600 VAC |
| VDC | 1025 VDC | Signal: 636 VDC Power: 919 VDC | 812 VDC | 354 VDC | 620 VDC | 742 VDC | 600 VDC | 848 VDC |
| CYCLES | 100 | 100 | 100 | 100 | 25 | 100 | 100 | 100 |

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

| SERIES | POWER PINS | LEAD STYLE | TAIL LENGTH | PLATING OPTION | TAIL | OTHER OPTION |
|-----------------|------------|---|--|--|---|---|
| UPT Terminal | -02 | -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 |
| | -04 | -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 | |
| UPS Socket | -06 | -04.0 = (04.0 mm) .157" (UPS-V & UPS-PV only) | | | -PV = Press-fit, Vertical | |
| | -08 | -07.0 = (07.0 mm) .276" (UPS-V & UPS-PV only) | | | | |

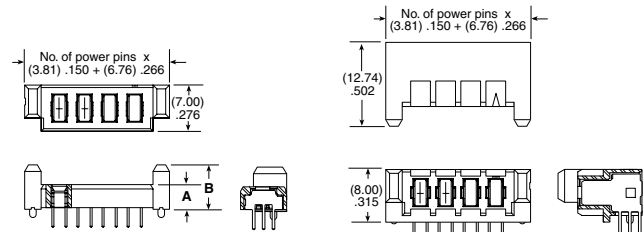
UPT
Board Mates:
UPS



| 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

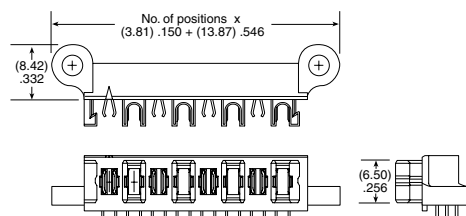
-T
= Matte Tin

Leave blank for tube packaging

-TR
= Tape & Reel

-FR
= Full Reel
Tape & Reel
(must order max. quantity per reel; contact Samtec for quantity breaks)

UPPT
Board Mates:
UPPT



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

View complete specifications at: samtec.com?UPPT