THE DATASHEET OF

PES-04-02-L-VT

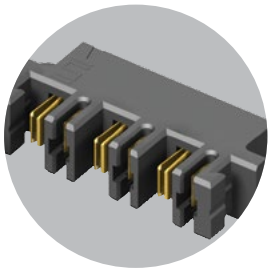
POWER™ STRIP

HIGH POWER SYSTEMS

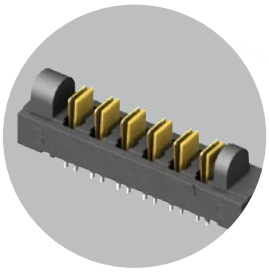
20-60 A per blade

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

POWER STRIP 40

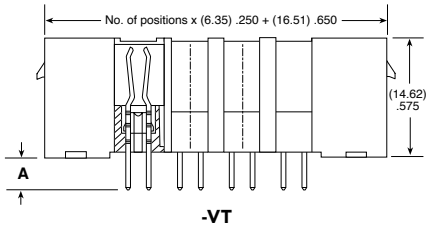
(6.35 mm) .250" PITCH • 40 A HIGH-POWER SYSTEM

PET	–	NO. PINS PER ROW	–	LEAD STYLE	–	PLATING OPTION	–	TAIL OPTION	–	OTHER OPTION
		–02, –04, –06, –08		–01 = Use with (1.60 mm) .062" Thick PCB –02 = Use with (3.18 mm) .125" Thick PCB		–L = 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail –T = Matte Tin		–VT = Vertical – RA = Right-angle (Screw Down option required)		–SD = Screw Down (Right-angle only)

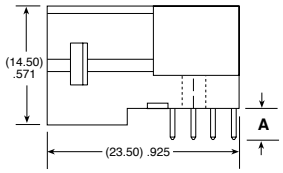
PET

Board Mates:
PES
Cable Mates:
PESS

TAIL LENGTH	A
–01	(2.35) .093
–02	(3.95) .156



-VT



-RA-SD

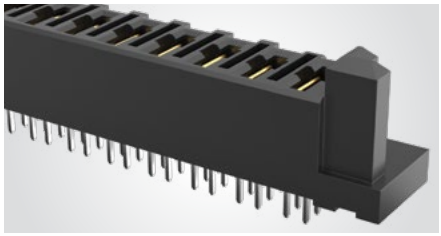
Note: Some lengths, styles and options are non-standard, non-returnable

View complete specifications at: **samtec.com?PET**

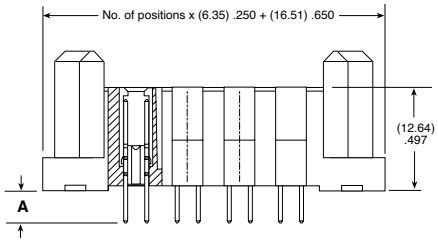
PES	–	NO. PINS PER ROW	–	LEAD STYLE	–	PLATING OPTION	–	TAIL OPTION	–	OTHER OPTION
		–02, –04, –06, –08		–01 = Use with (1.60 mm) .062" Thick PCB –02 = Use with (3.18 mm) .125" Thick PCB		–L = 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail –T = Matte Tin		–VT = Vertical – RA = Right-angle (Screw Down option required)		–SD = Screw Down (Right-angle only)

PES

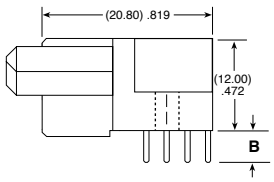
Board Mates:
PET



TAIL LENGTH	A	B
–01	(2.47) .097	(2.35) .093
–02	(4.07) .160	(3.95) .156



-VT



-RA-SD

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View complete specifications at: **samtec.com?PES**

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- Cost Control Management
- Shortage Management
- Alternative Solution
- Excess Inventory Management