POWER™ STRIP

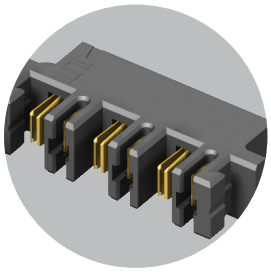
HIGH POWER SYSTEMS

20-60 A per blade

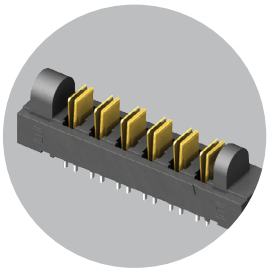
FEATURES & BENEFITS

- 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/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

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.

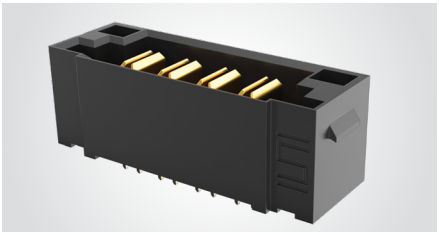
POWER STRIP 40

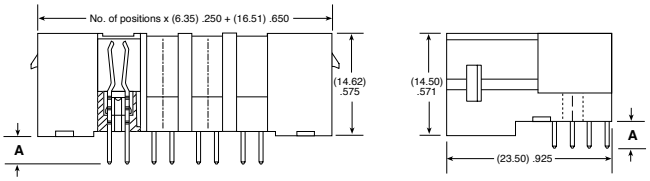
(6.35 mm) .250" PITCH • 40 A HIGH-POWER SYSTEM

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

PET

Board Mates: PES
Cable Mates: PESS

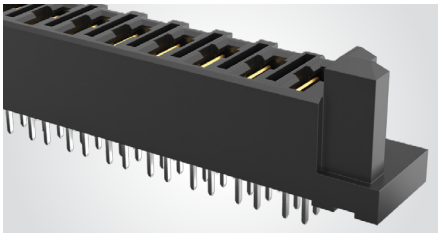


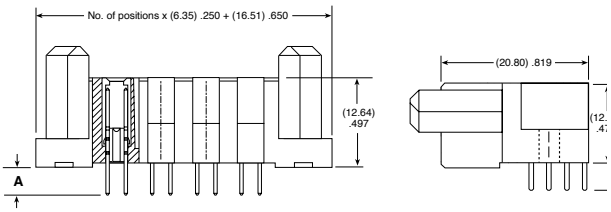


-VT -RA-SD

PES

Board Mates: PET





-VT -RA-SD

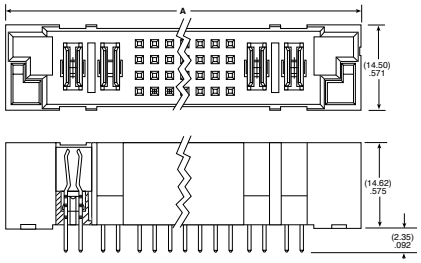
View complete specifications at: **samtec.com?PET** & **samtec.com?PES**

SERIES	POWER PINS	SIGNAL PINS	POWER PINS	01	PLATING OPTION	TAIL	OTHER OPTION
PETC Terminal	**–01 –02 –04**	**–12 –40**	**–01 –02 –04**		**–L** = 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail	**–VT** = Vertical	**–SD** = Screw Down (Right-angle only)
PESC Socket					**–T** = Matte Tin	**– RA** = Right-angle	**–LC** = Locking Clip (Manual placement required)

PETC

Board Mates: PESC

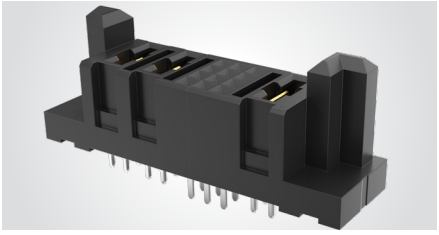


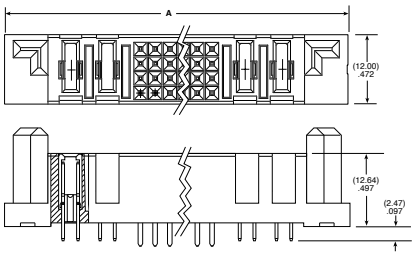


POWER PINS/ENDS	A	
	12 SIGNAL PINS	40 SIGNAL PINS
–01	(39.37) 1.550	(57.15) 2.250
–02	(52.07) 2.050	(69.85) 2.750
–04	(77.47) 3.050	(95.25) 3.750

PESC

Board Mates: PETC





View complete specifications at: **samtec.com?PETC** & **samtec.com?PESC**

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

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