

PES-08-02-L-VT



PET-04-01-L-VT

PES, PET SERIES

(6,35 mm) .250"

# 40 A HIGH POWER HEADER & SOCKET

PES Mates with:  
PET

PET Mates with:  
PES, PESS

## SPECIFICATIONS

For complete specifications see [www.samtec.com?PET](http://www.samtec.com?PET) or [www.samtec.com?PES](http://www.samtec.com?PES)

**Insulator Material:** Black LCP  
**Terminal Material:** Copper Alloy  
**Plating:** Sn or Au over 50µ" (1,27 µm) Ni  
**Operating Temp Range:**  
 -55°C to +105°C with Tin  
 -55°C to +125°C with Gold  
**Voltage Rating:**  
 725 VAC/1025 VDC  
**Wiping Distance (PES):**  
 (0,38 mm) .015"  
**RoHS Compliant:** Yes  
**Lead-Free Solderable:** Yes

PET/PES	
PINS	CURRENT RATING (PER CONTACT)
1	58.7 A
2	48.5 A
3	41.1 A
4	38.0 A
ALL	29.4 A

## RECOGNITIONS

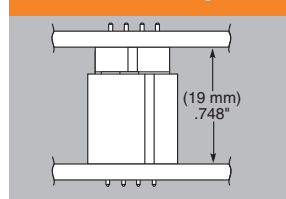
For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



## ALSO AVAILABLE (MOQ Required)

- Locking Clip (Manual placement required)
  - No Latch ears
  - Other platings
- Contact Samtec.

## MATED HEIGHT



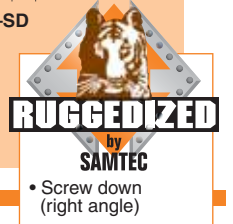
**Note:** Some sizes, styles and options are non-standard, non-returnable.

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 = 10µ" (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)

LEAD STYLE	A
-01	(2,35) .093
-02	(3,95) .156

## OTHER SOLUTIONS

• Combination Signal/Power. See PESC or PETC Series.



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Due to technical progress, all designs, specifications and components are subject to change without notice.

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