



(6.35 mm) .250"

PES, PET SERIES

# 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 50 μ" (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:**

(4.14 mm) .163" Max

**Standard Creepage:**

(3.66 mm) .144"

**Standard Clearance:**

(3.31 mm) .130"

**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
8	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

## OTHER SOLUTIONS

- Combination Signal/Power. See PES or PETC Series.

**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	<p><b>-01</b> = Use with (1.60 mm) .062" Thick PCB</p> <p><b>-02</b> = Use with (3.18 mm) .125" Thick PCB</p>	<p><b>-L</b> = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail</p> <p><b>-T</b> = Matte Tin</p>	<p><b>-VT</b> = Vertical</p> <p><b>-RA</b> = Right-angle (Screw Down option required)</p>	<p><b>-SD</b> = Screw Down (Right-angle only)</p>

  

LEAD STYLE	A
-01	(2.35) .093
-02	(3.95) .156

  

**RUGGEDIZED BY SAMTEC**

- Screw down (right-angle)

### CREPAGE AND CLEARANCE

Selectively loading contacts achieves customer specific creepage and clearance requirements.

Contact [asp@samtec.com](mailto:asp@samtec.com)

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