



**POWER STRIP 40**



PES-08-02-L-VT



PES-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 50 μm (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)



FILE NO. E111594

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

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

**RUGGEDIZED BY SAMTEC**

• Screw down (right-angle)

**CREEPAGE AND CLEARANCE**

Selectively loading contacts achieves customer specific creepage and clearance requirements.  
Contact [asp@samtec.com](mailto:asp@samtec.com)

| 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<br>-02 = Use with (3.18 mm) .125" Thick PCB | -L = 10 μm (0.25 μm) Gold on contact, Matte Tin on tail<br>-T = Matte Tin | -VT = Vertical<br>-RA = Right-angle (Screw Down option required) | -SD = Screw Down (Right-angle only) |

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

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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.