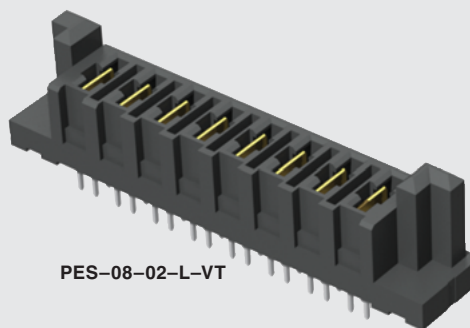
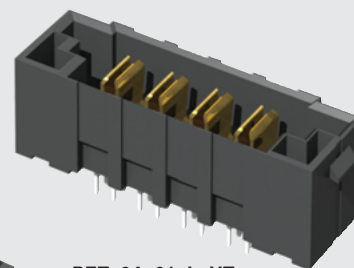




PES-08-02-L-VT



PET-04-01-L-VT

(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  
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<br>(PER CONTACT) |
| 1       | 58.7 A                          |
| 2       | 48.5 A                          |
| 3       | 41.1 A                          |
| 4       | 38.0 A                          |
| ALL     | 29.4 A                          |

## RECOGNITIONS

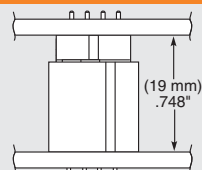
For complete scope  
of recognitions see  
[www.samtec.com/quality](http://www.samtec.com/quality)



## ALSO AVAILABLE (MOQ Required)

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

## MATED HEIGHT



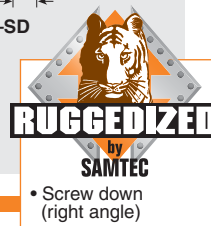
**Note:** Some sizes, styles  
and options are non-standard,  
non-returnable.

| PES | NO. PINS PER ROW   | LEAD STYLE                                                                                                              | PLATING OPTION                                                                                      | TAIL OPTION                                                                                 | OTHER OPTION                                               |
|-----|--------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------|
|     | -02, -04, -06, -08 | <p>-01<br/>= Use with<br/>(1,60 mm) .062"<br/>Thick PCB</p> <p>-02<br/>= Use with<br/>(3,18 mm) .125"<br/>Thick PCB</p> | <p>-L<br/>= 10µ" (0,25 µm)<br/>Gold on contact,<br/>Matte Tin on tail</p> <p>-T<br/>= Matte Tin</p> | <p>-VT<br/>= Vertical</p> <p>-RA<br/>= Right Angle<br/>(Screw Down<br/>option required)</p> | <p>-SD<br/>= Screw<br/>Down<br/>(Right<br/>Angle only)</p> |

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

## OTHER SOLUTIONS

- Combination Signal/Power.  
See PES-C or PET-C Series.



- Screw down  
(right angle)

| PET | NO. PINS PER ROW   | LEAD STYLE                                                                                                              | PLATING OPTION                                                                                      | TAIL OPTION                                                                                 | OTHER OPTION                                               |
|-----|--------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------|
|     | -02, -04, -06, -08 | <p>-01<br/>= Use with<br/>(1,60 mm) .062"<br/>Thick PCB</p> <p>-02<br/>= Use with<br/>(3,18 mm) .125"<br/>Thick PCB</p> | <p>-L<br/>= 10µ" (0,25 µm)<br/>Gold on contact,<br/>Matte Tin on tail</p> <p>-T<br/>= Matte Tin</p> | <p>-VT<br/>= Vertical</p> <p>-RA<br/>= Right Angle<br/>(Screw Down<br/>option required)</p> | <p>-SD<br/>= Screw<br/>Down<br/>(Right<br/>Angle only)</p> |

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