


**POWER<sup>TM</sup>  
STRIP<sup>40</sup>**

PESC-02-40-02-01-L-VT

PETC-01-40-01-01-L-VT

PETC, PESC SERIES

(6.35 mm) .250" (PWR) (2.54 mm) .100" (SIG)

# 40 A SIGNAL/POWER COMBO SYSTEM

## SPECIFICATIONS

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

### Insulator Material:

Black LCP

### Terminal Material:

Copper Alloy

### Plating:

Sn or Au over 50  $\mu$ " (1.27  $\mu$ m) Ni

### Current Rating (Signal Pin):

5.7 A per pin  
(4 pins powered)

### Insertion Depth (Power Pin):

(5.00 mm) .197" to

(8.46 mm) .333"

### Wiping Distance:

Signal: (1.5 mm) .059" Max

Power: (4.14 mm) .163" Max

### Operating Temp Range:

-55 °C to +125 °C for Au

-55 °C to +105 °C for Sn

### Voltage Rating:

Signal: 450 VAC/636 VDC

Power: 650 VAC/919 VDC

### Standard Creepage:

(3.66 mm) .144" (power)

### Standard Clearance:

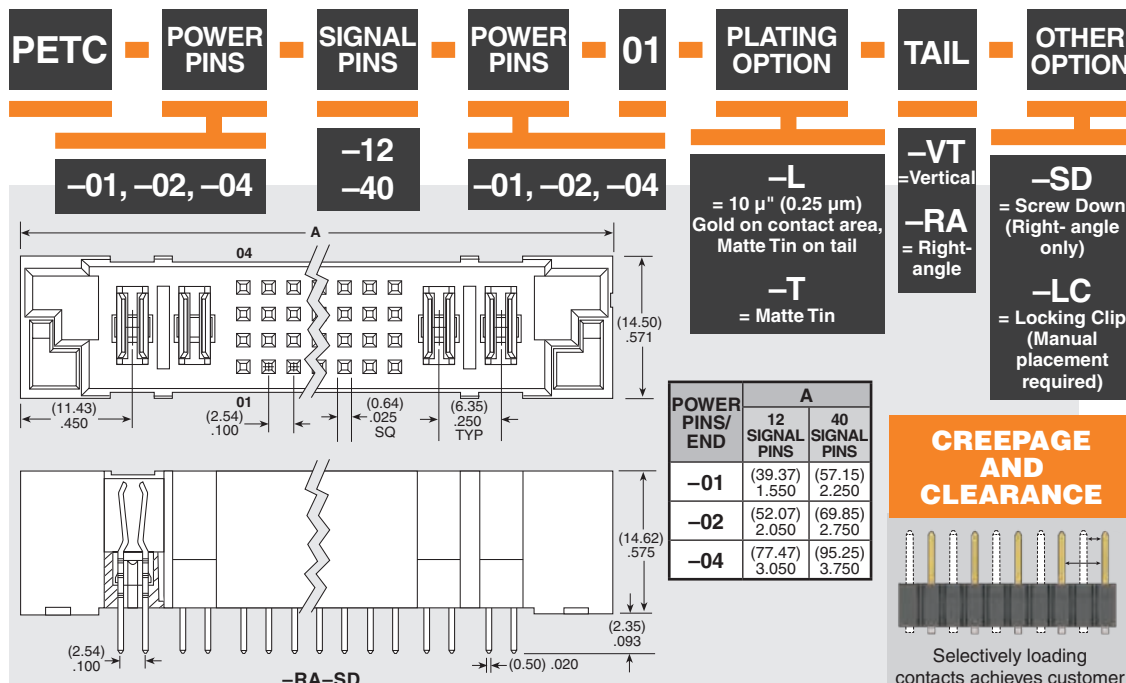
(3.31 mm) .130" (power)

### RoHS Compliant:

Yes

### Lead-Free Solderable:

Yes



## CREEPAGE AND CLEARANCE

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

PETC/PESC	
POWER PINS	CURRENT RATING (PER CONTACT)
1	31.4 A
2	28.0 A
3	24.4 A
4	22.9 A

## RECOGNITIONS

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



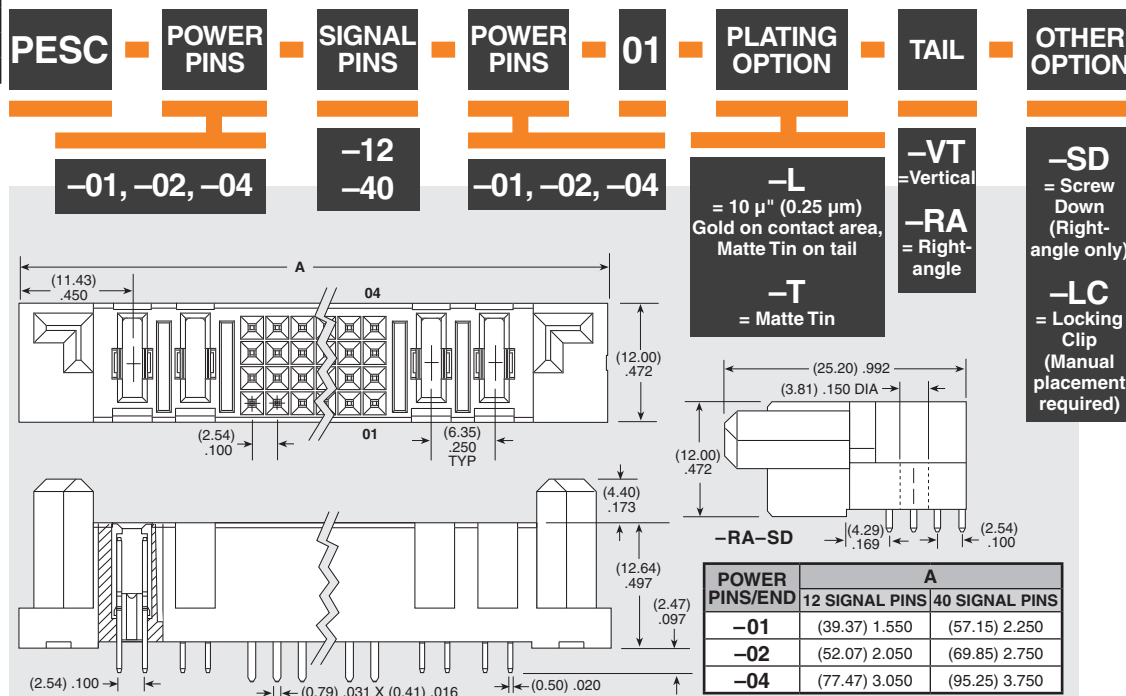
## ALSO AVAILABLE (MOQ Required)

- Other signal pins
- Power pins
- Asymmetric power pin placement
- Other platings

### Notes:

The number of power pins on each end must equal.

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



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.

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[PESC-01-12-01-01-L-RA-LC](#) [PESC-04-40-04-01-L-RA-LC](#)