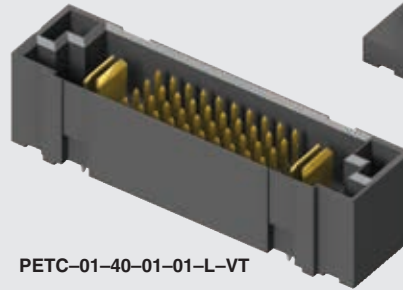




POWER STRIP 40

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



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

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

PETC, PESC SERIES

40 A SIGNAL/POWER COMBO SYSTEM

SPECIFICATIONS

For complete specifications see www.samtec.com?PETC or www.samtec.com?PESC

Insulator Material:
Black LCP

Terminal Material:
Copper Alloy

Plating:

Sn or Au over 50 μm (1.27 μm) 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

| 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



FILE NO. E111594

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.

PETC

POWER PINS

SIGNAL PINS

POWER PINS

01

PLATING OPTION

TAIL

OTHER OPTION

-01, -02, -04

-12

-40

-01, -02, -04

-L

= 10 μm (0.25 μm)
Gold on contact area,
Matte Tin on tail

-T

= Matte Tin

-VT

= Vertical

-RA

= Right-angle

-SD

= Screw Down
(Right-angle only)

-LC

= Locking Clip
(Manual placement required)

Diagram showing top and side views of the PETC component. Dimensions include: (11.43) .450, (2.54) .100, (0.64) .025 SQ, (6.35) .250 TYP, (14.50) .571, (14.62) .575, (2.54) .100, (0.50) .020, and A.

| POWER PINS/END | A | |
|----------------|----------------|----------------|
| | 12 SIGNAL PINS | 40 SIGNAL PINS |
| -01 | (39.37) 1.550 | (57.15) 2.250 |
| -02 | (52.07) 2.050 | (69.85) 2.750 |
| -04 | (77.47) 3.050 | (95.25) 3.750 |

CREEPAGE AND CLEARANCE

Selectively loading contacts achieves customer specific creepage and clearance requirements.
Contact asp@samtec.com

PESC

POWER PINS

SIGNAL PINS

POWER PINS

01

PLATING OPTION

TAIL

OTHER OPTION

-01, -02, -04

-12

-40

-01, -02, -04

-L

= 10 μm (0.25 μm)
Gold on contact area,
Matte Tin on tail

-T

= Matte Tin

-VT

= Vertical

-RA

= Right-angle

-SD

= Screw Down
(Right-angle only)

-LC

= Locking Clip
(Manual placement required)

Diagram showing top and side views of the PESC component. Dimensions include: (11.43) .450, (2.54) .100, (0.64) .025 SQ, (6.35) .250 TYP, (12.00) .472, (12.64) .497, (2.47) .097, (2.54) .100, (0.79) .031 X (0.41) .016, (0.50) .020, (4.40) .173, (25.20) .992, (3.81) .150 DIA, (4.29) .169, and A.

| POWER PINS/END | A | |
|----------------|----------------|----------------|
| | 12 SIGNAL PINS | 40 SIGNAL PINS |
| -01 | (39.37) 1.550 | (57.15) 2.250 |
| -02 | (52.07) 2.050 | (69.85) 2.750 |
| -04 | (77.47) 3.050 | (95.25) 3.750 |

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

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.