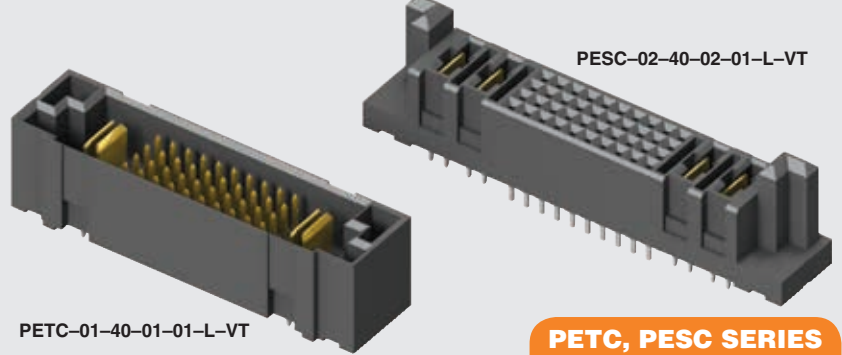


POWER STRIP 40



(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 μ" (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



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 μ" (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)

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