



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 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 (Power Pin):** (0.38 mm) .015"
- 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)

Top view dimensions: (11.43) .450, (2.54) .100, (0.64) .025 SQ, (6.35) .250 TYP, (14.50) .571

Side view dimensions: (14.62) .575, (2.35) .093, (0.50) .020

Labels: 04, 01, -RA-SD

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

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= Vertical

-RA

= Right-angle

-SD

= Screw Down (Right-angle only)

-LC

= Locking Clip (Manual placement required)

Top view dimensions: (11.43) .450, (2.54) .100, (0.79) .031 X (0.41) .016, (6.35) .250 TYP, (12.00) .472

Side view dimensions: (4.40) .173, (12.64) .497, (2.47) .097, (0.50) .020

Labels: 04, 01, -RA-SD

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.

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