



PES-08-02-L-VT



PES-04-01-L-VT

PES, PET SERIES

(6.35 mm) .250"

40 A HIGH POWER HEADER & SOCKET

PES Mates with:
PET

PET Mates with:
PES, PESS

SPECIFICATIONS

For complete specifications see www.samtec.com?PET or www.samtec.com?PES

Insulator Material:
Black LCP

Terminal Material:
Copper Alloy

Plating:
Sn or Au over 50 μ" (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:
(4.14 mm) .163" Max

Standard Creepage:
(3.66 mm) .144"

Standard Clearance:
(3.31 mm) .130"

RoHS Compliant:
Yes

Lead-Free Solderable:
Yes

PET/PES	
PINS	CURRENT RATING (PER CONTACT)
1	58.7 A
2	48.5 A
3	41.1 A
4	38.0 A
8	29.4 A

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



FILE NO. E111394

ALSO AVAILABLE (MOQ Required)

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

OTHER SOLUTIONS

- Combination Signal/Power. See PES or PETC Series.

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	-01 = Use with (1.60 mm) .062" Thick PCB -02 = Use with (3.18 mm) .125" Thick PCB	-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail -T = Matte Tin	-VT = Vertical -RA = Right-angle (Screw Down option required)	-SD = Screw Down (Right-angle only)

LEAD STYLE	A
-01	(2.35) .093
-02	(3.95) .156

RUGGEDIZED BY SAMTEC

• Screw down (right-angle)

CREEPAGE AND CLEARANCE

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

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