



(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 μm (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. E111594

ALSO AVAILABLE (MOQ Required)

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

OTHER SOLUTIONS

- Combination Signal/Power. See PES-C or PET-C 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 μm (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)							
		<table border="1"> <thead> <tr> <th>LEAD STYLE</th> <th>A</th> </tr> </thead> <tbody> <tr> <td>-01</td> <td>(2.35) .093</td> </tr> <tr> <td>-02</td> <td>(3.95) .156</td> </tr> </tbody> </table>	LEAD STYLE	A	-01	(2.35) .093	-02	(3.95) .156				<div style="border: 1px solid black; padding: 5px;"> <p>RUGGEDIZED BY SAMTEC</p> <ul style="list-style-type: none"> • Screw down (right-angle) </div>
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<div style="border: 1px solid black; padding: 5px;"> <p>CREEPAGE AND CLEARANCE</p> <p>Selectively loading contacts achieves customer specific creepage and clearance requirements. Contact asp@samtec.com</p> </div>												

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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.