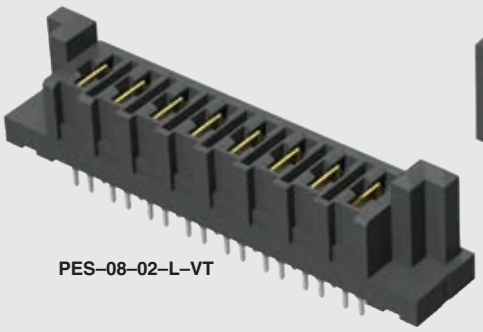
samtec

POWER STRIP 40


PES–08–02–L–VT

PET–04–01–L–VT

(6.35 mm) .250"

PES, PET SERIES

# 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. E111594

## ALSO AVAILABLE (MOQ Required)

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

## OTHER SOLUTIONS

- Combination Signal/Power. See PESC 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**

**NO. PINS PER ROW:** –02, –04, –06, –08

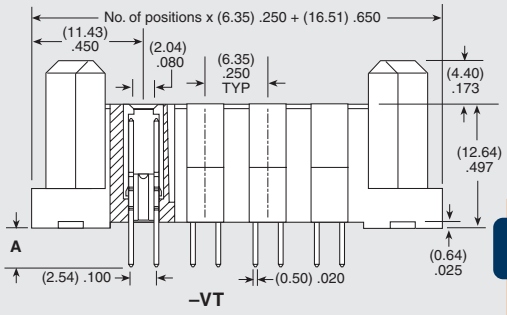
**LEAD STYLE:**
–01 = Use with (1.60 mm) .062" Thick PCB
–02 = Use with (3.18 mm) .125" Thick PCB

**PLATING OPTION:**
–L = 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail
–T = Matte Tin

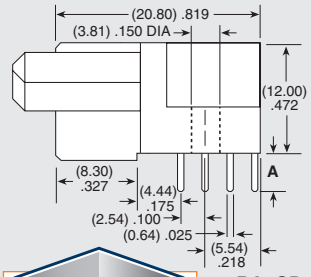
**TAIL OPTION:**
–VT = Vertical
– RA = Right-angle (Screw Down option required)

**OTHER OPTION:**
–SD = Screw Down (Right-angle only)

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



–VT

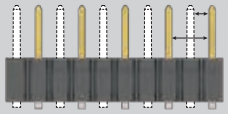


–RA–SD

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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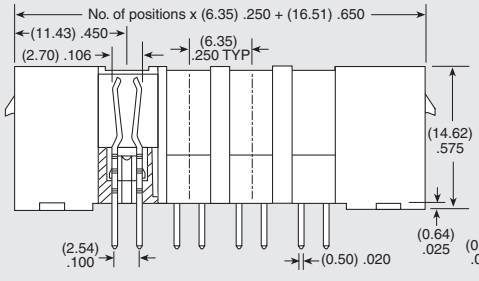
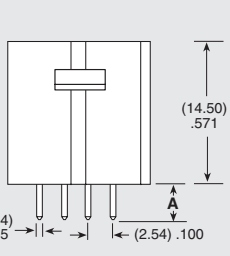
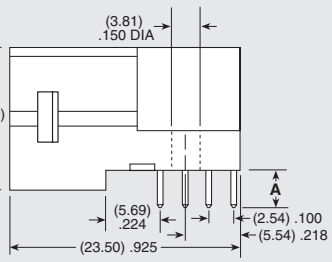


–VT



–RA–SD

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



*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.*