



MPS-02-7.70-01-L-V



MPS-06-7.70-01-L-V

**MPS SERIES**

**(5.00 mm) .1969"**

# 30 A DUAL LEAF SOCKET

**SPECIFICATIONS**

For complete specifications see [www.samtec.com?MPT](http://www.samtec.com?MPT)

**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:** 575 VAC/812 VDC

**Standard Creepage:** (2.86 mm) .113"

**Standard Clearance:** (2.71 mm) .106"

**RoHS Compliant:** Yes

**Lead-Free Solderable:** Yes

Yes

**Mates with:** MPT

Dual leaf blade contacts

5.00 mm pitch

14 mm stack height

MPT-V/MPS-V	
POWER PINS	CURRENT RATING (PER CONTACT)
1	28.8 A
2	24.7 A
3	24.1 A
4	22.3 A
8	18.5 A
-T PLATING	

Polarized guide posts

Mate available for perpendicular board mating

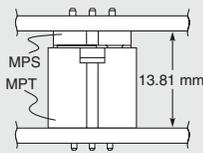
**RECOGNITIONS**

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



<b>MPS</b>	<b>POWER PINS</b>	<b>LEAD STYLE</b>	<b>TAIL LENGTH</b>	<b>PLATING OPTION</b>	<b>V</b>
	<b>-02, -03, -04, -06, -08</b>	<b>-7.70</b> = (7.70 mm) .303"	<b>-01</b> = Use with (1.60 mm) .062" Thick PCB <b>-03</b> = Use with (2.36 mm) .093" Thick PCB	<b>-L</b> = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail <b>-T</b> = Matte Tin	

**MATED HEIGHT**



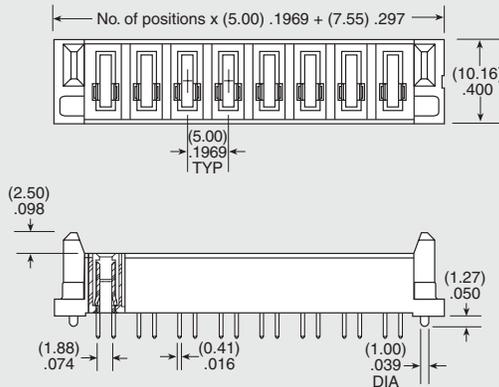
**OTHER SOLUTIONS**

- Power/Signal combination Headers (see MPSC Series)
- High Power Headers (see PES Series)

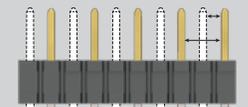
**ALSO AVAILABLE (MOQ Required)**

- Other sizes
- Locking Clip (Manual placement required)

**Note:** Some sizes, styles and options are non-standard, non-returnable.



**CREEPAGE AND CLEARANCE**



Selectively loading contacts achieves customer specific creepage and clearance requirements. Contact [asp@samtec.com](mailto:asp@samtec.com)

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