



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

**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:**  
575 VAC/812 VDC  
**Standard Creepage:**  
(2.86 mm) .113"  
**Standard Clearance:**  
(2.71 mm) .106"  
**RoHS Compliant:**  
Yes  
**Lead-Free Solderable:**  
Yes

Mates with:  
MPT

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
All	18.5 A

-T PLATING

Dual leaf blade contacts

5.00 mm pitch

14 mm stack height

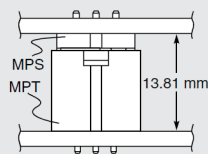
Polarized guide posts

Mate available for perpendicular board mating

## RECOGNITIONS



### MATED HEIGHT



**MPS**

**POWER PINS**

**LEAD STYLE**

**TAIL LENGTH**

**PLATING OPTION**

**V**

-02, -03, -04, -06, -08

-7.70  
= (7.70 mm)  
.303"

-01  
= Use with  
(1.60 mm) .062"  
Thick PCB

-03  
= Use with  
(2.36 mm) .093"  
Thick PCB

-L  
= 10 μm (0.25 μm)  
Gold on contact,  
Matte Tin on tail

-T  
= Matte Tin

### 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)
  - Increased creepage and clearance with the removal of contacts
- Contact Samtec.

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

