



POWER™ STRIP 30

MPTC-01-80-01-6.30-01-L-V-LC

MPSC-01-80-01-7.70-01-L-V



(5.00 mm) .197" (PWR) (2.00 mm) .079" (SIG)

MPTC, MPSC SERIES

30 A SIGNAL/POWER COMBO SYSTEM

MPTC Mates with:
MPSC, MPCC

MPSC Mates with:
MPTC

SPECIFICATIONS

For complete specifications see www.samtec.com?MPTC or www.samtec.com?MPSC

Insulator Material: Black LCP
Terminal/Contact Material: Signal: Phosphor Bronze
Power: 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: 250 VAC/354 VDC
Standard Creepage: MPTC: (2.86 mm) .113" (power)
MPSC: (2.86 mm) .113" (without -LC, power)
(2.69 mm) .105" (with -LC, power)

Standard Clearance: (2.71 mm) .106" (without -LC, power)
MPTC: (2.54 mm) .100" (with -LC, power)
MPSC: (1.93 mm) .076" (with -LC, power)

RoHS Compliant: Yes

Lead-Free Solderable: Yes



-01, -02
= Power Pins Per End

-16, -24, -40, -80

-01, -02
= Power Pins Per End

-6.30
= (6.30 mm) 0.248"

-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 (Power & Signal)

-T
= Matte Tin on contacts and tail (Power), Gold on contact, Matte Tin on tail (Signal)

-LC
= Locking Clip (Manual placement required)

Note: Available standard power pin combinations: MPTC-01-XX-01 or MPTC-02-XX-02.

MPTC-V/MPSC-V	
POWER PINS	CURRENT RATING (PER CONTACT)
1	28.8 A
2	24.7 A
3	24.1 A
4	22.3 A
-T PLATING	



POWER PINS/END	A			
	16 SIGNAL PINS	24 SIGNAL PINS	40 SIGNAL PINS	80 SIGNAL PINS
-01	(27.44) 1.081	(31.45) 1.238	(39.44) 1.553	(59.44) 2.340
-02	(37.44) 1.474	(41.45) 1.632	(49.44) 1.946	(69.44) 2.734

RUGGEDIZED
BY SAMTEC

• Locking clip option

CREEPAGE AND CLEARANCE



Selectively loading contacts achieves customer specific creepage and clearance requirements.

Contact asp@samtec.com

RECOGNITIONS

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



MATED HEIGHT



ALSO AVAILABLE (MOQ Required)

- 4, 8, 36 and 48 total signal pins

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



-01, -02
= Power Pins Per End

-16, -24, -40, -80

-01, -02
= Power Pins Per End

-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 (Power & Signal)

-T
= Matte Tin on contacts and tail (Power), Gold on contact, Matte Tin on tail (Signal)

-LC
= Locking Clip (Manual placement required) (Not available with -16 signal pins)

Note: Available standard power pin combinations: MPSC-01-XX-01 or MPSC-02-XX-02.



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

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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.