


**POWERTM
STRIP³⁰**

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 μ " (1.27 μ m) 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

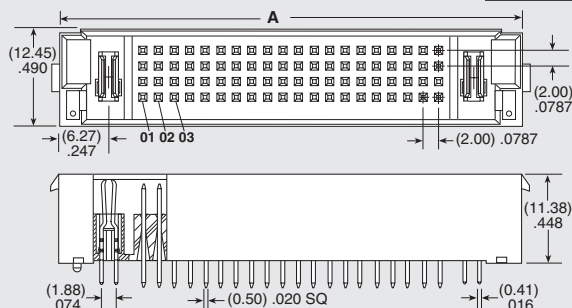
Note:

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 | |

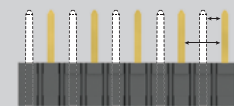
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• Locking clip option



| 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 |

CREEPAGE AND CLEARANCE



Selectively loading contacts achieves customer specific creepage and clearance requirements.

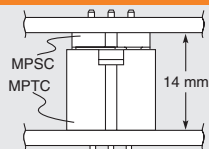
Contact asp@samtec.com

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

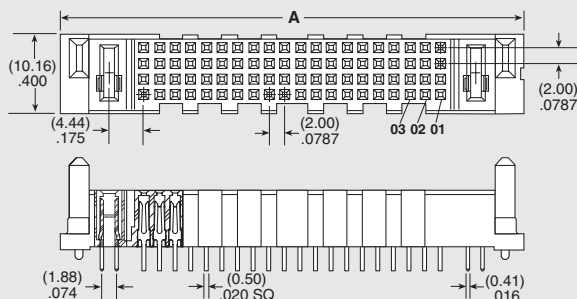
Note:

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

| MPSC | PWR PINS | SIG PINS | PWR PINS | LEAD STYLE | TAIL LENGTH | PLATING OPTION | V | OTHER OPTION |
|----------------------|--------------------|----------------------|--------------------|--------------------------------------|---|---|---|---|
| -01, -02 | -16, -24, -40, -80 | -01, -02 | -6.30 | -01 | -L | -T | | -LC |
| = Power Pins Per End | | = Power Pins Per End | = (6.30 mm) 0.248" | = Use with (1.60 mm) .062" Thick PCB | = 10 μ " (0.25 μ m) Gold on contact, Matte Tin on tail (Power & Signal) | = Matte Tin on contacts and tail (Power), Gold on contact, Matte Tin on tail (Signal) | | = Locking Clip (Manual placement required) (Not available with -16 signal pins) |
| | | | | -03 | | | | |
| | | | | = Use with (2.36 mm) .093" Thick PCB | | | | |

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.

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.