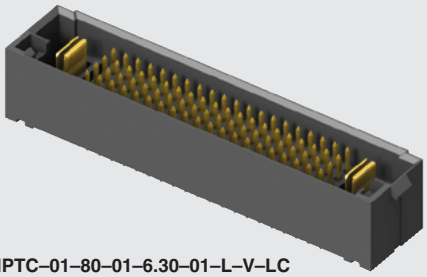
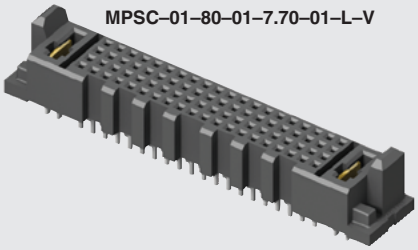
samtec

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 µ" (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

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	

RUGGEDIZED BY SAMTEC

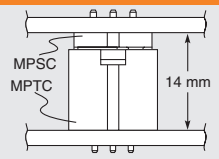
- Locking clip option

RECOGNITIONS

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

FILE NO. E111594

MATED HEIGHT



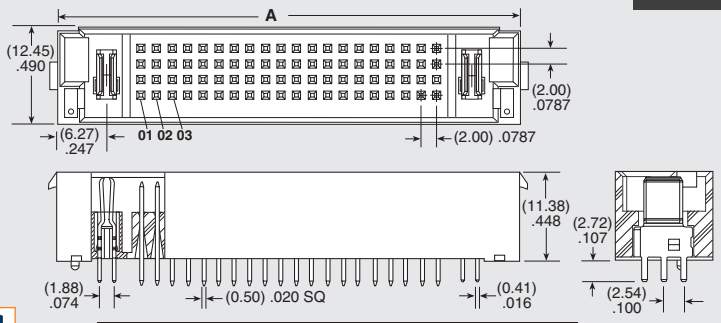
ALSO AVAILABLE (MOQ Required)

- 4, 8, 36 and 48 total signal pins

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

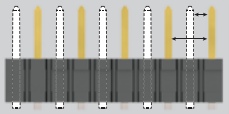
MPTC	PWR PINS	SIG PINS	PWR PINS	LEAD STYLE	TAIL LENGTH	PLATING OPTION	V	OTHER OPTION
	–01, –02 = Power Pins Per End	–16, –24, –40, –80	–01, –02 = Power Pins Per End	–6.30 = (6.30 mm) 0.248"	–01 = Use with (1.60 mm) .062" Thick PCB –03 = Use with (2.36 mm) .093" Thick PCB	–L = 10 µ" (0.25 µm) Gold on 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.



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

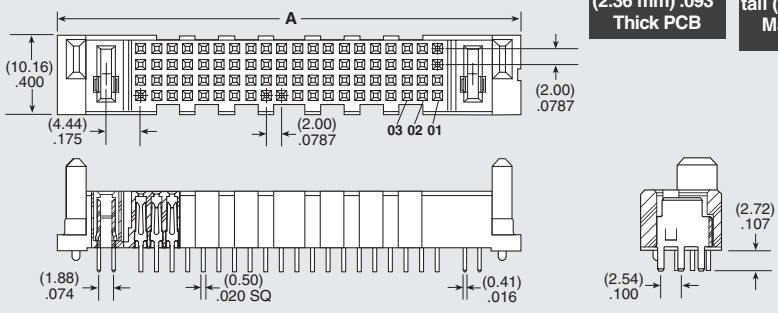


Selectively loading contacts achieves customer specific creepage and clearance requirements.

Contact asp@samtec.com

MPSC	PWR PINS	SIG PINS	PWR PINS	LEAD STYLE	TAIL LENGTH	PLATING OPTION	V	OTHER OPTION
	–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 µ" (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.

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.