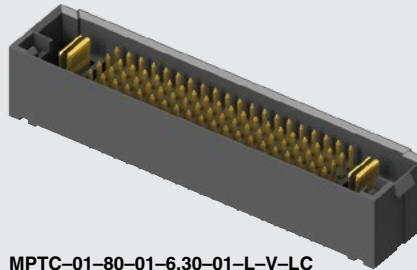
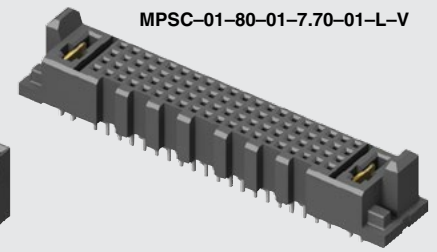




**POWER STRIP 30**



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

**Insulator Material:** Black LCP  
**Terminal/Contact Material:** Signal: Phosphor Bronze; Power: Copper Alloy  
**Plating:** Sn or Au over 50 μ" (1.27 μm) Ni with Gold  
**Operating Temp Range:** -55 °C to +105 °C with Tin; -55 °C to +125 °C with Gold  
**Voltage Rating:** 300 VAC/424 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

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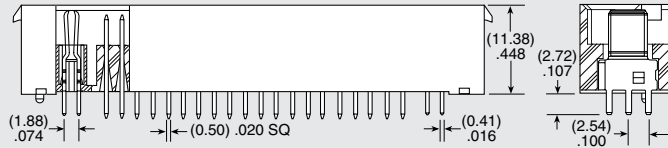
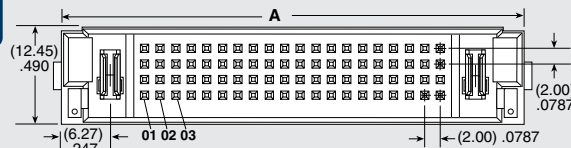
• Locking clip option

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

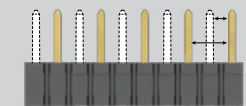
MPTC	PWR PINS	SIG PINS	PWR PINS	LEAD STYLE	TAIL LENGTH	PLATING OPTION	V	OTHER OPTION
-01, -02 = Power Pins Per End	-16, -24, -40, -80	-01, -02 = Power Pins Per End	-6.30 = (6.30 mm) 0.248"	-01 = Use with (1.60 mm) .062" Thick PCB -03 = Use with (2.36 mm) .093" Thick PCB	-L = 10 μ" (0.25 μm) Gold on contact,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

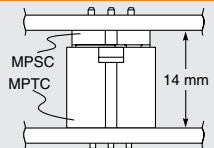


Selectively loading contacts achieves customer specific creepage and clearance requirements.

## RECOGNITIONS



## MATED HEIGHT



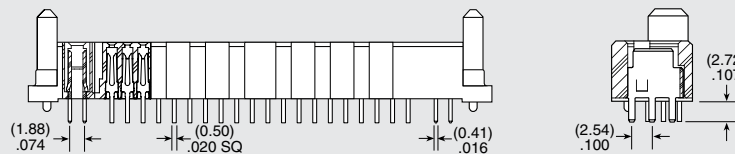
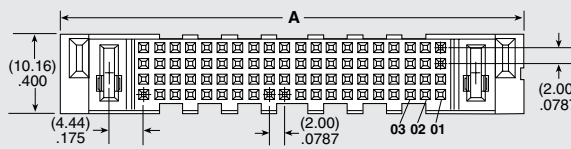
## ALSO AVAILABLE (MOQ Required)

- 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 = 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.



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• Locking clip option

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.