

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

MPTC-RA, MPSC-RA SERIES

30 A RIGHT-ANGLE SIGNAL/POWER COMBO

MPTC-RA Mates with:

MPSC, MPCC

MPSC-RA 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

Voltage Rating:

Power:

600 VAC/848 VDC

Signal:

450 VAC/636 VDC

Standard Creepage:

(2.86 mm) .113"

MPTC: (2.59 mm) .101"

(with -LC, power)

MPSC: (2.60 mm) .102"

(with -LC, power)

Standard Clearance:

MPTC: (2.72 mm) .107"

(without -LC, power)

(1.84 mm) .072"

(with -LC, power)

MPSC: (2.71 mm) .106"

(without -LC, power)

(1.85 mm) .073"

(with -LC, power)

RoHS Compliant:

Yes

Lead-Free Solderable:

Yes

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

RECOGNITIONS

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

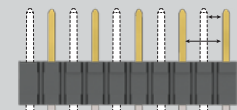


Note: Some sizes, styles
and options are non-standard,
non-returnable.

MPTC	PWR PINS	SIG PINS	PWR PINS	01	TAIL LENGTH	PLATING OPTION	RA	OTHER OPTION
-01, -02	= Power Pins Per End	-24 = Total Signal Pins	-80 = Total Signal Pins	-01, -02 = Power Pins Per End	-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)	-SD or -LC is a required callout -SD = Screw Down -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	
	24 SIGNAL PINS	80 SIGNAL PINS
-01	(35.25) 1.388	(63.25) 2.490
-02	(45.25) 1.781	(73.25) 2.884

CREEPAGE AND CLEARANCE


Selectively loading contacts achieves customer specific creepage and clearance requirements.

Contact asp@samtec.com

MPSC	PWR PINS	SIG PINS	PWR PINS	01	TAIL LENGTH	PLATING OPTION	RA	OTHER OPTION
-01, -02	= Power Pins Per End	-24 = Total Signal Pins	-80 = Total Signal Pins	-01, -02 = Power Pins Per End	-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)	-SD or -LC is a required callout -SD = Screw Down -LC = Locking Clip (Manual placement required)	

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

POWER PINS/END	A	
	24 SIGNAL PINS	80 SIGNAL PINS
-01	(36.52) 1.438	(64.52) 2.540
-02	(46.52) 1.831	(74.52) 2.934

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.