

MPT-04-01-01-L-RA-SD

(5.00 mm) .1969"

MPT-RA, MPS-RA SERIES

RIGHT-ANGLE 30 A POWER CONNECTORS

MPT-RA Mates with:
MPS, MPSS

MPS-RA Mates with:
MPT

SPECIFICATIONS

For complete specifications
see www.samtec.com?MPT
or www.samtec.com?MPS

Insulator Material:

Black LCP

Terminal Material:

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:

575 VAC/812 VDC

Standard Creepage:

(2.86 mm) .113"

Standard Clearance:

(2.71 mm) .106"

RoHS Compliant:

Yes

Lead-Free Solderable:

Yes

MPT-RA/MPS-RA	
POWER PINS	CURRENT RATING (PER CONTACT)
1	23.3 A
2	20.5 A
3	19.4 A
4	18.4 A
8	17.2 A
-L PLATING	

MPT

POWER PINS

01

TAIL LENGTH

PLATING OPTION

RA

SD

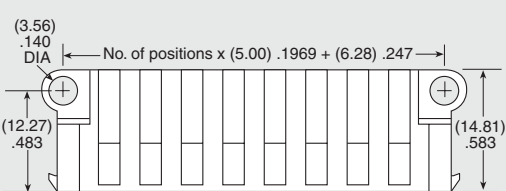
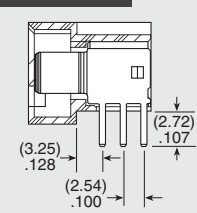
-02, -04, -06, -08

-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

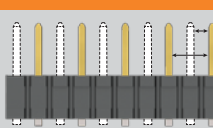
-T
= Matte Tin

RUGGEDIZED
BY SAMTEC

• Screw downs

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



FILE NO. E111594

OTHER SOLUTIONS

- Power/Signal combination headers & sockets (see MPTC or MPSC Series)
- High Power Headers (see PET Series)
- High Power Sockets (see PES Series)
- Vertical (see MPT or MPS Series)

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

MPS

POWER PINS

01

TAIL LENGTH

PLATING OPTION

RA

SD

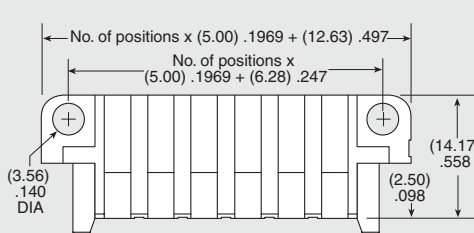
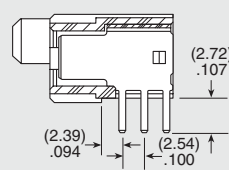
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= Matte Tin

ALSO AVAILABLE (MOQ Required)

- Other sizes
- Locking Clip (Manual placement required)

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.