

(2.54 mm) .100"

IPS1 SERIES

SHROUDED POWER CONNECTOR SET

SPECIFICATIONS

For complete specifications see www.samtec.com?IPS1

Insulator Material:

Black LCP

Contact Material:

Phosphor Bronze

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

Insertion Depth:

(3.81 mm) .150" to

(6.48 mm) .255"

Wiping Distance:

(0.38 mm) .015"

Voltage Rating:

775 VAC/1095 VDC

Standard Creepage:

(2.55 mm) .100" (without -LC)

(1.08 mm) .043" (with -LC)

Standard Clearance:

(1.75 mm) .069" (without -LC)

(0.62 mm) .024" (with -LC)

RoHS Compliant:

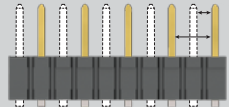
Yes

Mates with:

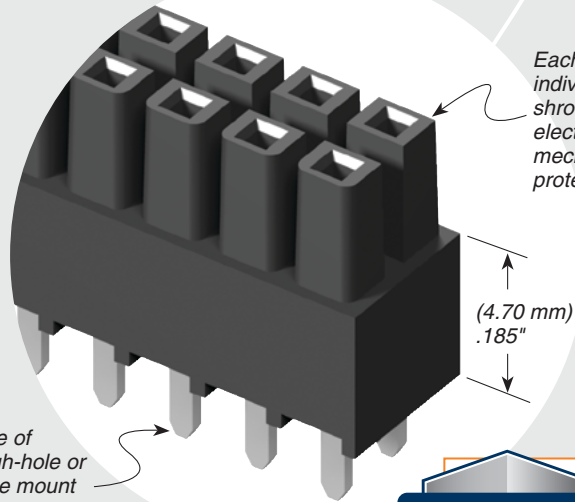
IPT1



CREEPAGE AND CLEARANCE



Selectively loading contacts achieves customer specific creepage and clearance requirements.
Contact asp@samtec.com



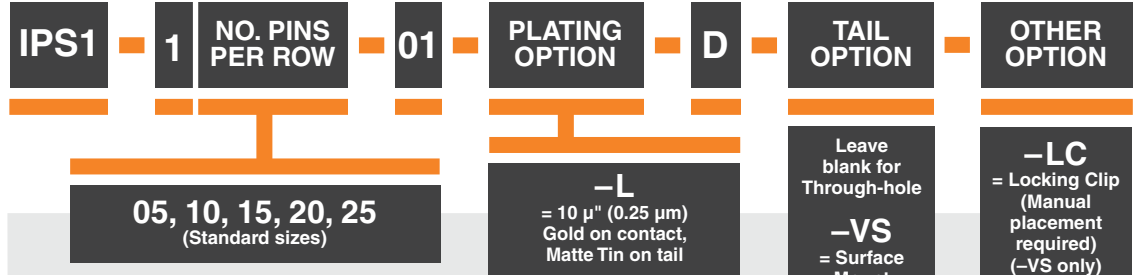
Each contact individually shrouded for electrical and mechanical protection

Choice of through-hole or surface mount



- Individually shrouded contacts
- Locking clip option

IPT1/IPS1	
PINS	CURRENT RATING (PER CONTACT)
1	5.9 A
2	4.8 A
3	4.1 A
4	3.6 A
50	2.3 A



PROCESSING

Lead-Free Solderable:
Yes

SMT Lead Coplanarity:

(0.13 mm) .005" max (05-10)*
(0.15 mm) .006" max (15-25)*
*.004" stencil solution may be available; contact IPG@samtec.com

RECOGNITIONS

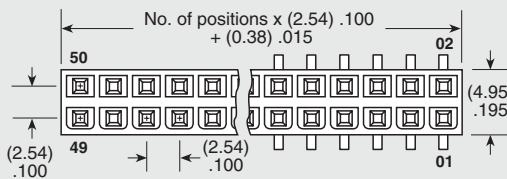
For complete scope of recognitions see www.samtec.com/quality



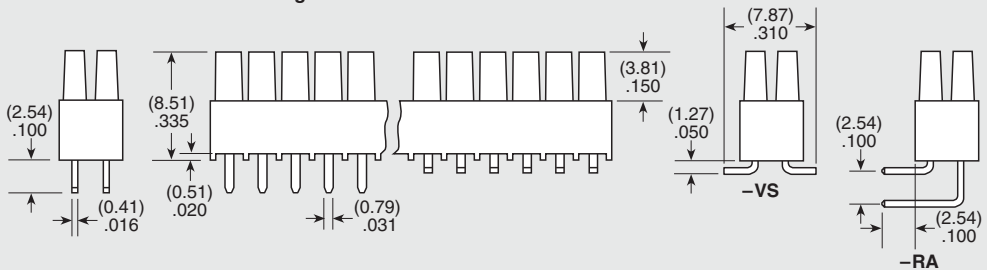
ALSO AVAILABLE (MOQ Required)

- Other sizes
- Other platings
- Latching feature
- No. 1 position polarized

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



Through-hole Surface Mount



Due to technical progress, all designs, specifications and components are subject to change without notice.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Samtec:

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