

(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:

(2.89 mm) .114" (without -LC)

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

Standard Clearance:

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

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

RoHS Compliant:

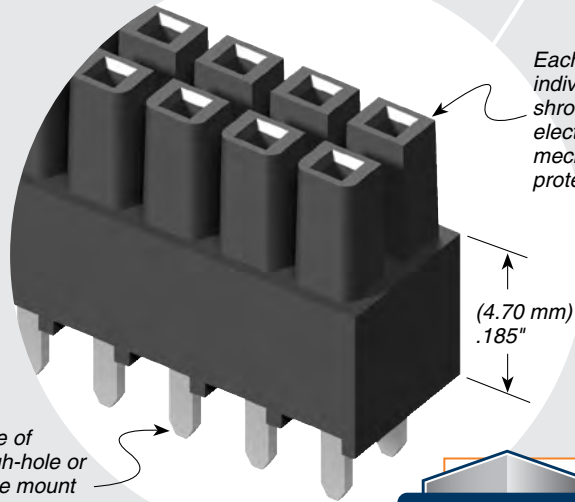
Yes

Mates with:

IPT1



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



RUGGEDIZED
BY SAMTEC

- Individually shrouded contacts
- Locking clip option

PROCESSING

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

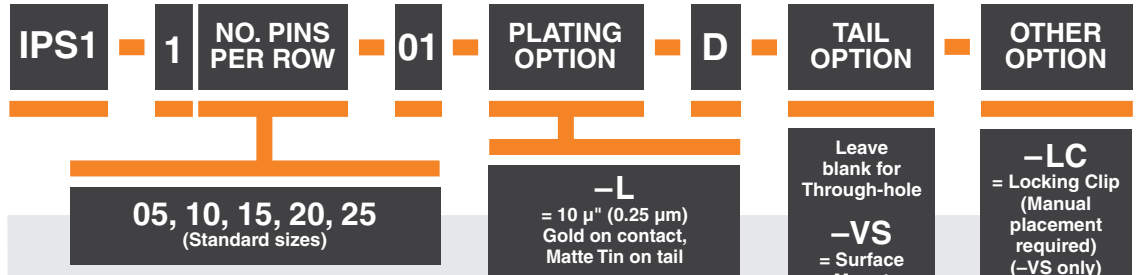
(0.13 mm) .005" max (05-10)

(0.15 mm) .006" max (15-25)

RECOGNITIONS

For complete scope of recognitions see

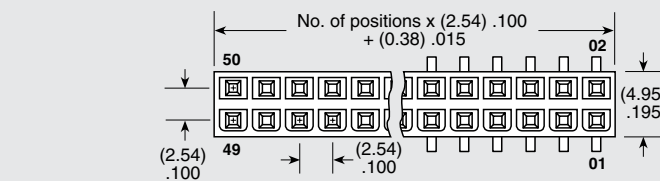
www.samtec.com/quality



ALSO AVAILABLE (MOQ Required)

- Other sizes
 - Other platings
 - Latching feature
 - No. 1 position polarized
 - Increased creepage and clearance with the removal of contacts
- Contact Samtec.

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



Through-hole

Surface Mount

