

(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:

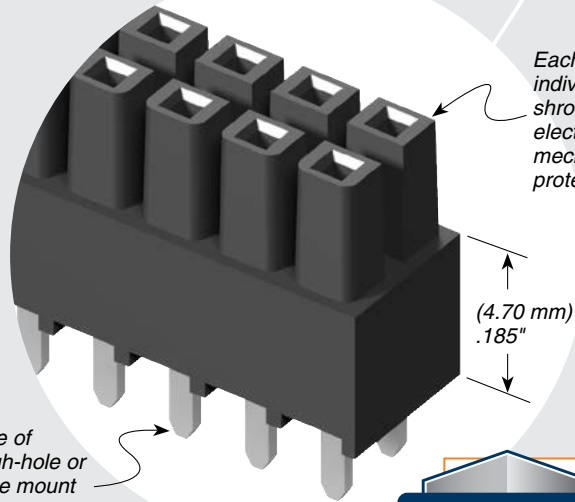
Yes

Mates with:

IPT1



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:

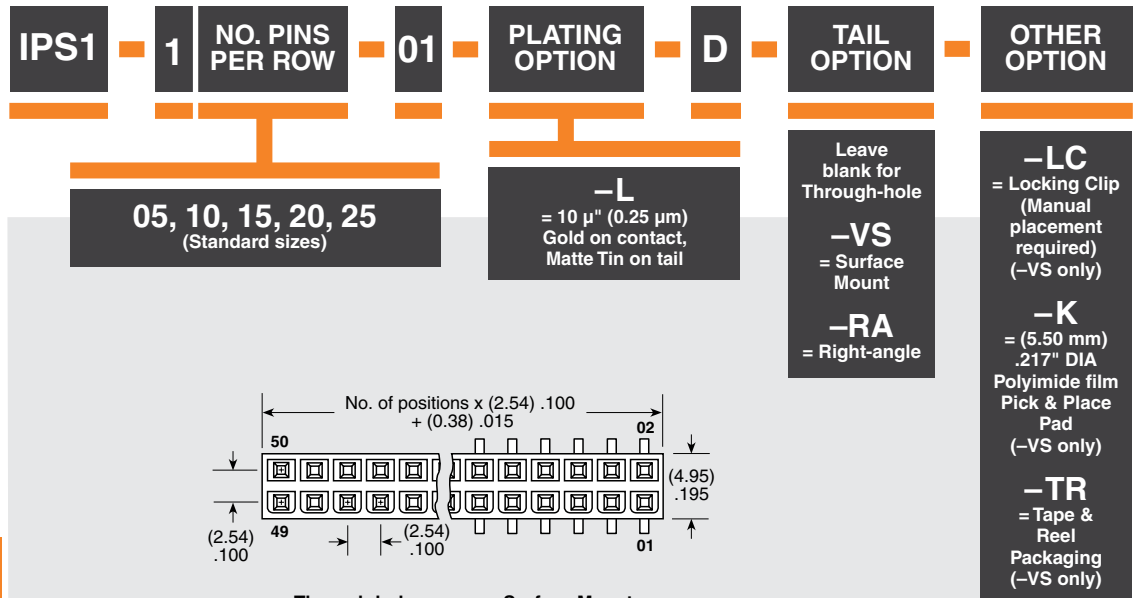
(0.13 mm) .005" max (05-10)

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

RECOGNITIONS

For complete scope of recognitions see

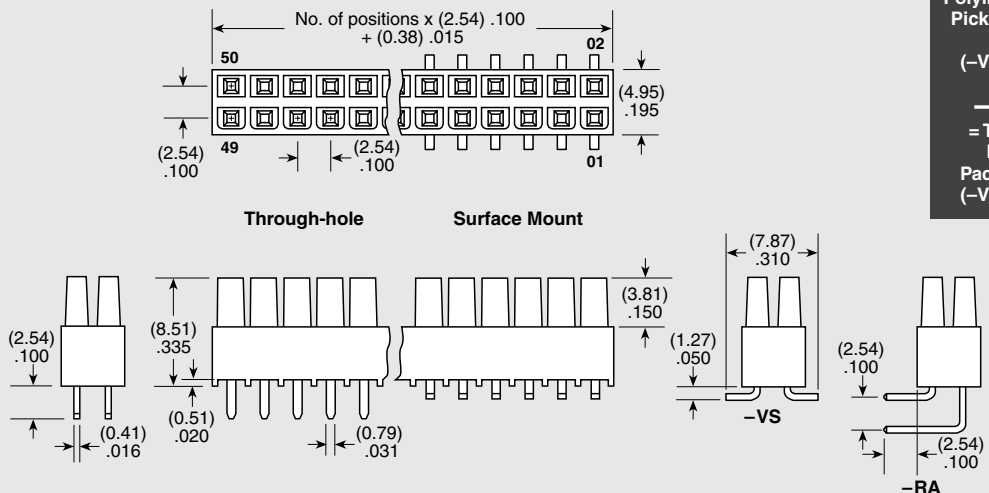
www.samtec.com/quality



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.



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.