

(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
50µ" (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"

Insertion Force (SMT):

3.0 oz (0.83 N) avg.

Withdrawal Force (SMT):

2.6 oz (0.72 N) avg.

Insertion Force (T/H):

6.0 oz (1.67 N) avg.

Withdrawal Force (T/H):

5.0 oz (1.39 N) avg.

Voltage Rating:

775 VAC/1095 VDC

RoHS Compliant:

Yes

Processing:

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

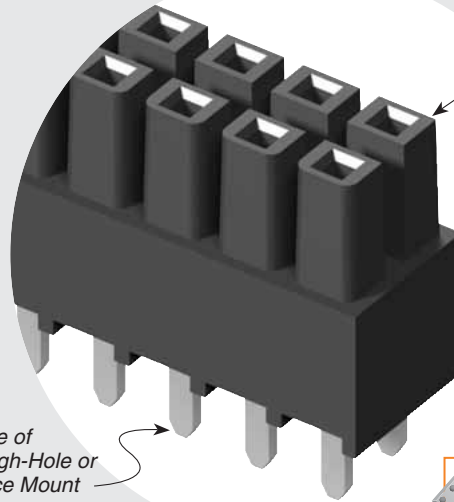
(0.13 mm) .005" max (05-10)
(0.15 mm) .006" max (15-25)

Mates with:

IPT1



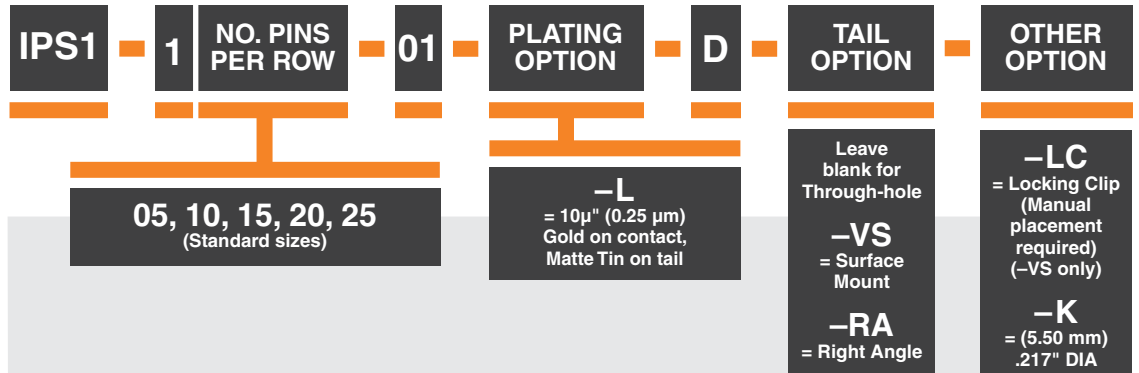
IPT1/IPS1	
PINS	CURRENT RATING (PER CONTACT)
1	5.9 A
2	4.8 A
3	4.1 A
4	3.6 A
ALL	2.3 A



Each contact individually shrouded for electrical and mechanical protection



- Individually shrouded contacts
- Locking clip option



RECOGNITIONS

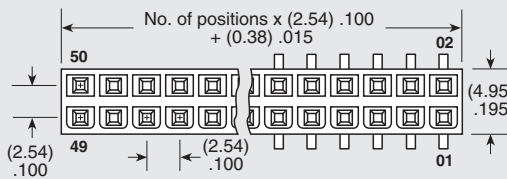
For complete scope of recognitions see www.samtec.com/quality



ALSO AVAILABLE (MOQ Required)

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

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



Through-hole

Surface Mount

