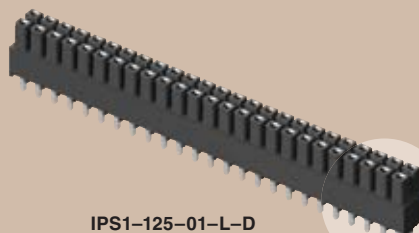


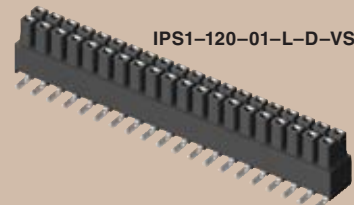


(2,54 mm) .100"

IPS1 SERIES



IPS1-125-01-L-D



IPS1-120-01-L-D-VS

# SHROUDED POWER CONNECTOR SET

## SPECIFICATIONS

For complete specifications see [www.samtec.com?IPS1](http://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:

550 VAC/777 VDC

### RoHS Compliant:

Yes

### Processing:

Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

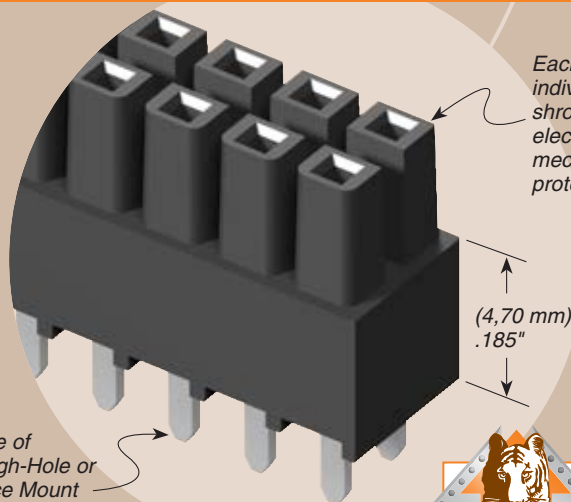
(0,13 mm) .005" max (05-10)

(0,15 mm) .006" max (15-25)

Mates with:  
IPT1



| CURRENT RATING<br>(PER CONTACT) |           |
|---------------------------------|-----------|
| AMBIENT<br>TEMP                 | IPT1/IPS1 |
| 20°C                            | 9.0A      |
| 40°C                            | 8.1A      |
| 60°C                            | 7.1A      |
| 95°C                            | 4.8A      |
| 4 POSITIONS (2x2)               |           |

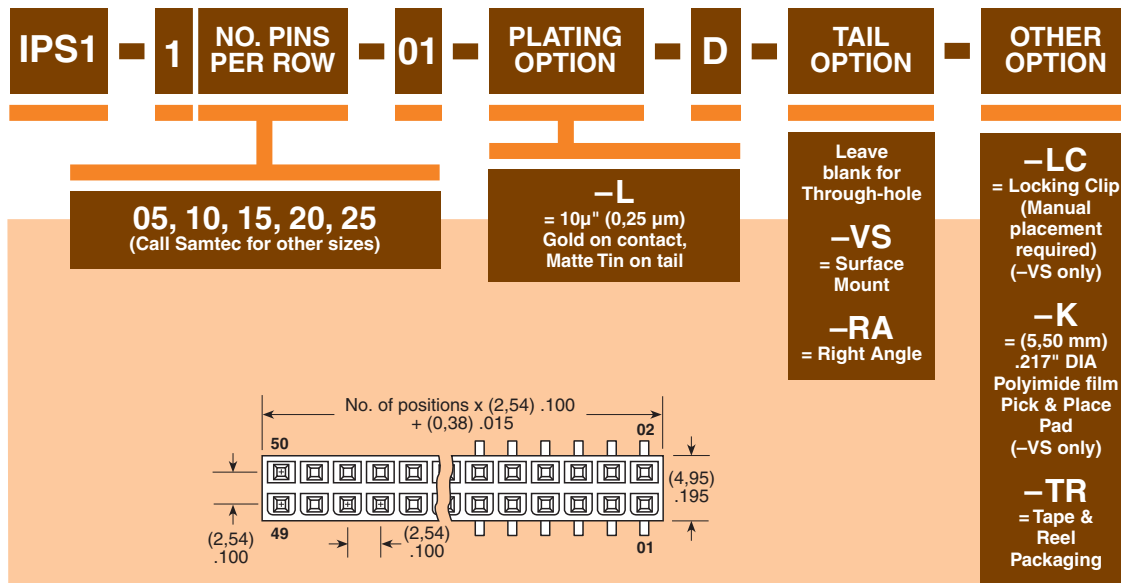


Each contact  
individually  
shrouded for  
electrical and  
mechanical  
protection

Choice of  
Through-Hole or  
Surface Mount



- Individually shrouded contacts
- Locking clip option



## APPLICATION SPECIFIC OPTION

Latching feature and No. 1 position polarized available.  
Call Samtec.

**Note:** Other Gold plating options available.  
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](http://WWW.SAMTEC.COM)

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