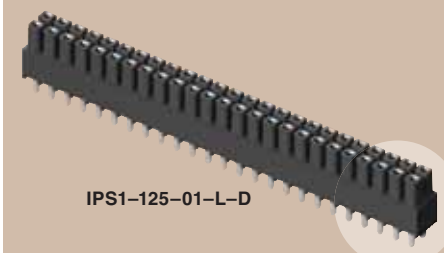
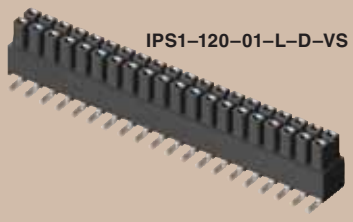
samtec

mini MATE®

(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:
550 VAC/777 VDC
RoHS Compliant:
Yes

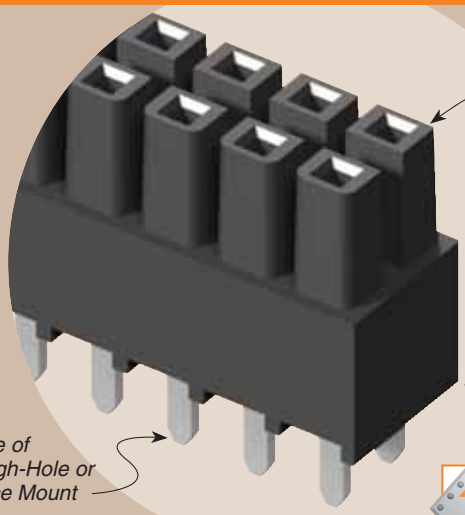
Processing:

Lead–Free Solderable:
Yes
SMT Lead Coplanarity:
(0,13 mm) .005" max (05-10)
(0,15 mm) .006" max (15-25)

Mates with:
IPT1

TIGER BUY CONTACT™

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

RECOGNITIONS

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

FILE NO. E111594

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.

IPS1	–	1	NO. PINS PER ROW	–	01	–	PLATING OPTION	–	D	–	TAIL OPTION	–	OTHER OPTION

05, 10, 15, 20, 25
(Standard sizes)

–L
= 10µ" (0,25 µm) Gold on contact, Matte Tin on tail

Leave blank for Through-hole

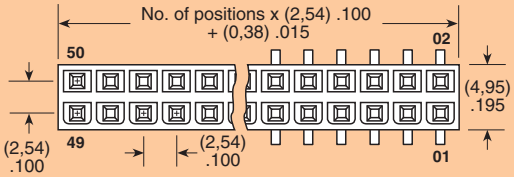
–VS
= Surface Mount

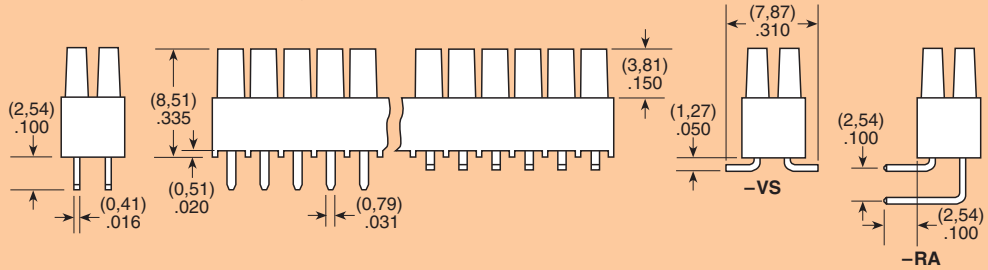
–RA
= Right Angle

–LC
= Locking Clip (Manual placement required) (–VS only)

–K
= (5,50 mm) .217" DIA Polyimide film Pick & Place Pad (–VS only)

–TR
= Tape & Reel Packaging (–VS only)





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

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