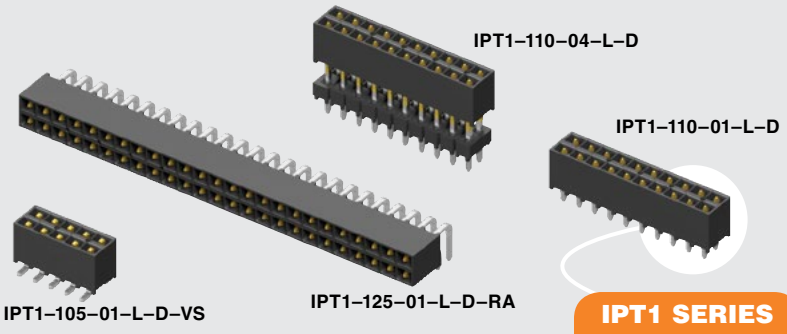
samtec

miniMATE®

(2.54 mm) .100"



IPT1 SERIES

SHROUDED POWER CONNECTOR SET

SPECIFICATIONS

For complete specifications see www.samtec.com?IPT1

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: (2.49 mm) .098" (without -LC) (1.28 mm) .050" (with -LC)
Standard Clearance: (1.91 mm) .075" (without -LC) (0.91 mm) .036" (with -LC)
RoHS Compliant: Yes

IPT1/IPS1	
PINS	CURRENT RATING (PER CONTACT)
1	5.9 A
2	4.8 A
3	4.1 A
4	3.6 A
50	2.3 A

PROCESSING

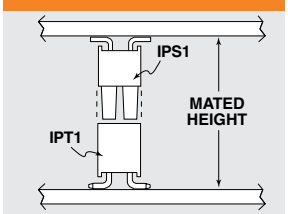
Lead-Free Solderable: Yes
SMT Lead Coplanarity: (0.13 mm) .005" max (05-10) (0.15 mm) .006" max (15-25)

RECOGNITIONS

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

FILE NO. E111594

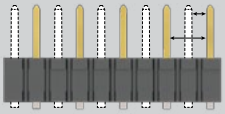
APPLICATION



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

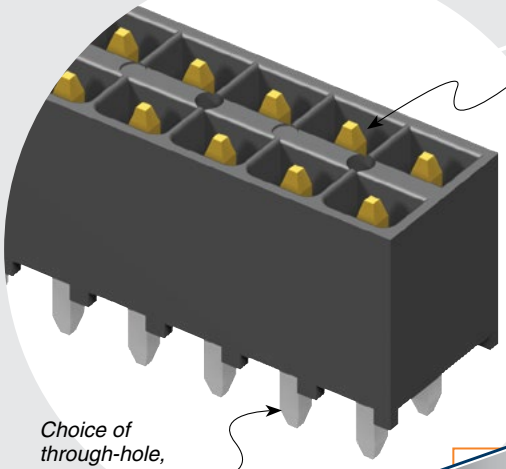
Mates with: IPS1

CREEPAGE AND CLEARANCE



Selectively loading contacts achieves customer specific creepage and clearance requirements.

Contact asp@samtec.com



RUGGEDIZED BY SAMTEC

- Individually shrouded contacts
- Locking clip option

IPT1	–	1	NO. PINS PER ROW	–	LEAD STYLE	–	PLATING OPTION	–	D	–	TAIL OPTION	–	OTHER OPTION

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

Specify LEAD STYLE from chart

–L = 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail

Requires –01 Lead Style (Leave blank for Through-hole)

–RA = Right-angle

–VS = Surface Mount

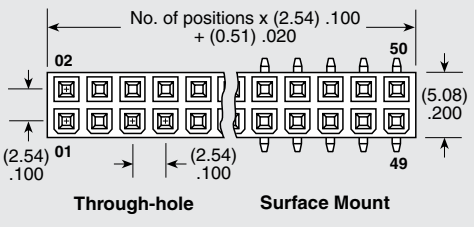
–A = Alignment Pin (–VS only) (N/A with -LC)

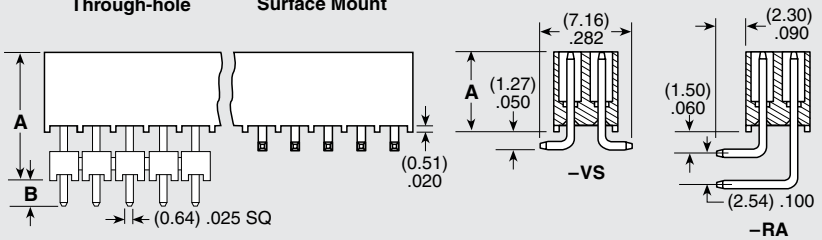
–LC = Locking Clip (Manual placement required) (–VS only) (N/A with -A)

–K = (6.00 mm) .236" DIA Polyimide film Pick & Place Pad (–VS only)

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

LEAD STYLE	MATED HEIGHT	A	B
–01	(11.05) .435	(6.35) .250	(2.16) .085
-01-VS	(13.59) .535	(6.35) .250	N/A
–02	(14.00) .551	(9.30) .366	(2.64) .104
–03	(16.00) .630	(11.30) .445	(2.16) .085
–04	(17.00) .669	(12.30) .484	(2.69) .106
–05	(19.00) .748	(14.30) .563	(2.46) .097
–06	(20.00) .787	(15.30) .602	(2.35) .093
–07	(25.00) .984	(20.30) .799	(2.31) .091
–08	(30.00) 1.181	(25.30) .996	(2.39) .094
–09	(35.00) 1.378	(30.30) 1.193	(2.46) .097





ALSO AVAILABLE (MOQ Required)

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

Contact Samtec.

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

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.