

(2.54 mm) .100"

IPT1-105-01-L-D-VS

IPT1-125-01-L-D-RA

IPT1-110-04-L-D

IPT1-110-01-L-D

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)

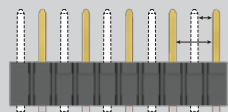
(0.91 mm) .036" (with -LC)

RoHS Compliant: Yes

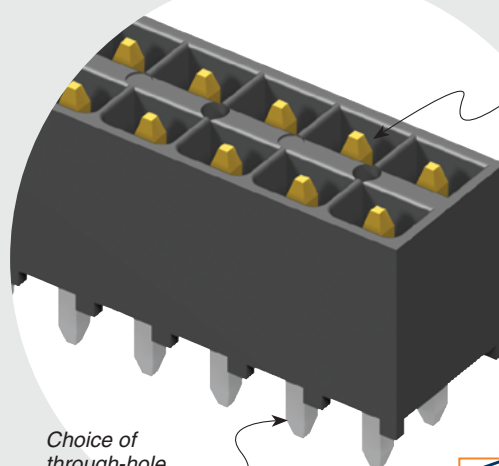
Mates with:

IPS1

CREEPAGE AND CLEARANCE



Selectively loading contacts achieves customer specific creepage and clearance requirements. Contact asp@samtec.com



Each pin individually shrouded for electrical and mechanical protection

(6.35 mm)
.250"

Choice of through-hole, right-angle or surface mount

RUGGEDIZED

BY SAMTEC

- Individually shrouded contacts
- Locking clip option

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

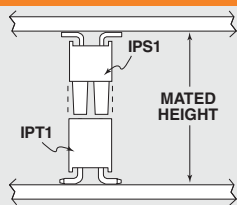
Lead-Free Solderable: Yes
SMT Lead Coplanarity:
(0.13 mm) .005" max (05-10)*
(0.15 mm) .006" max (15-25)*
*(.004" stencil solution may be available; contact IPG@samtec.com)

RECOGNITIONS

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



APPLICATION



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

IPT1 - **1** NO. PINS PER ROW

LEAD STYLE
Specify LEAD STYLE from chart

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

D - **TAIL OPTION**
Requires -01 Lead Style (Leave blank for Through-hole)

OTHER OPTION
-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)

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

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

-RA
= Right-angle
-VS
= Surface Mount

Through-hole

Surface Mount

-VS

-RA

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.