



(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 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:

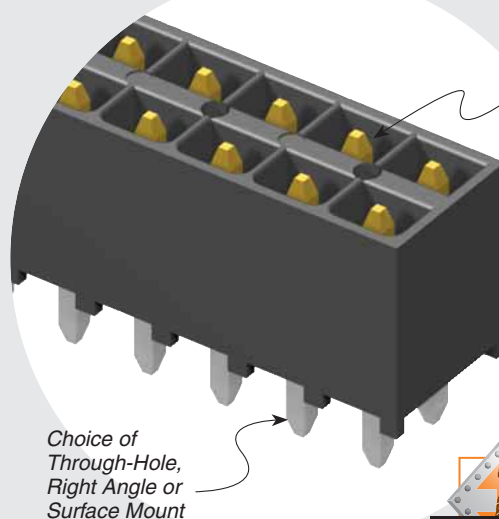
(0.13 mm) .005" max (05-10)

(0.15 mm) .006" max (15-25)

Mates with:

IPS1

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 pin individually shrouded for electrical and mechanical protection

(6.35 mm)
.250"

Choice of
Through-Hole,
Right Angle or
Surface Mount



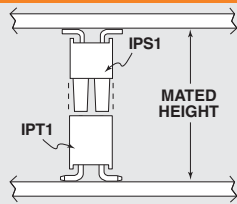
- Individually shrouded contacts
- Locking clip option

RECOGNITIONS

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



APPLICATION



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.

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

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

LEAD STYLE

Specify LEAD STYLE from chart

PLATING OPTION

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

D - **TAIL OPTION**

Requires -01 Lead Style (Leave blank for Through-Hole)

-RA
= Right Angle

-VS
= Surface Mount

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)

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

Through-hole **Surface Mount**

Through-hole dimensions: No. of positions x (2.54) .100 + (0.51) .020. Pin pitch: (2.54) .100. Mated height: (5.08) .200. Pin diameter: (0.64) .025 SQ.

Surface Mount dimensions: Pin pitch: (2.54) .100. Pin diameter: (0.64) .025 SQ. Pin height: (1.27) .050. Pin width: (0.51) .020. Pin spacing: (0.64) .025 SQ.

Right Angle (-RA) dimensions: Pin pitch: (2.54) .100. Pin height: (1.50) .060. Pin width: (2.30) .090.

Surface Mount (-VS) dimensions: Pin pitch: (2.54) .100. Pin height: (1.27) .050. Pin width: (0.51) .020.