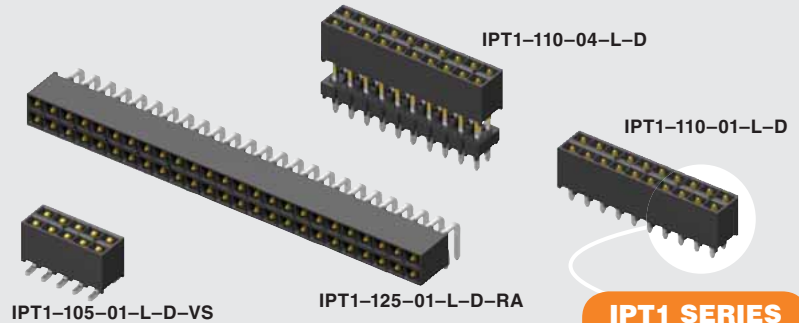




(2,54 mm) .100"



**IPT1 SERIES**

# SHROUDED POWER CONNECTOR SET

## SPECIFICATIONS

For complete specifications see [www.samtec.com?IPT1](http://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:**

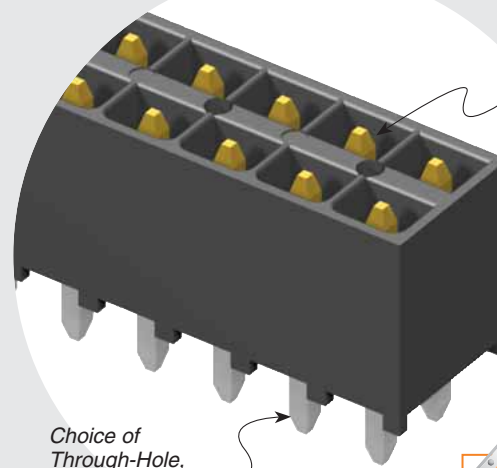
(0.13 mm) .005" max (05-10)

(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



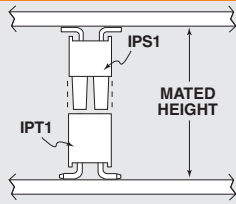
- Individually shrouded contacts
- Locking clip option

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://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) 1181	(25.30) 996	(2.39) 094
-09	(35.00) 1378	(30.30) 1193	(2.46) 097