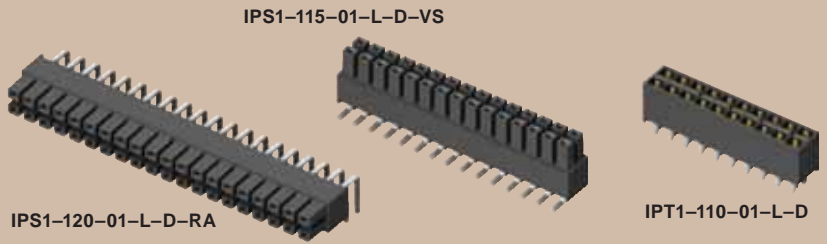




(2,54mm) .100"

IPT1, IPS1 SERIES



SHROUDED POWER CONNECTOR SET

SPECIFICATIONS

For complete specifications see www.samtec.com?IPT1 or www.samtec.com?IPS1

Insulator Material: Black LCP

Contact Material: Phosphor Bronze



Plating: Sn or Au over 50µ" (1,27µm) Ni

Operating Temp Range: -55°C to +105°C with Tin; -55°C to +125°C with Gold

Insertion Depth: (3,71mm) .146" to (6,48mm) .255"

Wiping Distance: (0,38mm) .015"

Insertion Force (SMT): 3.0oz (0,83N) avg.

Withdrawal Force (SMT): 2.6oz (0,72N) avg.

Insertion Force (T/H): 6.0oz (1,67N) avg.

Withdrawal Force (T/H): 5.0oz (1,39N) avg.

Voltage Rating: 550 VAC/777 VDC

RoHS Compliant: Yes

Current Rating: See table below

Wiping Distance: (0,38mm) .015"

Insertion Force (SMT): 3.0oz (0,83N) avg.

Withdrawal Force (SMT): 2.6oz (0,72N) avg.

Insertion Force (T/H): 6.0oz (1,67N) avg.

Withdrawal Force (T/H): 5.0oz (1,39N) avg.

Voltage Rating: 550 VAC/777 VDC

RoHS Compliant: Yes

Current Rating: See table below

Wiping Distance: (0,38mm) .015"

Insertion Force (SMT): 3.0oz (0,83N) avg.

Withdrawal Force (SMT): 2.6oz (0,72N) avg.

Insertion Force (T/H): 6.0oz (1,67N) avg.

Withdrawal Force (T/H): 5.0oz (1,39N) avg.

Voltage Rating: 550 VAC/777 VDC

RoHS Compliant: Yes

Current Rating: See table below

Wiping Distance: (0,38mm) .015"

Insertion Force (SMT): 3.0oz (0,83N) avg.

Withdrawal Force (SMT): 2.6oz (0,72N) avg.

Insertion Force (T/H): 6.0oz (1,67N) avg.

Withdrawal Force (T/H): 5.0oz (1,39N) avg.

Voltage Rating: 550 VAC/777 VDC

RoHS Compliant: Yes

Current Rating: See table below

Wiping Distance: (0,38mm) .015"

Insertion Force (SMT): 3.0oz (0,83N) avg.

Withdrawal Force (SMT): 2.6oz (0,72N) avg.

Insertion Force (T/H): 6.0oz (1,67N) avg.

Withdrawal Force (T/H): 5.0oz (1,39N) avg.

Voltage Rating: 550 VAC/777 VDC

RoHS Compliant: Yes

Current Rating: See table below

Wiping Distance: (0,38mm) .015"

Insertion Force (SMT): 3.0oz (0,83N) avg.

Withdrawal Force (SMT): 2.6oz (0,72N) avg.

Insertion Force (T/H): 6.0oz (1,67N) avg.

Withdrawal Force (T/H): 5.0oz (1,39N) avg.

Voltage Rating: 550 VAC/777 VDC

RoHS Compliant: Yes

Current Rating: See table below

Wiping Distance: (0,38mm) .015"

Insertion Force (SMT): 3.0oz (0,83N) avg.

Withdrawal Force (SMT): 2.6oz (0,72N) avg.

Insertion Force (T/H): 6.0oz (1,67N) avg.

Withdrawal Force (T/H): 5.0oz (1,39N) avg.

Voltage Rating: 550 VAC/777 VDC

RoHS Compliant: Yes

Current Rating: See table below

Wiping Distance: (0,38mm) .015"

Insertion Force (SMT): 3.0oz (0,83N) avg.

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

Mates with: **IPS1**

05, 10, 15, 20, 25 (Call Samtec for other sizes)

Specify **LEAD STYLE** from chart

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

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

-RA = Right Angle

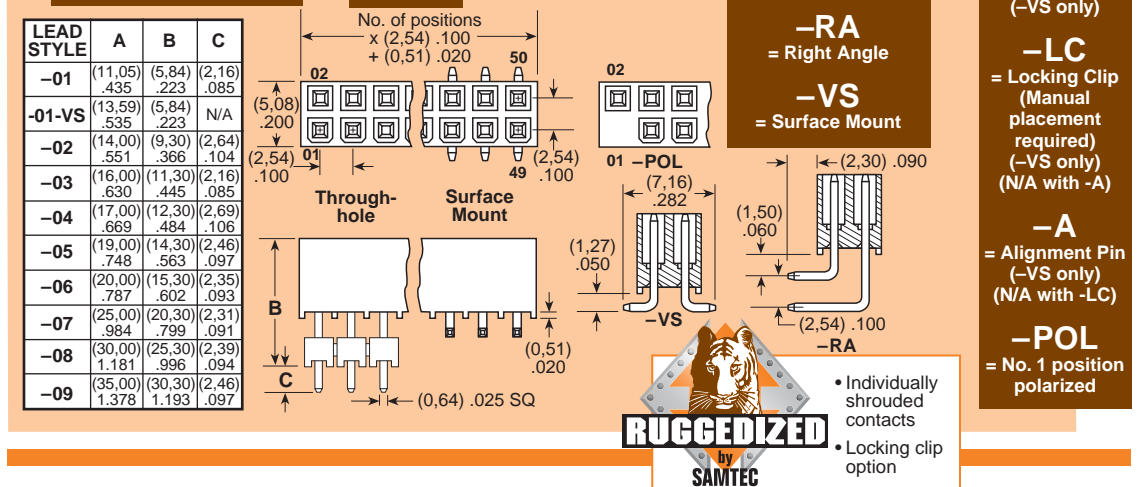
-VS = Surface Mount

-K = (6,00mm) .236" DIA Polyimide film Pick & Place Pad (-VS only)

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

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

-POL = No. 1 position polarized

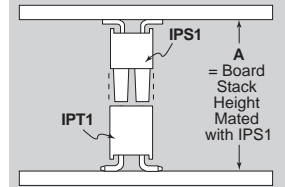


CURRENT RATING	
AMBIENT TEMP	IPT1/IPS1
20°C	8A
40°C	7.2A
60°C	6A
95°C	4.1A
6 POSITIONS (2x3)	

APPLICATION SPECIFIC OPTION

Latching feature available. Call Samtec.

APPLICATION



Processing:

Lead-Free Solderable: Yes

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

Note: Other Gold plating options available. 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** - **POL OPTION**

Mates with: **IPT1**

05, 10, 15, 20, 25 (Call Samtec for other sizes)

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

Leave blank for Through-hole

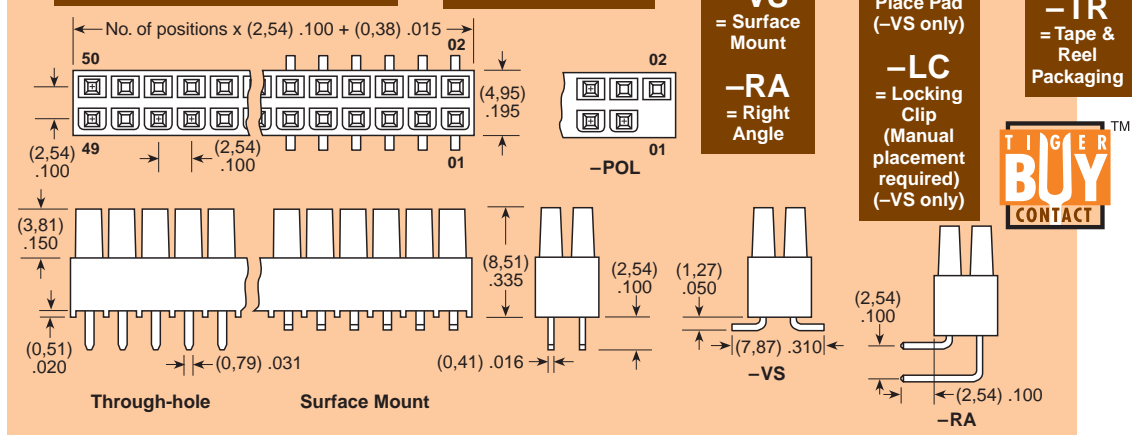
-VS = Surface Mount

-RA = Right Angle

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

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

-TR = Tape & Reel Packaging



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

WWW.SAMTEC.COM