

POWER CONNECTOR SET IPT1, IPS1 SERIES

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:** (2,79mm) .110" to (6,48mm) .255"
- Insertion Force (SMT):** (Single contact only) 3.0oz (0,83N) avg
- Withdrawal Force (SMT):** (Single contact only) 2.6oz (0,72N) avg
- Insertion Force (T/H):** (Single contact only) 6.0oz (1,67N) avg
- Withdrawal Force (T/H):** (Single contact only) 5.0oz (1,39N) avg
- Voltage Rating:** 550 VAC



AMBIENT TEMPERATURE	CURRENT RATING
20°C	7A
40°C	6A
60°C	4A
80°C	3A

IPT1 - 1 NO. PINS PER ROW - 01 - PLATING OPTION - D - TAIL OPTION - OTHER OPTION - POL OPTION

Mates with: IPS1

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

-S or -SM
= 30µ" (0,76µm) Gold on contact, Tin (-S) or Matte Tin (-SM) on Tail

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 (-VS only)
-A = Alignment Pin (-VS only)

-POL = No. 1 position polarized

No. of positions x (2,54) .100 + (0,51) .020

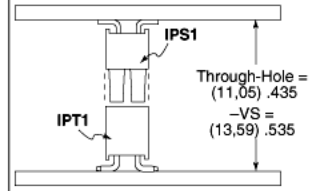
Through-Hole: (5,08) .200, (2,54) .100, (2,54) .100, (0,64) .025 SQ, (0,51) .020, (3,94) .155, (2,16) .085, (1,27) .050, (7,16) .282, (2,30) .090, (2,54) .100

Surface Mount: (2,54) .100, (0,51) .020, (3,94) .155, (2,16) .085, (1,27) .050, (7,16) .282, (2,30) .090, (2,54) .100

APPLICATION SPECIFIC OPTION

Latching feature available. Call Samtec.

APPLICATION



Processing:
Max Processing Temp: 230°C for 60 seconds, or 260°C for 20 seconds 3x with Matte Sn plating
Lead-Free Solderable: Wave, or reflow with Matte Sn
SMT Lead Coplanarity: (0,13mm) .005" max (05-10) (0,15mm) .006" max (15-25)

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)

-S or -SM
= 30µ" (0,76µm) Gold on contact, Tin (-S) or Matte Tin (-SM) 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 (-VS only)

-POL = No. 1 position polarized

No. of positions x (2,54) .100 + (0,38) .015

Through-Hole: (2,54) .100, (2,54) .100, (4,95) .195, (2,54) .100, (8,51) .335, (2,54) .100, (1,27) .050, (7,87) .310, (0,51) .020, (0,79) .031, (0,41) .016

Surface Mount: (2,54) .100, (4,95) .195, (2,54) .100, (8,51) .335, (2,54) .100, (1,27) .050, (7,87) .310, (0,51) .020, (0,79) .031, (0,41) .016



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

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