

# POWER CONNECTOR SET IPT1, IPS1 SERIES

## SPECIFICATIONS

For complete specifications see [www.samtec.com?IPT1](http://www.samtec.com?IPT1) or [www.samtec.com?IPS1](http://www.samtec.com?IPS1)

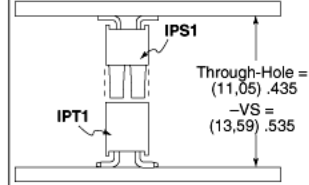
- Insulator Material:** Black LCP
- Contact Material:** Phosphor Bronze
- Plating:** Sn or Au over 50µ" (1,27µm) Ni
- Operating Temp Range:** -55°C to +105°C with Tin; -55°C to +125°C with Gold
- Insertion Depth:** (2,79mm) .110" to (6,48mm) .255"
- Insertion Force (SMT):** (Single contact only) 3.0oz (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

## 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.

**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

**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)

-TR = Tape & Reel Packaging

-POL = No. 1 position polarized

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

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