

MINI MATE® CONNECTOR SET IPT1, IPS1

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

RoHS Compliant: Yes

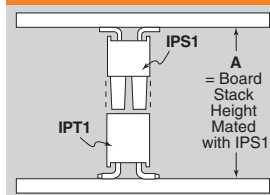
CURRENT RATING		
AMBIENT TEMP	IPT1/IPS1	
20°C	8A	
40°C	7.2A	
60°C	6A	
95°C	4.1A	

CURRENT RATING		
AMBIENT TEMP	IPT1/IPS1	
20°C	8A	
40°C	7.2A	
60°C	6A	
95°C	4.1A	

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
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.

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

-S = 30µ" (0,76µm) 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 (-VS only) (N/A with -A)
-A = Alignment Pin (-VS only) (N/A with -LC)
-POL = No. 1 position polarized

LEAD STYLE	A	B	C
-01	(11,05) .435	(5,84) .250	(2,16) .085
-01-VS	(13,59) .535	(5,84) .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



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 = 30µ" (0,76µm) 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 (-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.

WWW.SAMTEC.COM