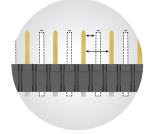


ISOLATED POWER SYSTEMS

FEATURES & BENEFITS

- Individually shrouded contacts for electrical and mechanical protection
- .100" (2.54 mm) and .165" (4.19 mm) pitch
- Surface mount or through-hole
- Vertical and right-angle for parallel, perpendicular and coplanar applications
- · Locking clip, key polarization and guide post options
- Wire to board assemblies with 16-30 AWG PVC or Teflon™ fluoropolymer wire.
- Metal or plastic rugged latching system

*Teflon $^{\mathtt{m}}$ is a trademark of The Chemours Company FC, LLC used under license by Samtec



Selectively loading contacts achieves customer specific creepage and clearance requrements.



Flexible standard or high-power stacking systems with Power Eye three-finger BeCu contacts for reliable connection. For available series, visit samtec.com/flexiblestrips

CREEPAGE & CLEARANCE

	CREEPAGE	CLEARANCE	
IPT1/IPS1 MMSS(T)/MMSD(T)/IPL1	2.54 mm	1.91 mm	
IPBT/IPBS PMSS(T)/PMSD(T)	4.27 mm	3.05 mm	

Selectively loading contacts achieves customer specific creepage and clearance requirements.

KEY SPECIFICATIONS

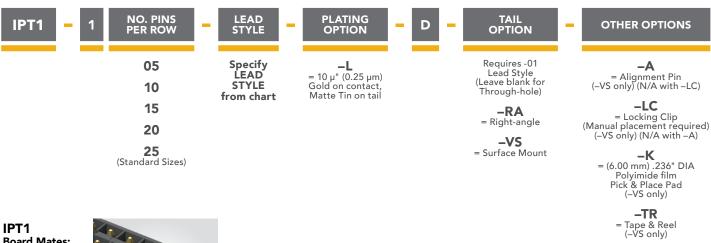
SERIES	PITCH	INSULATOR MATERIAL	CONTACT MATERIAL	PLATING	OPERATING TEMP RANGE	CURRENT RATING	VOLTAGE RATING	LEAD-FREE SOLDERABLE
IPT1/IPS1	.100" (2.54 mm)	Black LCP	Phosphor Bronze	Sn or Au over 50 µ" (1.27 µm) Nickel	-55 °C to +125 °C	5.9 A (2 pins powerd)	700 VAC/ 990 VDC	Yes
IPBT/IPBS	.165" (4.19 mm)	Black LCP	High Copper Alloy (IPBT) Phospher Bronze (IPBS)	Sn over 50 μ" (1.27 μm) Nickel	-55 °C to +105 °C	9.3 A (2 pins powerd)	400 VAC/ 566 VDC	Yes







(2.54 mm) .100" PITCH • SHROUDED POWER CONNECTOR SET



Board Mates:

PINS 2

6

8

IPT1/IPS1

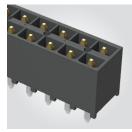
CURRENT RATING (PER CONTACT)

5.9 A 4.8 A

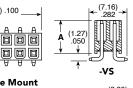
4.1 A

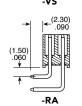
3.6 A

2.3 A



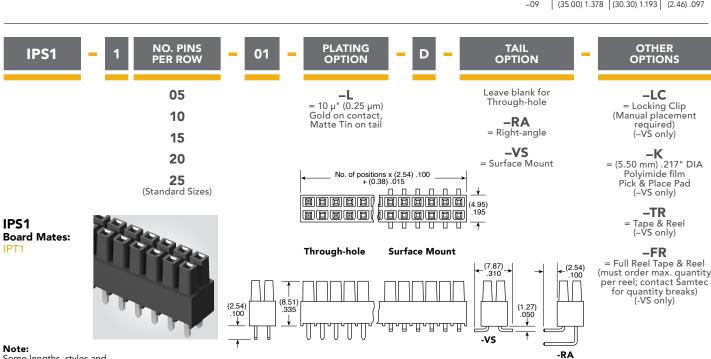
No. of positive (5.08) (5.08) (6.00) (7.00)	ions x (2.54) 0.51) .020 A A A A A A A A A A A A A A A A A A A
Through-hole	Surface





-FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (-VS only)
for quantity breaks)
(-vs only)

LEAD STYLE	MATED HEIGHT	A	В
-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) 1.181	(25.30) .996	(2.39) .094
-09	(35 00) 1 378	(30, 30) 1 193	(2 46) 097



Note:

Some lengths, styles and non-returnable.

View complete specifications at: samtec.com?IPT1 & samtec.com?IPS1