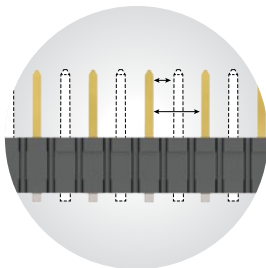


ISOLATED POWER SYSTEMS

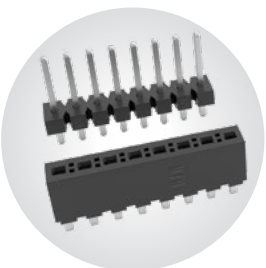
FEATURES & BENEFITS

- 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
- Discrete wire assemblies with 16-30 AWG PVC or Teflon™ fluoropolymer wire (see pages 243-245).
- Metal or plastic rugged latching system

*Teflon™ is a trademark of The Chemours Company FC, LLC used under license by Samtec



Selectively loading contacts achieves customer specific creepage and clearance requirements.



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)	2.54 mm	1.91 mm
IPBT/IPBS PMSS(T)/PMSD(T)	4.27 mm	3.05 mm

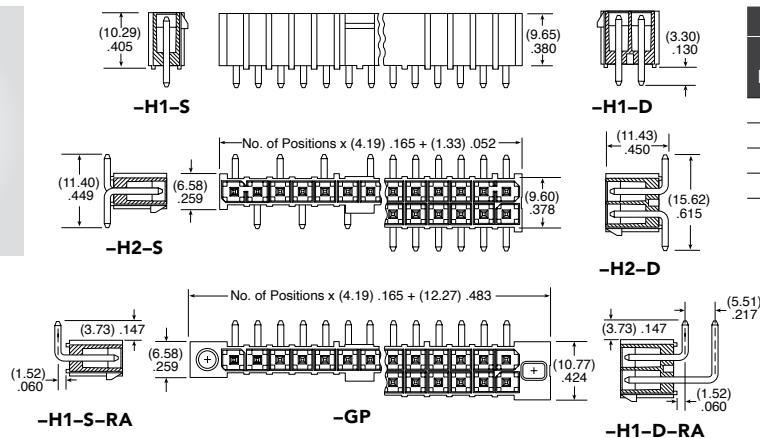
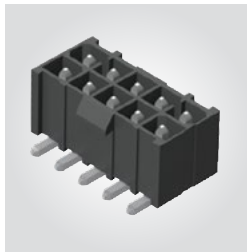
Selectively loading contacts achieves customer specific creepage and clearance requirements.

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 (1 pin power)	775 VAC	Yes
IPBT/IPBS	.165" (4.19 mm)	Black LCP	High Copper Alloy (IPBT) Phosphor Bronze (IPBS)	Sn over 50 μ" (1.27 μm) Nickel	-55 °C to +105 °C	10.3 A (2 pins power)	400 VAC	Yes

IPBT	1	NO. OF POSITIONS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	OPTIONS
		02, 03, 04, 05, 08, 10	-H1 = Through-hole	-T = Matte Tin	-S = Single Row	-RA = Right-angle (Lead Style -H1 only)
		15 (-D Only) (Standard Sizes)	-H2 = Surface Mount		-D = Double Row	-GP = Guide Post Holes (Not available with -K)
						-K = Keyed Polarization (Not available with -GP option, is required callout if -GP not called out)

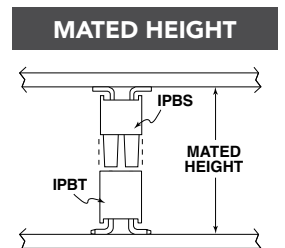
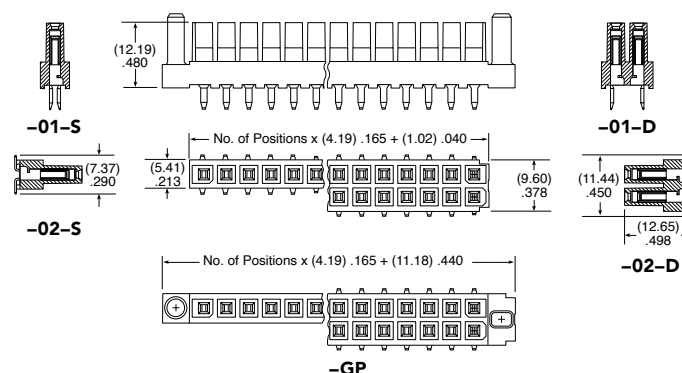
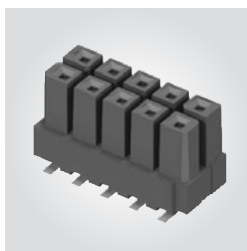
IPBT
Board Mates:
IPBS
Cable Mates:
PMSSD, PMSS



IPBT/IPBS	
PINS POWERED	CURRENT RATING (PER CONTACT)
2	10.3 A
4	8.4 A
6	7.6 A
8	7.1 A
30	6.0 A

IPBS	1	NO. OF POSITIONS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	OPTION
		02, 03, 04, 05, 08, 10	-01 = Standard Power	-T = Matte Tin	-S = Single Row	-GP = Guide Post
		15 (-D Only) (Standard Sizes)	-02 = Standard Power Surface Mount		-D = Double Row	

IPBS
Board Mates:
IPBT



IPBT/IPBS LEAD STYLE	MATED HEIGHT*
H1/-01	(15.25) .600
-H2/-02	(16.84) .663

*Processing conditions will affect mated height.

Note:
Some lengths, styles and options are non-standard, non-returnable.

View complete specifications at: samtec.com?IPBT & samtec.com?IPBS

Mouser Electronics

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Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Samtec:](#)

[IPBT-112-H1-T-D-RA-GP](#) [IPBT-115-H1-T-D-RA-GP](#) [IPBT-104-H2-T-S-K](#) [IPBT-110-H1-T-D-K](#) [IPBT-103-H2-T-D-K](#)
[IPBT-110-H2-T-D-GP](#) [IPBT-103-H2-T-S-K](#) [IPBT-105-H1-T-D-K](#) [IPBT-103-H1-T-D-GP](#) [IPBT-108-H2-T-D-K](#) [IPBT-110-](#)
[H1-T-D-RA-K](#) [IPBT-105-H1-T-S-K](#) [IPBT-105-H2-T-D-K](#) [IPBT-110-H2-T-D-K](#) [IPBT-115-H1-T-D-RA-K](#) [IPBT-108-H1-T-](#)
[D-K](#) [IPBT-105-H2-T-D-GP](#) [IPBT-104-H2-T-D-K](#) [IPBT-102-H1-T-D-RA-K](#) [IPBT-103-H1-T-S-RA-GP](#) [IPBT-103-H1-T-D-](#)
[RA-GP](#) [IPBT-115-H1-T-D-K](#) [IPBT-102-H1-T-D-RA-GP](#) [IPBT-102-H1-T-S-RA-K](#) [IPBT-104-H1-T-S-K](#) [IPBT-105-H1-T-](#)
[D-GP](#) [IPBT-108-H1-T-S-RA-K](#) [IPBT-105-H1-T-S-RA-K](#) [IPBT-108-H1-T-D-RA-K](#) [IPBT-103-H1-T-S-K](#) [IPBT-110-H1-T-](#)
[D-RA-GP](#) [IPBT-103-H1-T-S-RA-K](#) [IPBT-103-H1-T-D-RA-K](#) [IPBT-108-H1-T-D-RA-GP](#) [IPBT-105-H1-T-D-RA-K](#) [IPBT-](#)
[102-H1-T-S-K](#) [IPBT-110-H1-T-D-GP](#) [IPBT-102-H2-T-S-K](#) [IPBT-102-H1-T-D-K](#) [IPBT-103-H1-T-D-K](#) [IPBT-104-H1-T-D-](#)
[K](#) [IPBT-110-H5-T-D-GP](#) [IPBT-102-H1-T-D-GP](#) [IPBT-104-H1-T-D-RA-GP](#) [IPBT-102-H2-T-D-K](#) [IPBT-104-H1-T-S-RA-K](#)
[IPBT-104-H1-T-D-RA-K](#) [IPBT-105-H1-T-D-RA-GP](#) [IPBT-102-H6-T-D-GP](#) [IPBT-102-H2-TM-D-K](#) [IPBT-108-H1-TM-D-](#)
[RA-K](#) [IPBT-112-H1-T-D-K](#) [IPBT-112-H1-T-D-RA-K](#) [IPBT-102-H2-T-S-GP](#) [IPBT-103-H4-T-D-GP](#) [IPBT-105-H2-TM-D-K](#)
[IPBT-107-H1-T-D-GP](#) [IPBT-104-H2-T-D-GP](#) [IPBT-114-H1-T-D-RA-GP](#) [IPBT-114-H1-T-D-GP](#) [IPBT-108-H1-T-D-GP](#)
[IPBT-109-H1-T-D-GP](#) [IPBT-115-H1-T-D-GP](#) [IPBT-112-H1-T-D-GP](#) [IPBT-106-H1-T-D-GP](#) [IPBT-115-H2-T-D-GP](#) [IPBT-](#)
[106-H1-T-D-RA-GP](#) [IPBT-106-H2-T-D-GP](#) [IPBT-109-H2-T-D-GP](#) [IPBT-113-H1-T-D-GP](#) [IPBT-104-H1-TM-D-GP](#) [IPBT-](#)
[110-H1-TM-D-GP](#) [IPBT-112-H2-TM-D-GP](#) [IPBT-102-H2-T-D-GP](#) [IPBT-104-H1-T-D-GP](#) [IPBT-111-H1-T-D-GP](#) [IPBT-](#)
[107-H1-T-D-RA-GP](#) [IPBT-107-H2-T-D-GP](#) [IPBT-108-H2-T-D-GP](#) [IPBT-102-H1-TM-D-GP](#) [IPBT-110-H1-TM-D-RA-GP](#)
[IPBT-112-H2-T-D-GP](#) [IPBT-113-H1-T-D-RA-GP](#) [IPBT-115-H1-TM-D-GP](#) [IPBT-108-H1-T-S-GP](#) [IPBT-103-H2-TM-D-](#)
[GP](#) [IPBT-106-H2-TM-D-GP](#) [IPBT-108-H2-TM-D-GP](#) [IPBT-103-H2-T-D-GP](#) [IPBT-109-H1-T-D-RA-GP](#) [IPBT-114-H2-T-](#)
[D-GP](#) [IPBT-111-H1-T-D-RA-GP](#) [IPBT-111-H2-T-D-GP](#) [IPBT-107-H1-TM-D-GP](#) [IPBT-108-H1-T-S-RA-GP](#) [IPBT-115-](#)
[H6-T-D-GP](#) [IPBT-106-H1-T-S-RA-GP](#) [IPBT-109-H4-T-D-GP](#) [IPBT-110-H3-T-D-GP](#) [IPBT-104-H1-T-S-RA-GP](#)