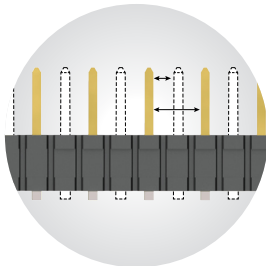


## ISOLATED POWER SYSTEMS

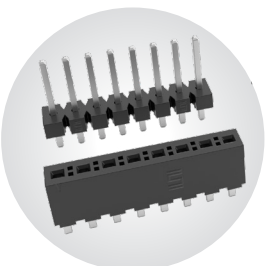
### FEATURES & BENEFITS

- 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.
- 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](http://samtec.com/flexiblestrips)

### CREEPAGE & CLEARANCE

|                                   | CREEPAGE | CLEARANCE |
|-----------------------------------|----------|-----------|
| IPT1/IP51<br>MMSS(T)/MMSD(T)/IPL1 | 2.54 mm  | 1.91 mm   |
| IPBT/IPBS<br>PMSS(T)/PMSD(T)      | 4.27 mm  | 3.05 mm   |

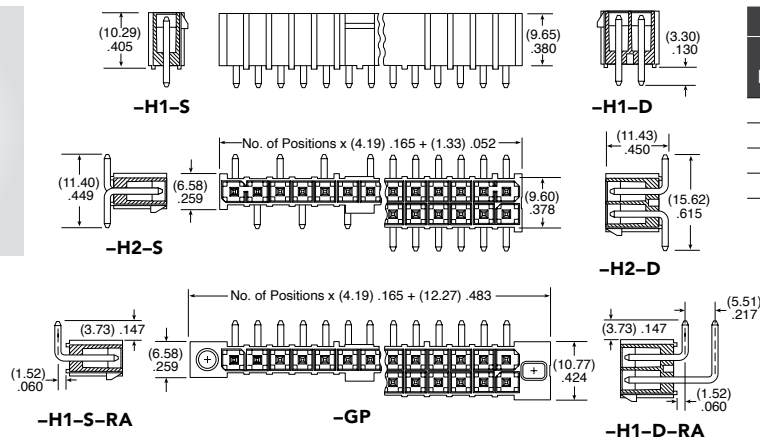
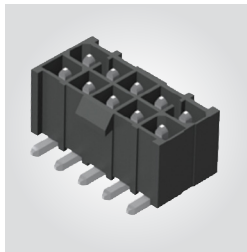
Selectively loading contacts achieves customer specific creepage and clearance requirements.

### KEY SPECIFICATIONS

| SERIES    | PITCH           | INSULATOR MATERIAL | CONTACT MATERIAL                                | PLATING                              | OPERATING TEMP RANGE | CURRENT RATING       | VOLTAGE RATING   | LEAD-FREE SOLDERABLE |
|-----------|-----------------|--------------------|-------------------------------------------------|--------------------------------------|----------------------|----------------------|------------------|----------------------|
| IPT1/IP51 | .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 power) | 700 VAC/ 990 VDC | 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    | 9.3 A (2 pins power) | 400 VAC/ 566 VDC | Yes                  |

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

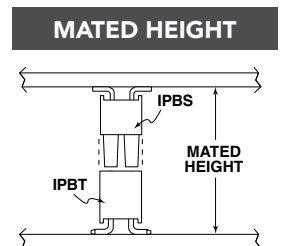
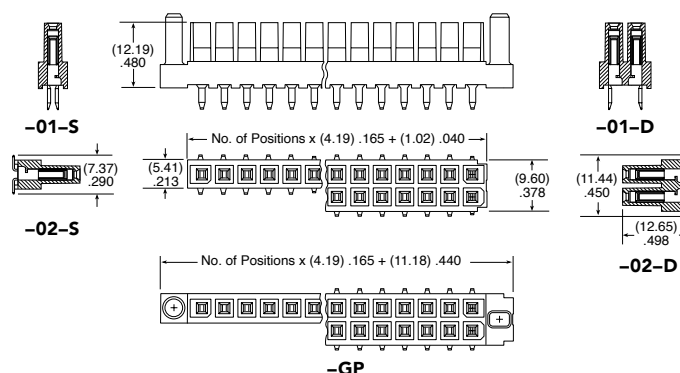
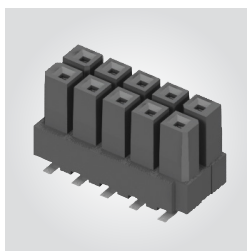
**IPBT**  
Board Mates:  
IPBS  
Cable Mates:  
PMSSD, PMSS



| IPBT/IPBS    |                              |
|--------------|------------------------------|
| PINS POWERED | CURRENT RATING (PER CONTACT) |
| 2            | 9.3 A                        |
| 4            | 7.4 A                        |
| 6            | 6.4 A                        |
| 8            | 5.9 A                        |
| 30           | 4.4 A                        |

| IPBS | 1 | NO. OF POSITIONS PER ROW            | LEAD STYLE                            | PLATING OPTION    | ROW OPTION         | OPTION              |
|------|---|-------------------------------------|---------------------------------------|-------------------|--------------------|---------------------|
|      |   | 02, 03, 04, 05, 08, 10              | -01<br>= Standard Power               | -T<br>= Matte Tin | -S<br>= Single Row | -GP<br>= Guide Post |
|      |   | 15<br>(-D Only)<br>(Standard Sizes) | -02<br>= Standard Power Surface Mount |                   | -D<br>= 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](http://samtec.com?IPBT) & [samtec.com?IPBS](http://samtec.com?IPBS)