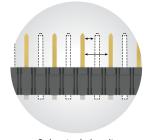


ISOLATED POWER SYSTEMS

#### **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 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)	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.

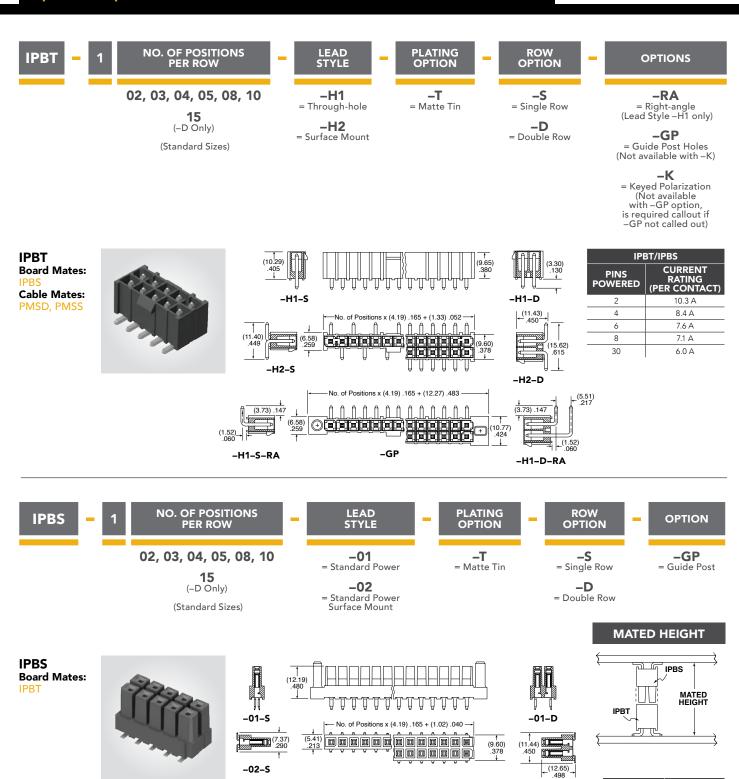
#### **KEY SPECIFICATIONS**

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 powerd)	775 VAC	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	10.3 A (2 pins powerd)	400 VAC	Yes

# **POWERMATE®**



## (4.19 mm) .165" PITCH • ISOLATED POWER CONNECTOR SET



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

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

No. of Positions x (4.19) .165 + (11.18) .440

-GP

-02-D

H1/-01

-H2/-02

\*Processing conditions

will affect mated height.

(15.25) .600

(16.84) .663