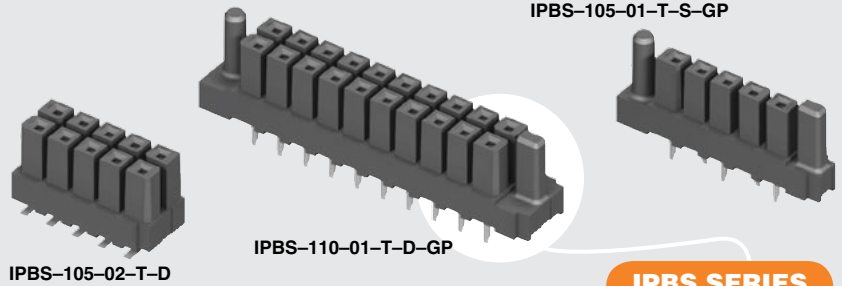




**POWERMATE®**

IPBS-105-01-T-S-GP



**(4.19 mm) .165"**

**IPBS SERIES**

# ISOLATED CONTACT POWER SOCKET

**SPECIFICATIONS**

For complete specifications see [www.samtec.com?IPBS](http://www.samtec.com?IPBS)

**Insulator Material:** Black Liquid Crystal Polymer

**Contact Material:** Phosphor Bronze

**Plating:** Sn over 50 μ" (1.27 μm) Ni

**Operating Temp Range:** -55 °C to +105 °C

**Insertion Depth:** (6.15 mm) .242" to (7.24 mm) .285"

**Wiping Distance:** (0.38 mm) .015" min.

**Voltage Rating:** 400 VAC/565 VDC

**Standard Creepage:** (4.27 mm) .168" (-S)  
(1.68 mm) .066" (-D)

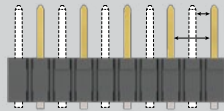
**Standard Clearance:** (2.16 mm) .085" (-S)  
(1.14 mm) .045" (-D)

**RoHS Compliant:** Yes

**Lead-Free Solderable:** Yes

**Mates with:** IPBT

**CREEPAGE AND CLEARANCE**



Selectively loading contacts achieves customer specific creepage and clearance requirements. Contact [asp@samtec.com](mailto:asp@samtec.com)

Individually shrouded contacts

Optional polarized guide posts

**RUGGEDIZED**  
BY SAMTEC

- Individually shrouded contacts
- Polarized guide post option

(4.19 mm) .165" pitch

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

**RECOGNITIONS**

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)

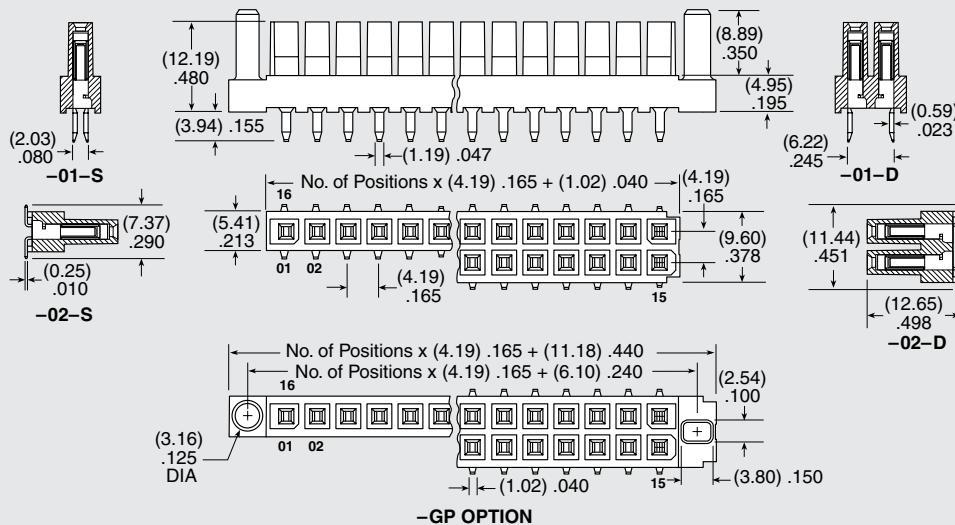


**ALSO AVAILABLE (MOQ Required)**

- Other sizes Contact Samtec.

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

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



Due to technical progress, all designs, specifications and components are subject to change without notice.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.