

# ISOLATED CONTACT POWER SOCKET

## SPECIFICATIONS

**Insulator Material:**  
Black Liquid Crystal Polymer  
**Contact Material:**  
Phosphor Bronze  
**Plating:**  
Sn over 50  $\mu$ " (1.27  $\mu$ m) 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

| 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                        |

Individually  
shrouded contacts

Optional  
polarized  
guide posts

**RUGGEDIZED**  
BY SAMTEC

- Individually shrouded contacts
- Polarized guide post option

(4.19 mm)  
.165"  
pitch

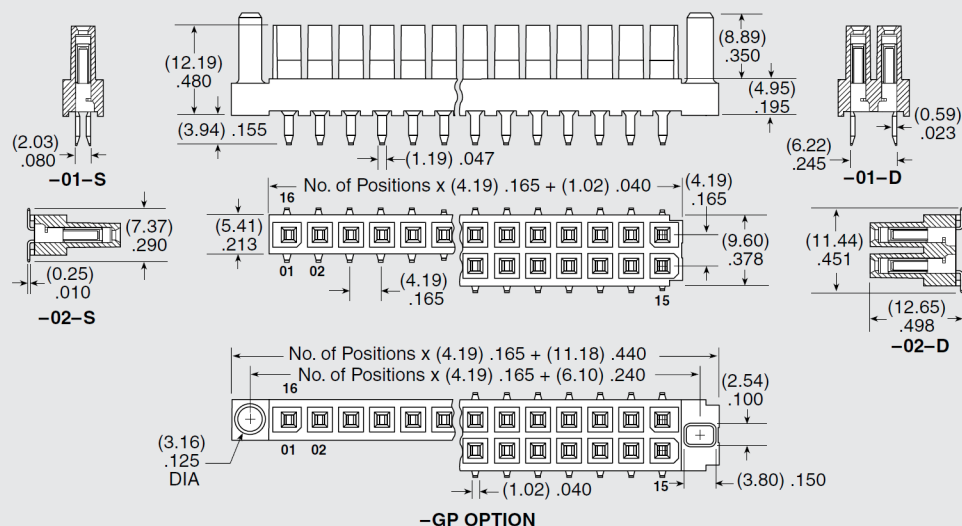
## RECOGNITIONS



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

## ALSO AVAILABLE (MOQ Required)

- Other sizes
  - Increased creepage and clearance with the removal of contacts
- Contact Samtec.



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