

FHP-17-01-T-S

FHP-12-02-T-S

**FHP SERIES**

**(3.96 mm) .156"**

# POWER SOCKETS

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?FHP](http://www.samtec.com?FHP)

**Insulator Material:**

Black LCP

**Contact Material:**

BeCu

**Plating:**

Sn over 50 μm (1.27 μm) Ni

**Operating Temp Range:**

-55 °C to +105 °C

**Voltage Rating:**

600 VAC/845 VDC

**Insertion Depth:**

(3.57 mm) .140" to

(8.76 mm) .345" or

pass-through from top

**Wiping Distance:**

(0.38 mm) .015"

**Standard Creepage:**

(1.74 mm) .069" (without -LC)

(0.89 mm) .035" (with -LC)

**Standard Clearance:**

(1.39 mm) .055" (without -LC)

(0.59 mm) .023" (with -LC)

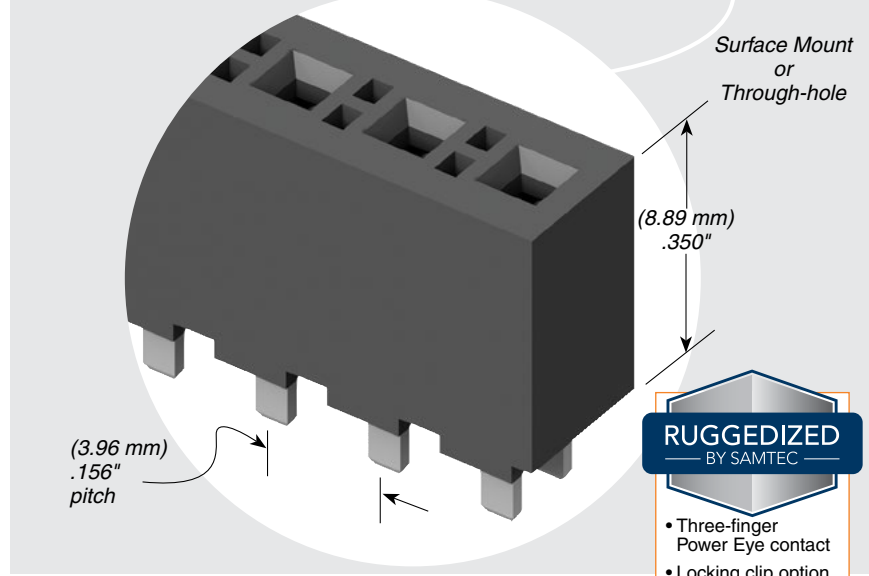
**RoHS Compliant:**

Yes

**Mates with:**

FWJ, HFWJ, JW

FHP/HFWJ	
PINS	CURRENT RATING (PER CONTACT)
1	13.1 A
2	11.2 A
3	10.3 A
4	9.2 A
24	6.7 A



**RUGGEDIZED**  
BY SAMTEC

- Three-finger Power Eye contact
- Locking clip option

## PROCESSING

**Lead-Free Solderable:**

Yes

**SMT Lead Coplanarity:**

(0.15 mm) .006" max\*

\*(.004" stencil solution may be available; contact

IPG@samtec.com)

## RECOGNITIONS

For complete scope of

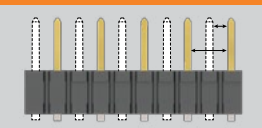
recognitions see

[www.samtec.com/quality](http://www.samtec.com/quality)



FILE NO. E111594

## CREEPAGE AND CLEARANCE



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

## ALSO AVAILABLE (MOQ Required)

- Alignment pins

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

**FHP**

**NO. OF PINS PER ROW**

**LEAD STYLE**

**PLATING OPTION**

**S**

**OTHER OPTION**

**02 thru 24**

**-01**  
= Through-hole

**-02**  
= Surface Mount

**-T**  
= Matte Tin

**-LC**  
= Locking Clip (Manual placement required) (-02 lead style only)

**-K**  
= (6.50 mm) .256" DIA Polyimide film Pick & Place Pad (2-4 positions require -TR) (-02 lead style only)

**-TR**  
= Tape & Reel Packaging (Available on positions 2-18) -02 lead style only

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