

(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  $\mu$ " (1.27  $\mu$ m) 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

## PROCESSING

### Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

(0.10 mm) .004" max

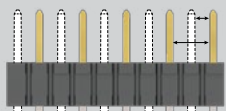
## RECOGNITIONS

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



FILE NO. E111594

## CREEPAGE AND CLEARANCE

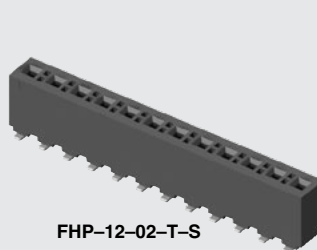


Selectively loading contacts achieves customer specific creepage and clearance requirements.  
Contact [asp@samtec.com](mailto:asp@samtec.com)

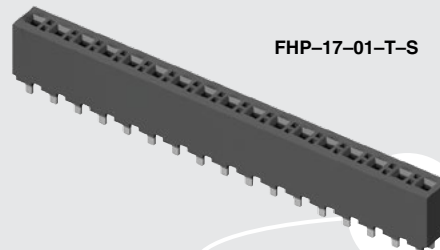
## ALSO AVAILABLE (MOQ Required)

- Alignment pins
- Contact Samtec.

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

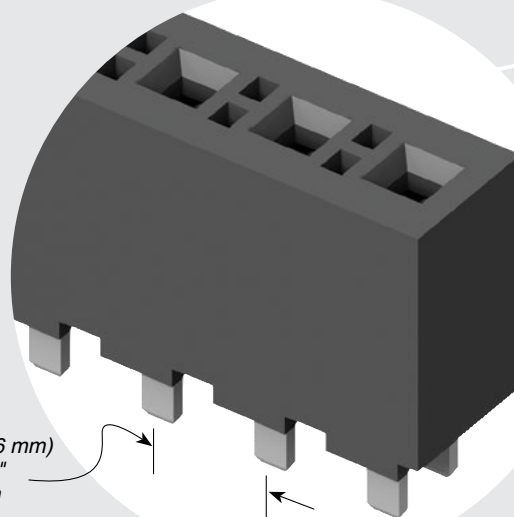


FHP-12-02-T-S



FHP-17-01-T-S

## FHP SERIES



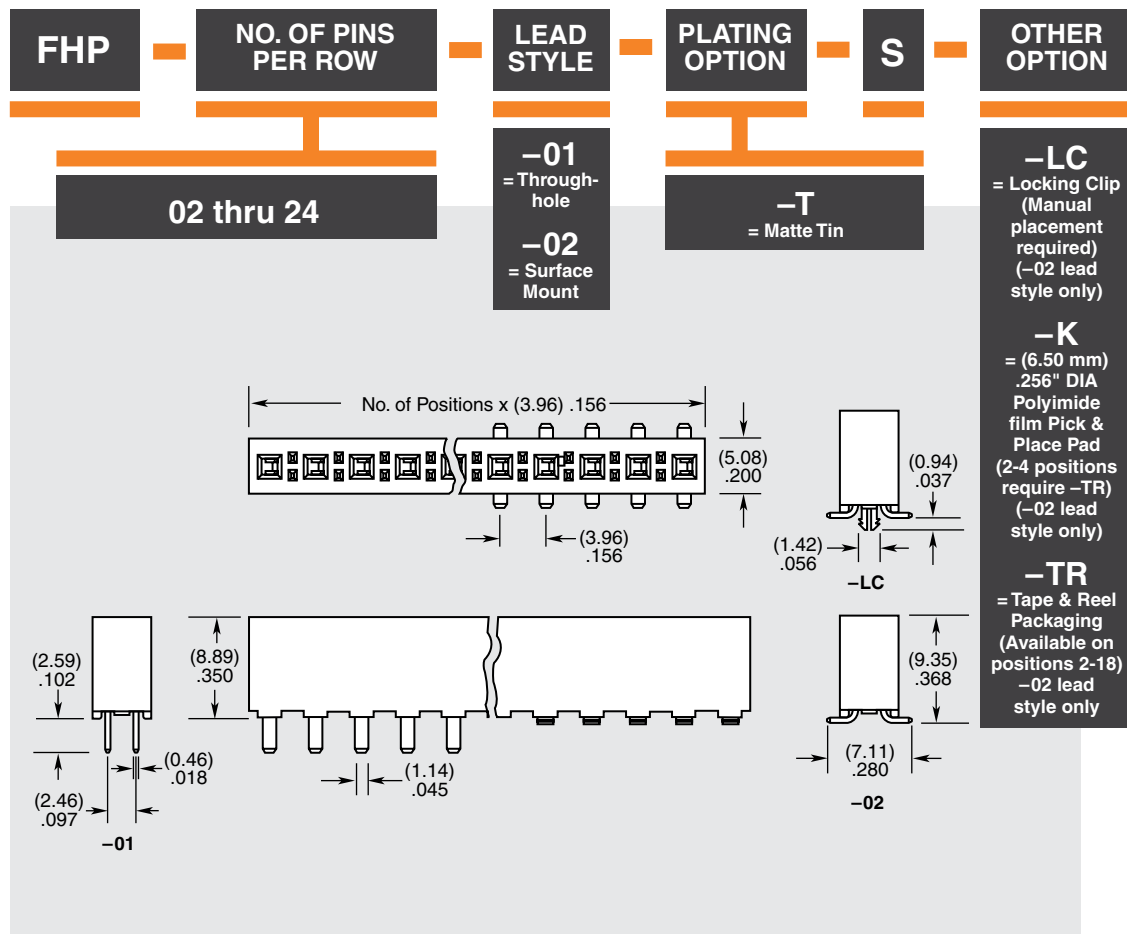
Surface Mount or Through-hole

(8.89 mm) .350"

(3.96 mm) .156" pitch

**RUGGEDIZED**  
BY SAMTEC

- Three-finger Power Eye contact
- Locking clip option



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.