

(3.96 mm) .156"

FHP SERIES

POWER SOCKETS

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?FHP

Insulator Material:

Black LCP

Contact Material:

BeCu

Plating:

Sn over 50 μ " (1.27 μ 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)

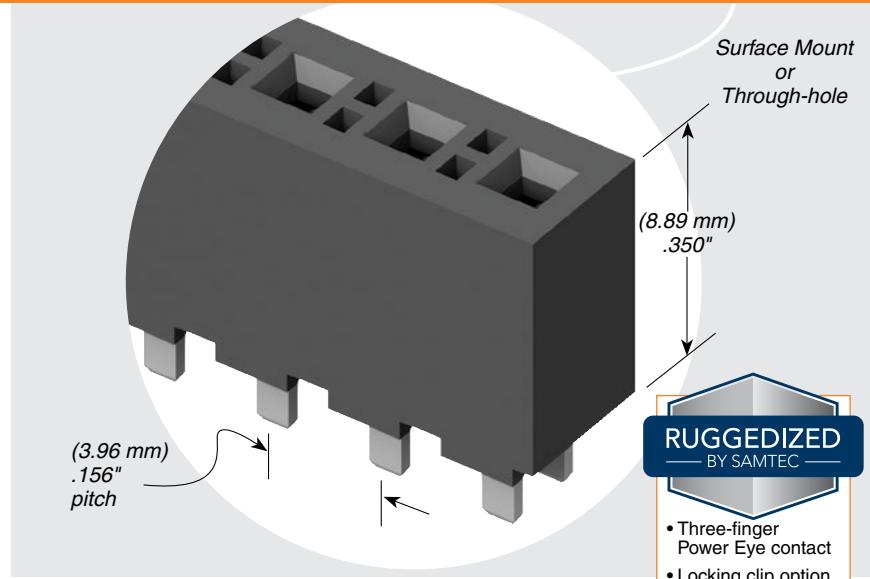
(0.59 mm) .023" (with -LC)

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

RUGGEDIZED
BY SAMTEC

- Three-finger Power Eye contact
- Locking clip option

PROCESSING

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0.10 mm) .004" max

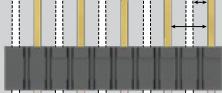
RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



FILE NO. E111594

CREEPAGE AND CLEARANCE



Selectively loading contacts achieves customer specific creepage and clearance requirements. Contact asp@samtec.com

NO. OF PINS PER ROW

02 thru 24

LEAD STYLE

- 01 = Through-hole
- 02 = Surface Mount

PLATING OPTION

- T = Matte Tin

OTHER OPTION

- 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

ALSO AVAILABLE (MOQ Required)

- Alignment pins
- Contact Samtec.

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

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

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.

