

(3,96 mm) .156"

FHP SERIES

# 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 50µ" (1.27 µm) Ni

**Insertion Depth:** (3,57 mm) .140" to (8,76 mm) .345" or pass-through from top

**Wiping Distance:** (0,38 mm) .015"

**Insertion Force:** (Single contact only) 56 oz (15,57 N) avg.

**Withdrawal Force:** (Single contact only) 52 oz (14,46 N) avg.

**RoHS Compliant:** Yes

**Processing:** Lead-Free Solderable: Yes

**SMT Lead Coplanarity:** (0,10 mm) .004" max

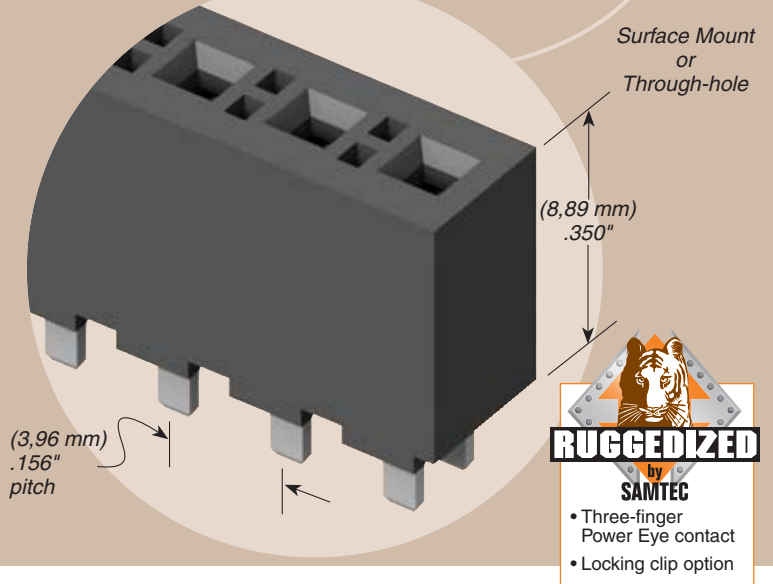
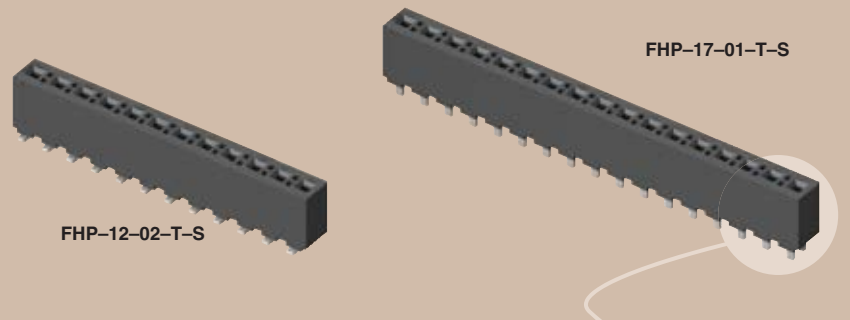


Mates with:  
FWJ, HFWJ,  
JW

**POWER EYE CONTACT**

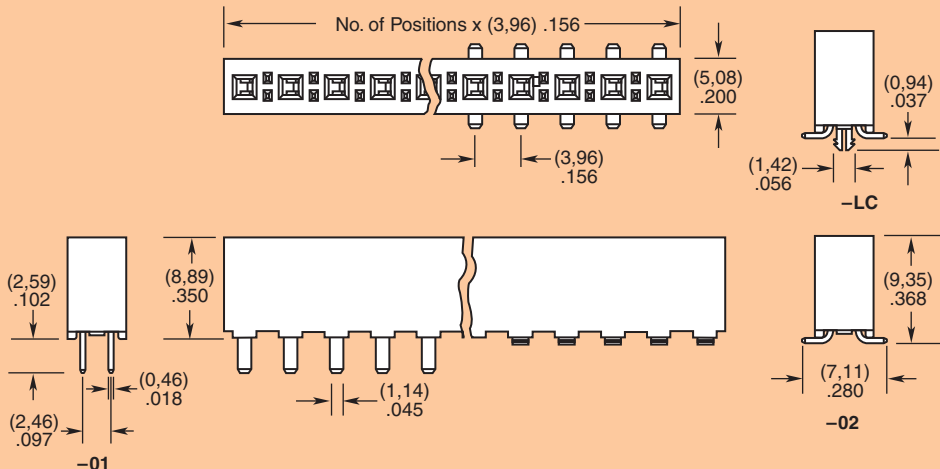
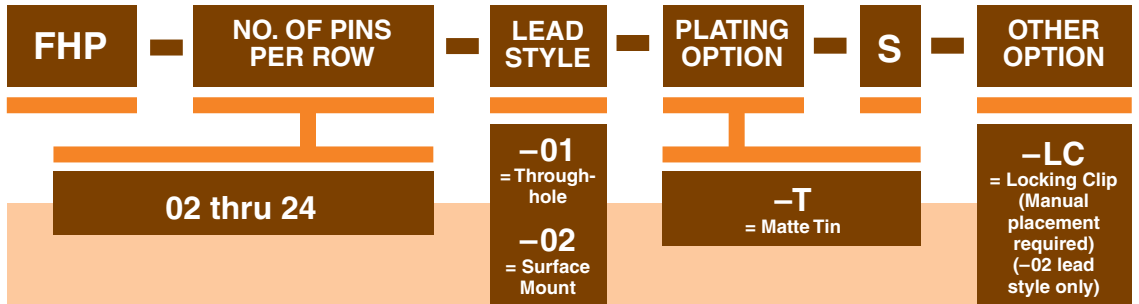


| AMBIENT TEMP | CURRENT RATING (PER CONTACT) |                 |
|--------------|------------------------------|-----------------|
|              | FHP/HFWJ 2 PINS              | FHP/HFWJ 4 PINS |
| 20°C         | 19.5A                        | 15.5A           |
| 40°C         | 17A                          | 14A             |
| 60°C         | 14A                          | 11.5A           |
| 75°C         | 11.2A                        | 9.2A            |



## APPLICATION SPECIFIC OPTION

Alignment pins available. Call 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.

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