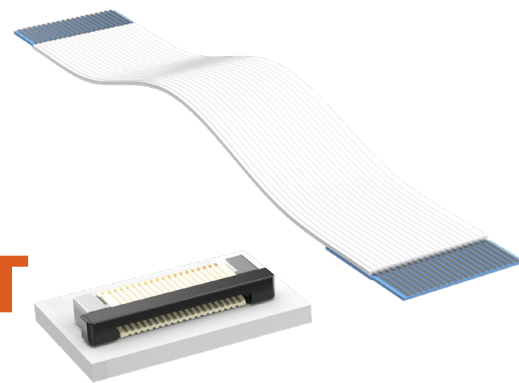


# FLAT FLEXIBLE CABLE (FFC) JUMPER & SOCKET

(0.50 mm) .0197" PITCH • FJH/ZF5S SERIES



## FJH

Mates:  
ZF5S

### SPECIFICATIONS

**Conductor:**  
Tin Plated Copper  
**Conductor Resistance:**  
1000  $\Omega$ /km max  
**Current Rating:**  
1.8 A per pin  
(1 pin powered)  
**Operating Temp Range:**  
-55 °C to +80 °C  
**Voltage Rating:**  
195 VAC

### OTHER SOLUTIONS

For 1.00 mm pitch flat flexible cable series, visit:  
[www.samtec.com?FJ](http://www.samtec.com?FJ)  
[www.samtec.com?ZF1](http://www.samtec.com?ZF1)  
[www.samtec.com?FC1](http://www.samtec.com?FC1)

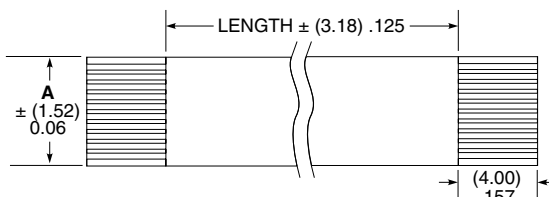
| FJH | NO. OF POSITIONS                                           | STYLE                                      | LENGTH                                                                                                                                                                  | STRIP LENGTH            |
|-----|------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
|     | -10, -15, -20, -25, -30, -40, -43, -50<br>(Standard sizes) | -D<br>= Double End<br>-R<br>= Reversed End | Length in inches<br>-03.00<br>= (76.2 mm) 3.00"<br>-06.00<br>= (152.4 mm) 6.00"<br>-12.00<br>= (304.8 mm) 12.00"<br>-24.00<br>= (609.6 mm) 24.00"<br>(Standard Lengths) | -4<br>= (4.00 mm) .157" |

| NO. OF POSITIONS | A            |
|------------------|--------------|
| -10              | (5.50) .217  |
| -15              | (8.00) .315  |
| -20              | (10.50) .413 |
| -25              | (13.00) .512 |
| -30              | (15.50) .610 |
| -40              | (20.50) .807 |
| -43              | (22.00) .866 |
| -50              | (25.50) 1.00 |

**Notes:**  
Stiffener color will be blue or black at Samtec's discretion.  
Some sizes, styles and options are non-standard, non-returnable.



-D STYLE

-R STYLE

## ZF5S

Mates:  
FJH

### SPECIFICATIONS

**Insulator Material:**  
Natural LCP  
**Contact Material:**  
Phosphor Bronze  
**Plating:**  
Sn over 50  $\mu$ " (1.27  $\mu$ m) Ni  
**Weld Tab:**  
Phosphor Bronze  
**Operating Temp Range:**  
-55 °C to +105 °C  
**Current Rating:**  
1.8 A per pin  
(1 pin powered)

### PROCESSING

**Lead-Free Solderable:**  
Yes  
**SMT Lead Coplanarity:**  
(0.10 mm) .004" max (10-30)  
(0.15 mm) .006" max (40-50)\*  
\*(.004" stencil solution may be available; contact [ipg@samtec.com](mailto:ipg@samtec.com))

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

| ZF5S | NO. OF POSITIONS                                           | LEAD STYLE              | PLATING OPTION    | WT                | OPTION                                                                                                                                                                                        |
|------|------------------------------------------------------------|-------------------------|-------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | -10, -15, -20, -25, -30, -40, -43, -50<br>(Standard sizes) | -01<br>= Contact Bottom | -T<br>= Matte Tin | -WT<br>= Weld Tab | -K<br>= (3.00 mm) .118" DIA Polyimide Film Pick & Place Pad<br>-TR<br>= Tape & Reel<br>-FR<br>= Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) |

**ALSO AVAILABLE**  
Contact Samtec

Vertical  
Contact top  
Other positions