

HIROSE FFC/FPC Connectors



HIROSE ELECTRIC CO., LTD.

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FH28 SERIES - 0.5MM PITCH FFC/FPC ZIF CONNECTORS

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Hirose Part No. | Fig. | No. of Contacts | Dimensions:mm | | | | Price Each | | |
|--------------------------------------|---------------------|------|-----------------|---------------|------|-------|-------|------------|------|------|
| | | | | A | B | C | D | 1 | 10 | 100 |
| Standard Type | | | | | | | | | | |
| 798-FH2840S05SH05 | FH28-40S-0.5SH(05) | A | 40 | 19.5 | 24.9 | 20.57 | 24.58 | 2.40 | 1.96 | 1.87 |
| 798-FH2850S05SH05 | FH28-50S-0.5SH(05) | A | 50 | 24.5 | 29.9 | 25.57 | 29.58 | 2.52 | 2.05 | 1.96 |
| 798-FH2855S05SH05 | FH28-55S-0.5SH(05) | A | 55 | 27 | 32.4 | 28.07 | 32.08 | 2.19 | 1.79 | 1.70 |
| 798-FH28-60S-0.5SH05 | FH28-60S-0.5SH(05) | A | 60 | 29.5 | 34.9 | 30.57 | 34.58 | 2.64 | 2.15 | 2.05 |
| Proturded Metal Fittings Type | | | | | | | | | | |
| 798-FH28E20S05SH05 | FH28E-20S-0.5SH(05) | A | 20 | 9.5 | 14.9 | 10.57 | 15.7 | 1.66 | 1.35 | 1.29 |
| 798-FH28E40S05SH05 | FH28E-40S-0.5SH(05) | A | 40 | 19.5 | 24.9 | 20.57 | 25.7 | 2.04 | 1.67 | 1.59 |
| 798-FH28E50S05SH05 | FH28E-50S-0.5SH(05) | A | 50 | 24.5 | 29.9 | 25.57 | 30.7 | 2.16 | 1.76 | 1.68 |
| 798-FH28E60S05SH05 | FH28E-60S-0.5SH(05) | A | 60 | 29.5 | 34.9 | 30.57 | 35.7 | 2.40 | 1.96 | 1.87 |
| 798-FH28E68S05SH05 | FH28E-68S-0.5SH(05) | A | 68 | 33.5 | 38.9 | 34.57 | 39.7 | 2.70 | 2.20 | 2.10 |
| Space Saving Type | | | | | | | | | | |
| 798-FH28H80S05SH05 | FH28H-80S-0.5SH(05) | A | 80 | 39.5 | 44.9 | 40.57 | 45.7 | 2.83 | 2.71 | 2.26 |

FH29 SERIES 0.2 MM PITCH METAL FITTINGS TYPE FPC CONNECTORS, HORIZONTAL

- Dual Contact
- Current: 250mA
- ZIF Structure
- Voltage: 40 V

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Hirose Part No. | Fig. | No. of Contacts | Dimensions: mm | | Price Each | | |
|-----------------------|------------------------|------|-----------------|----------------|------|------------|------|------|
| | | | | A | B | 1 | 10 | 100 |
| 798-FH29DJ50S02SHW99 | FH29DJ-50S-0.2SHW(99) | B | 50 | 11.82 | 9.6 | 4.23 | 4.06 | 3.38 |
| 798-FH29DJ80S02SHW99 | FH29DJ-80S-0.2SHW(99) | B | 80 | 17.82 | 15.6 | 5.16 | 4.96 | 4.13 |
| 798-FH29DJ100S02SHW99 | FH29DJ-100S-0.2SHW(99) | B | 100 | 21.82 | 19.6 | 6.01 | 5.78 | 4.81 |

FH35C SERIES 0.3MM PITCH BACK FLIP TYPE DUAL-SIDED FPC CONNECTORS

- Voltage Rating: 30VAC
- Halogen Free

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Hirose Part No. | Fig. | No. of Contacts | Dimensions: mm | | Price Each | | |
|----------------------|----------------------|------|-----------------|----------------|------|------------|------|------|
| | | | | A | B | 1 | 10 | 100 |
| 798-FH35C9S03SHW99 | FH35C-9S-0.3SHW(99) | C | 9 | 4.3 | 1.8 | 2.22 | 1.81 | 1.73 |
| 798-FH35C11S03SHW99 | FH35C-11S-0.3SHW(99) | C | 11 | 4.9 | 2.4 | 2.28 | 1.86 | 1.77 |
| 798-FH35C13S03SHW99 | FH35C-13S-0.3SHW(99) | C | 13 | 5.5 | 3 | 2.34 | 1.91 | 1.82 |
| 798-FH35C15S03SHW99 | FH35C-15S-0.3SHW(99) | C | 15 | 6.1 | 3.6 | 2.43 | 1.98 | 1.89 |
| 798-FH35C17S03SHW99 | FH35C-17S-0.3SHW(99) | C | 17 | 6.7 | 4.2 | 2.55 | 2.08 | 1.98 |
| 798-FH35C19S03SHW99 | FH35C-19S-0.3SHW(99) | C | 19 | 7.3 | 4.8 | 2.61 | 2.13 | 2.03 |
| 798-FH35C21S03SHW99 | FH35C-21S-0.3SHW(99) | C | 21 | 7.9 | 5.4 | 2.67 | 2.17 | 2.07 |
| 798-FH35C23S03SHW99 | FH35C-23S-0.3SHW(99) | C | 23 | 8.5 | 6 | 2.78 | 2.27 | 2.17 |
| 798-FH35C25S03SHW99 | FH35C-25S-0.3SHW(99) | C | 25 | 9.1 | 6.6 | 2.87 | 2.34 | 2.24 |
| 798-FH35C27S03SHW99 | FH35C-27S-0.3SHW(99) | C | 27 | 9.7 | 7.2 | 2.93 | 2.39 | 2.28 |
| 798-FH35C49S0.3SHW99 | FH35C-49S-0.3SHW(99) | C | 49 | 16.3 | 13.8 | 2.62 | 2.52 | 2.10 |
| 798-FH35C31S03SHW99 | FH35C-31S-0.3SHW(99) | C | 31 | 10.9 | 8.4 | 2.88 | 2.77 | 2.31 |
| 798-FH35C33S03SHW99 | FH35C-33S-0.3SHW(99) | C | 33 | 11.5 | 9 | 2.94 | 2.82 | 2.35 |
| 798-FH35C35S03SHW99 | FH35C-35S-0.3SHW(99) | C | 35 | 12.1 | 9.6 | 3.07 | 2.95 | 2.46 |
| 798-FH35C37S03SHW99 | FH35C-37S-0.3SHW(99) | C | 37 | 12.7 | 10.2 | 3.13 | 3.01 | 2.50 |
| 798-FH35C39S03SHW99 | FH35C-39S-0.3SHW(99) | C | 39 | 13.3 | 10.8 | 3.18 | 3.06 | 2.55 |
| 798-FH35C41S03SHW99 | FH35C-41S-0.3SHW(99) | C | 41 | 13.9 | 11.4 | 3.29 | 3.16 | 2.64 |
| 798-FH35C45S03SHW99 | FH35C-45S-0.3SHW(99) | C | 45 | 15.1 | 12.6 | 3.40 | 3.27 | 2.72 |
| 798-FH35C51S03SHW99 | FH35C-51S-0.3SHW(99) | C | 51 | 16.9 | 14.4 | 3.71 | 3.56 | 2.97 |

FH40 SERIES 0.5MM PITCH ABOVE THE BOARD/VERTICAL CONNECTORS FOR FPC

- Easy and smooth operation
- FPC/FFC side catcher
- Robust lock structure
- LIF structure
- Useable with horizontal FH28 via common FPC/FFC

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Hirose Part No. | Fig. | No. of Contacts | Dimensions: mm | | | Price Each | | |
|--------------------|-----------------|------|-----------------|----------------|------|------|------------|------|------|
| | | | | A | B | C | 1 | 10 | 100 |
| 798-FH40-10S-0.5SV | FH40-10S-0.5SV | D | 10 | 5.57 | 8.2 | 4.5 | 1.63 | 1.33 | 1.27 |
| 798-FH40-20S-0.5SV | FH40-20S-0.5SV | D | 20 | 10.57 | 13.2 | 9.5 | 2.04 | 1.67 | 1.59 |
| 798-FH40-24S-0.5SV | FH40-24S-0.5SV | D | 24 | 12.57 | 15.2 | 11.5 | 2.34 | 1.91 | 1.82 |
| 798-FH40-30S-0.5SV | FH40-30S-0.5SV | D | 30 | 15.57 | 18.2 | 14.5 | 2.61 | 2.13 | 2.03 |
| 798-FH40-40S-0.5SV | FH40-40S-0.5SV | D | 40 | 20.57 | 23.2 | 19.5 | 2.94 | 2.82 | 2.35 |
| 798-FH40-45S-0.5SV | FH40-45S-0.5SV | D | 45 | 23.07 | 25.7 | 22.0 | 3.18 | 3.06 | 2.55 |
| 798-FH40-50S-0.5SV | FH40-50S-0.5SV | D | 50 | 25.57 | 28.2 | 24.5 | 3.46 | 3.32 | 2.77 |
| 798-FH40-60S-0.5SV | FH40-60S-0.5SV | D | 60 | 30.57 | 33.2 | 29.5 | 4.14 | 3.98 | 3.32 |
| 798-FH40-64S-0.5SV | FH40-64S-0.5SV | D | 64 | 32.57 | 35.2 | 31.5 | 4.31 | 4.14 | 3.45 |

FH41 0.5MM PITCH CONNECTORS FOR SHIELDED FFC, HORIZONTAL

- Compatibility with impedance control, shield FFC
- High-speed transmission rates up to 3.75Gbps max.
- Flip-Lock rotating actuator assures reliable mechanical and electrical connection with FPC
- GND exclusive terminal
- Robust lock structure
- FFC positioning mechanisms for highly reliable connections
- Available for connection with impedance control, shield FFC

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Hirose Part No. | Fig. | No. of Contacts | Dimensions: mm | | Price Each | | |
|----------------------|--------------------|------|-----------------|----------------|------|------------|------|------|
| | | | | A | B | 1 | 10 | 100 |
| 798-FH41-28S-0.5SH05 | FH41-28S-0.5SH(05) | E | 28 | 18.0 | 13.5 | 2.64 | 2.15 | 2.05 |
| 798-FH41-30S-0.5SH05 | FH41-30S-0.5SH(05) | E | 30 | 19.0 | 14.5 | 2.87 | 2.34 | 2.24 |
| 798-FH41-31S-0.5SH05 | FH41-31S-0.5SH(05) | E | 31 | 19.5 | 15.0 | 2.85 | 2.74 | 2.28 |
| 798-FH41-40S-0.5SH05 | FH41-40S-0.5SH(05) | E | 40 | 24.0 | 19.5 | 2.77 | 2.66 | 2.22 |
| 798-FH41-50S-0.5SH05 | FH41-50S-0.5SH(05) | E | 50 | 29.0 | 24.5 | 2.97 | 2.82 | 2.37 |
| 798-FH41-68S-0.5SH05 | FH41-68S-0.5SH(05) | E | 68 | 38.0 | 33.5 | 3.49 | 3.35 | 2.79 |

FH52 SERIES - 0.5MM PITCH ROBUST FFC/FPC CONNECTORS

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Hirose Part No. | Fig. | No. of Contacts | Dimensions: mm | | Price Each | | |
|----------------------|--------------------|------|-----------------|----------------|------|------------|------|------|
| | | | | A | B | 1 | 10 | 100 |
| 798-FH528S0.5SH(99) | FH52-8S-0.5SH(99) | F | 8 | 6.3 | 1.5 | 2.73 | 2.22 | 2.12 |
| 798-FH5210S0.5SH(99) | FH52-10S-0.5SH(99) | F | 10 | 9.3 | 4.5 | 2.90 | 2.37 | 2.26 |
| 798-FH5211S0.5SH(99) | FH52-11S-0.5SH(99) | F | 11 | 9.8 | 5.0 | 2.77 | 2.66 | 2.22 |
| 798-FH5212S0.5SH(99) | FH52-12S-0.5SH(99) | F | 12 | 10.3 | 5.5 | 2.85 | 2.74 | 2.28 |
| 798-FH5215S0.5SH(99) | FH52-15S-0.5SH(99) | F | 15 | 11.8 | 7.0 | 3.10 | 2.98 | 2.48 |
| 798-FH5218S0.5SH(99) | FH52-18S-0.5SH(99) | F | 18 | 13.3 | 8.5 | 3.35 | 3.22 | 2.68 |
| 798-FH5225S0.5SH(99) | FH52-25S-0.5SH(99) | F | 25 | 16.8 | 12.0 | 3.93 | 3.77 | 3.14 |
| 798-FH5228S0.5SH(99) | FH52-28S-0.5SH(99) | F | 28 | 18.3 | 13.5 | 4.17 | 4.01 | 3.34 |
| 798-FH5232S0.5SH(99) | FH52-32S-0.5SH(99) | F | 32 | 20.3 | 15.5 | 4.50 | 4.32 | 3.60 |
| 798-FH5240S0.5SH(99) | FH52-40S-0.5SH(99) | F | 40 | 24.3 | 19.5 | 5.16 | 4.96 | 4.13 |
| 798-FH5250S0.5SH(99) | FH52-50S-0.5SH(99) | F | 50 | 29.3 | 24.5 | 5.99 | 5.75 | 4.79 |
| 798-FH5260S0.5SH(99) | FH52-60S-0.5SH(99) | F | 60 | 34.3 | 29.5 | 6.78 | 6.52 | 5.43 |

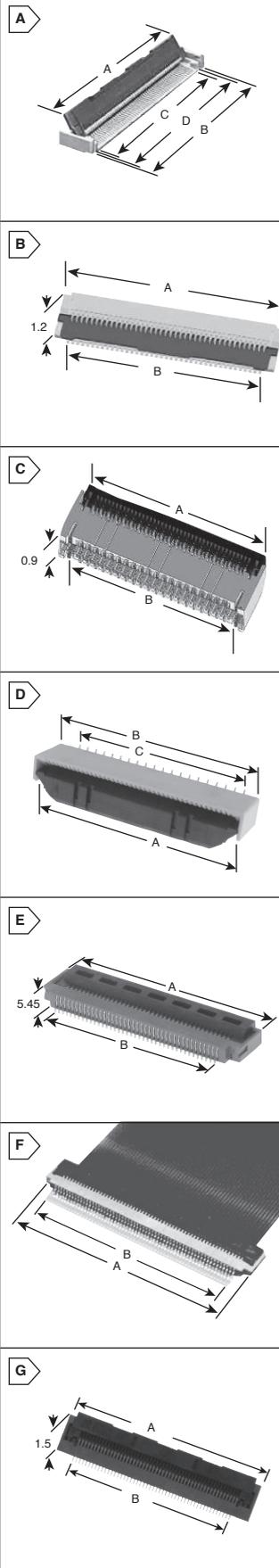
FH55 SERIES 0.5 MM PITCH HIGH SPEED TRANSMISSION FPC CONNECTORS, HORIZONTAL

- High-Speed Transmission(5+Gbps)
- Current: 500 mA
- ZIF Structure
- Voltage: 50 V

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Hirose Part No. | Fig. | No. of Contacts | Dimensions: mm | | Price Each | | |
|--------------------|-----------------|------|-----------------|----------------|------|------------|------|------|
| | | | | A | B | 1 | 10 | 100 |
| 798-FH55-22S-0.5SH | FH55-22S-0.5SH | G | 22 | 14.4 | 10.5 | 2.73 | 2.22 | 2.12 |
| 798-FH55-31S-0.5SH | FH55-31S-0.5SH | G | 31 | 18.9 | 15 | 2.77 | 2.66 | 2.22 |
| 798-FH55-40S-0.5SH | FH55-40S-0.5SH | G | 40 | 23.4 | 19.5 | 3.51 | 3.37 | 2.81 |

DIMENSIONS: mm



Rectangular Connectors Hirose