



**THE DATASHEET OF**  
**687120182122**



# WR-FPC ZIF Connectors (SMT)

1.00mm, 0.50mm pitch



### Characteristics: ZIF Connector

- Flammability Rating: \* UL94-V0
- Contact Plating: 100u" Tin over 50u" Ni
- Quality Class: 25 Mating Cycles
- Operating Temp: - 25°C to +85°C
- Compliance: Lead Free and RoHS
- Current Rating: 1A
- Working Voltage: 125V
- UL Certified: E323964
- Packaging: Tape and Reel



|            | Connector/Cable | Pitch   | Type       | Construction | Contact Design             | Order Code      |
|------------|-----------------|---------|------------|--------------|----------------------------|-----------------|
|            | Connector (ZIF) | 1.00 mm | Horizontal | SMT          | Bottom Contact             | 686 1xx 144 22  |
|            | Connector (ZIF) | 1.00 mm | Horizontal | SMT          | Top Contact                | 686 1xx 141 22  |
| <b>NEW</b> | Connector (ZIF) | 1.00 mm | Horizontal | SMT          | Bottom Contact Low Profile | 686 1xx 183 522 |
| <b>NEW</b> | Connector (ZIF) | 1.00 mm | Horizontal | SMT          | Top Contact Low Profile    | 686 1xx 183 422 |
|            | Connector (ZIF) | 1.00 mm | Vertical   | SMT          | Type A                     | 686 1xx 183 822 |
|            | Connector (ZIF) | 1.00 mm | Horizontal | SMT          | Bottom Contact Hinge Type  | 686 1xx 148 922 |
|            | Connector (ZIF) | 0.50 mm | Horizontal | SMT          | Bottom Contact             | 687 1xx 145 22+ |
|            | Connector (ZIF) | 0.50 mm | Horizontal | SMT          | Top Contact                | 687 1xx 140 22  |
| <b>NEW</b> | Connector (ZIF) | 0.50 mm | Horizontal | SMT          | Bottom Contact Low Profile | 687 1xx 183 722 |
| <b>NEW</b> | Connector (ZIF) | 0.50 mm | Horizontal | SMT          | Top Contact Low Profile    | 687 1xx 183 622 |
|            | Connector (ZIF) | 0.50 mm | Vertical   | SMT          | Type A                     | 687 3xx 124 422 |
|            | Connector (ZIF) | 0.50 mm | Horizontal | SMT          | Bottom Contact Hinge Type  | 687 1xx 149 022 |
|            | Connector (ZIF) | 0.50 mm | Horizontal | SMT          | Dual Contact Back Locking  | 687 1xx 182 122 |



**Design Kit Available  
Part Number 687 001**

# WR-FFC

## Flat Flexible Cable

1.00mm, 0.50mm pitch



### Characteristics: Flat Flexible Cable (FFC)

- Insulation: PET
- Flammability Rating: UL Sub. 758
- Contact Plating: Tin
- Quality Class: 20-25 mating cycles
- Compliance: Lead Free and RoHS
- Flexing Test: 180 degrees >20 times
- Abrasion: >10,000 times
- Pull/Out: >20 times
- UL Certified: E328849
- UL Style: 20706



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| Properties      |        |        |                |
|-----------------|--------|--------|----------------|
| Part Number     | Pitch  | Type   | Contact Design |
| 686 6xx xxx 001 | 1.00mm | Type 1 | Same side      |
| 686 7xx xxx 001 | 1.00mm | Type 2 | Opposite side  |
| 687 6xx xxx 002 | 0.50mm | Type 1 | Same side      |
| 687 7xx xxx 002 | 0.50mm | Type 2 | Opposite side  |

xx = # of pins  
 xxx = length: 050 = 50mm · 100 = 100mm · 152 = 152mm · 200 = 200mm

**Custom Lengths and Pin Counts available upon request!**

**Also offering ferrites and assembly product for FFC and ribbon cable. Visit [www.we-online.com/products](http://www.we-online.com/products)**



## Looking for pricing, stock, or lifecycle information?

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