

## FEATURES AND BENEFITS



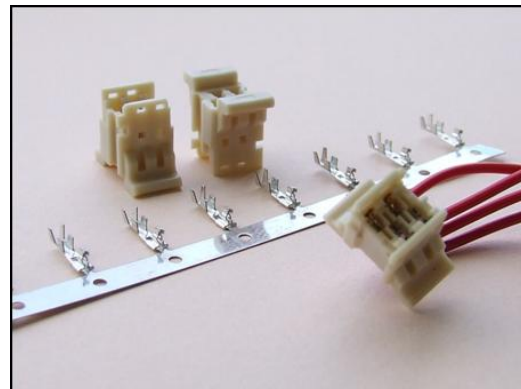
## 1.27mm (.050") Pitch Picoflex® Discrete Wire

### Discrete Wire Picoflex®

The discrete wire picoflex® is the latest addition to the picoflex® product family. It is a significant addition to the picoflex® product range and is capable of carrying 2.4A and the housing is glow wire compatible (ICE 60335). It mates with all existing picoflex® headers with standard circuit size ranging from 4 to 26. Ergonomic design enables easy of mating and un-mating which eliminates the requirement for an extraction tool. Samples and application tooling are available through your local sales office.

1st to market – no known competitors

## 91935 (Housing) 91821 (Terminal) Housing and Terminal



| Features                       | Benefits                                                                                                     |
|--------------------------------|--------------------------------------------------------------------------------------------------------------|
| ■ Glow wire compatible         | ■ Suitable for use in stand alone, unattended appliances                                                     |
| ■ 2.4Amps                      | ■ Can be used in power applications with specific headers                                                    |
| ■ Easy grip finger tabs        | ■ Ease of mating and un-mating<br>■ Extraction tool not required<br>■ Increase customer production outputs   |
| ■ Robust crimp terminal design | ■ Hand and semi-automatic crimp tooling available<br>■ Mini-Mac compatible<br>■ Low cost application tooling |
| ■ 1st to market                | ■ No competitors                                                                                             |
| ■ Standard interface design    | ■ Can be mated to all existing headers                                                                       |

## SPECIFICATIONS

### Specifications

#### Reference Information

Packaging: Bag/Reel  
Mates With: All picoflex® headers  
Glow-wire compatibility: IEC 60335  
Designed In: Millimeters

#### Electrical

Voltage: 250V max  
Current: 2.4A max  
Contact Resistance: 15 milliohms  
Dielectric Withstanding Voltage:  
750V AC  
Insulation Resistance: 1,000  
Megohms min

#### Mechanical

Contact Retention to Housing: 15N  
Mating Force: 1.7N max (Tin)  
1.1N max (Gold)  
Unmating Force: 0.25N  
Durability: 30 cycles (Tin)  
100 cycles (Gold)

#### Physical

Housing: PET 15% glass fill UL 94 V-0  
Contact: Copper alloy  
Plating:  
Contact Area — Tin or Gold  
Crimp Area — Tin  
Operating Temperature: -40°C to  
105°C

## APPLICATIONS



**1.27mm (.050") Pitch  
Picoflex® Discrete Wire**

### Markets and Applications

- White goods
- Automotive
- Medical
- Industrial
- Other Markets
  - Suitable in any markets where signal and power connections are required

**91935 (Housing)**  
**91821 (Terminal)**  
**Housing and Terminal**



## ORDERING INFORMATION

| Order No.                  | Circuit Size | Description | Plating |
|----------------------------|--------------|-------------|---------|
| <a href="#">91935-9004</a> | 4            | Housing     | N/A     |
| <a href="#">91935-9006</a> | 6            | Housing     | N/A     |
| <a href="#">91935-9008</a> | 8            | Housing     | N/A     |
| <a href="#">91935-9010</a> | 10           | Housing     | N/A     |
| <a href="#">91935-9012</a> | 12           | Housing     | N/A     |
| <a href="#">91935-9014</a> | 14           | Housing     | N/A     |
| <a href="#">91935-9016</a> | 16           | Housing     | N/A     |
| <a href="#">91935-9018</a> | 18           | Housing     | N/A     |
| <a href="#">91935-9020</a> | 20           | Housing     | N/A     |
| <a href="#">91935-9022</a> | 22           | Housing     | N/A     |
| <a href="#">91935-9024</a> | 24           | Housing     | N/A     |
| <a href="#">91935-9026</a> | 26           | Housing     | N/A     |
| <a href="#">91821-0001</a> | N/A          | Terminal    | Tin     |
| <a href="#">91821-0003</a> | N/A          | Terminal    | Gold    |



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