

FEATURES AND BENEFITS



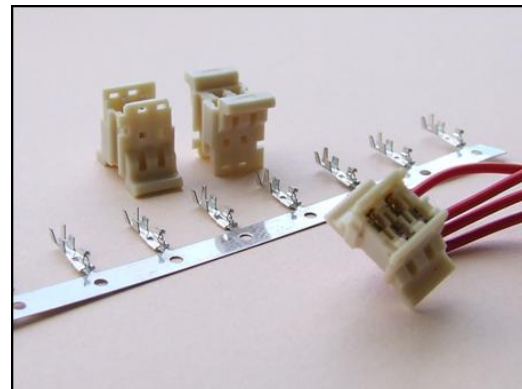
**1.27mm (.050") Pitch
Picoflex® Discrete Wire**

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 ■ Extraction tool not required ■ Increase customer production outputs
■ Robust crimp terminal design	■ Hand and semi-automatic crimp tooling available ■ Mini-Mac compatible ■ 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
91935-9004	4	Housing	N/A
91935-9006	6	Housing	N/A
91935-9008	8	Housing	N/A
91935-9010	10	Housing	N/A
91935-9012	12	Housing	N/A
91935-9014	14	Housing	N/A
91935-9016	16	Housing	N/A
91935-9018	18	Housing	N/A
91935-9020	20	Housing	N/A
91935-9022	22	Housing	N/A
91935-9024	24	Housing	N/A
91935-9026	26	Housing	N/A
91821-0001	N/A	Terminal	Tin
91821-0003	N/A	Terminal	Gold



Bringing People & Technology Together, WorldwideSM

Americas Headquarters
2222 Wellington Ct.
Lisle, Illinois 60532 USA
1-800-78MOLEX
amerinfo@molex.com

**Far East North
Headquarters**
Yamato, Kanagawa,
Japan
81-462-65-2324
feninfo@molex.com

**Far East South
Headquarters**
Jurong, Singapore
65-6-268-6868
fesinfo@molex.com

European Headquarters
Munich, Germany
49-89-413092-0
eurinfo@molex.com

Corporate Headquarters
2222 Wellington Ct.
Lisle, Illinois 60532 USA
630-969-4550

Visit our Web site at <http://www.molex.com>