



## 3.00mm (.118") Pitch Micro-Fit 3.0 Low Force Terminal

**Molex's new Micro-Fit terminal, same reliability with half the mating/unmating force**

The Micro-Fit product line has been very successful over the years. To further build on this success, improvements have been made on the terminal side of this product. Based on feedback from the field, customers would want a much lower mating and unmating forces for applications using large circuit sizes. With this objective in mind, a new terminal was developed to reduce the mate and unmate forces significantly.

The 46235 Micro-Fit Low Force Terminal is developed in respond to this need. It lowers the mate/ unmate forces by up to 50% as compared to the standard 43030 series.

The key to achieving this force reduction is the Dual Cantilever design of the contacts, as opposed to the box design of the 43030 terminals.

To achieve this objective the contacts are gold plated. Gold plating produces lesser friction compared to Tin plating, thus complementing the objective of force reduction.

### 46235 Low Force Terminal



#### Features

- Twin cantilever contact design
- Wire gauge size from 20 to 30 AWG
- Lubricated versions available

#### Benefits

- Reduces mating and unmating forces by up to 50% as compared to standard 43030 series
- Wide range of acceptable wire sizes for application flexibility
- Lubrication further reduces the mating and unmating forces and increases protection against harsh environment

#### SPECIFICATIONS

##### Reference Information

Packaging:	Reel
UL File No.:	TBA
CSA File No.:	TBA
Mates With:	NA
Use With:	43025, 43645, and 44133 receptacles
Designed In:	Millimeters

##### Electrical

Voltage (max.):	250V
Current (max.):	5.0A max.
Contact Resistance:	20milliohms max.

##### Mechanical

Contact Insertion Force:	14.7N max.
Contact Retention to Housing:	24.5N min.
Mating Force:	4.0N max.
Unmating Force:	2.0N max.
Durability (min.):	40 cycles

##### Physical

Contact:	Copper Alloy
Plating:	Gold



# 3.00mm (.118") Pitch Micro-Fit 3.0 Low Force Terminal

- Personal Computers
- Servers
- Fan Tray Assemblies
- Power Supplies
- Work Stations
- Vending Machines
- Pin Ball Machines
- Fax Machines / Copiers
- LED Applications

**46235 Low Force Terminal**



## Ordering Information

### Terminal

Order No.	Wire Size	Plating Option	Lubrication	Plant No. for Samples
46235-0001	20-24	15μ" Gold	No	3102 (AME) 5102 (EUR) 1399 (APS)
46235-0002		30μ" Gold		
46235-0003	26-30	15μ" Gold		
46235-0004		30μ" Gold		
46235-5001	20-24	15μ" Gold	Yes	
46235-5002		30μ" Gold		
46235-5003	26-30	15μ" Gold		
46235-5004		30μ" Gold		



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

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

**Asia Pacific 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://molex.com>