

## DC Power Connectors

Order code	Manufacturer code	Description
22-3780	39012020	2 WAY MINI-FIT FREE RECEPTACLE (RC)
22-3782	39012040	4 WAY MINI-FIT FREE RECEPTACLE (RC)
22-3784	39012060	6 WAY MINI-FIT FREE RECEPTACLE RC
22-3786	39012080	8 WAY MINI-FIT FREE RECEPTACLE (RC)
22-3788	n/a	10W MINI-FIT FREE RECEPTACLE RC
22-3790	n/a	12W MINI-FIT FREE RECEPTACLE (RC)

DC Power Connectors	Page 1 of 2
The enclosed information is believed to be correct, Information may change 'without notice' due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 04/07/2003

## Mini-Fit, Jr.™ Power Connectors

### Molex 39-01-2xx0 Series – Mini-Fit, Jr.™ Receptacle – Dual Row

#### Features & Benefits

- Designed for use with strain relief or overmold applications
- Fully isolated terminals to protect contacts from damage
- Uses standard Mini-Fit series terminals

#### Reference Information

Product Specification: PS-5556-0001  
 UL File No: E29179  
 CSA File No: LR19980  
 TUV License No: R75142  
 Mates with: 5559, 5566, 5569, 42404, 42440 & 42475  
 Use with: Standard Mini-Fit terminals

#### Electrical

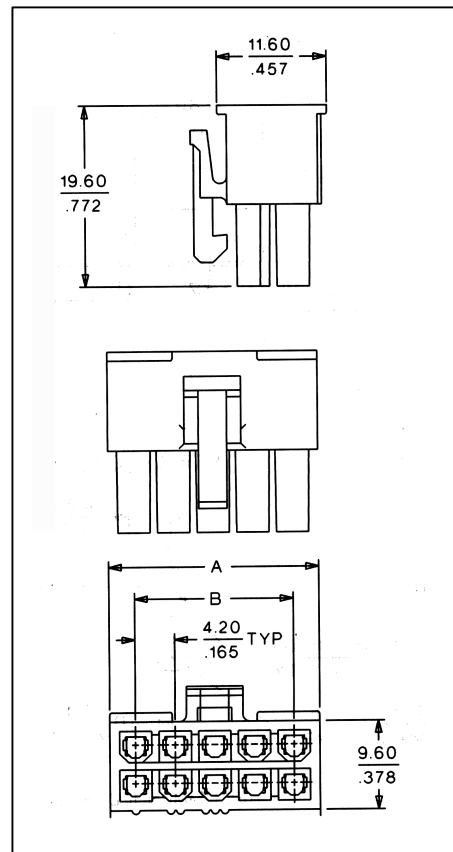
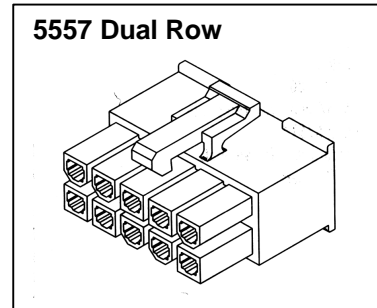
Voltage: 600V  
 Current: 9.0A max.  
 Contact Resistance: 10mΩ max.  
 Dielectric Withstand Voltage: 1500V AC  
 Insulation Resistance: 1000MΩ

#### Mechanical

Contact Insertion Force: 1.5kg max.  
 Contact Retention to Housing: 3.0kg min.  
 Wire Pull-Out Force: 9.0kg min.  
 Insertion Force to PCB: 5.0kg max.  
 Mating Force: 0.7kg (1.54lb) per circuit max.  
 Unmating Force: 0.35kg (0.7lb) per circuit min.  
 Normal Force: 200g min.  
 Durability: 30 cycles

#### Physical

Housing: 6/6 nylon, UL 94V-2 or 94V-0  
 Contact: Brass or Phosphor Bronze  
 Plating: Tin  
 Temperature: -40 to +105°C



Molex Ref No.	Circuits	Dimensions	
		A	B
39-01-2020	2	5.40 (.213)	
39-01-2040	4	9.60 (.378)	4.20 (.165)
39-01-2060	6	13.80 (.543)	8.40 (.331)
39-01-2080	8	18.00 (.709)	12.60 (.496)
39-01-2100	10	22.20 (.874)	16.80 (.661)
39-01-2120	12	26.40 (1.039)	21.00 (.827)