

## 1 1/8" Mini-Receptacle Connectors, Front Mount, US Color Code

RSF 90M...120M | RKF 901M...1201M

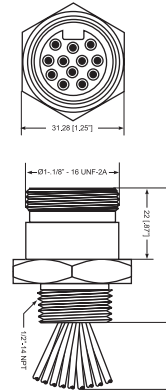


### Male, 9-, 10-, and 12-Pole

Receptacle connector, 1 1/8"-c body, male  
9-, 10-, and 12-pole for front mounting,  
assembled stranded wire, potted with epoxy,  
chassis side thread 1/2" NPT, screw connection.

- US Color Code -

RSF 90M...120M

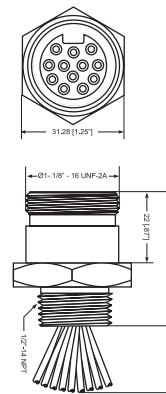


RKF 901M...1201M

### Female, 9-, 10-, and 12-Pole

Receptacle connector, 1 1/8"-c body, female  
9-, 10-, and 12-pole for front mounting,  
assembled stranded wire, potted with epoxy,  
chassis side thread 1/2" NPT, screw connection.

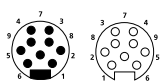
- US Color Code -



## Pin Assignments

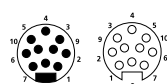
### Face Views, 1 1/8"-Male / Female

#### 9 pole



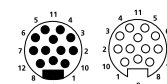
- 1 = orange
- 2 = blue
- 3 = red with black tr.
- 4 = green with black tr.
- 5 = white
- 6 = red
- 7 = green
- 8 = white with black tr.
- 9 = black

#### 10 pole



- 1 = orange
- 2 = blue
- 3 = white/black
- 4 = red/black
- 5 = green/black
- 6 = orange/black
- 7 = red
- 8 = green
- 9 = black
- 10 = white

#### 12 pole



- 1 = orange
- 2 = blue
- 3 = white/black
- 4 = red/black
- 5 = green/black
- 6 = orange/black
- 7 = blue/black
- 8 = black/white
- 9 = green
- 10 = red
- 11 = white
- 12 = black



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**Technical Data**

**Environmental**










Degree of protection IP 68 / NEMA 6P  
Operating temperature range -40°C (-40°F) / +90°C (+194°F)

**Mechanical**

Insert TPU, yellow  
Contacts CuZn, gold plated  
Receptacle shell Aluminum (anodized, clear)  
Locknut Steel, zinc plated  
O-ring Viton

**Electrical**

Current rating 9 and 10 pole: 7 A  
12 pole: 5 A  
Voltage rating 600 V

Part Number		Pins	Gauge	Characteristics
RSF 90M-623/1F	RKF 901M-623/1F	9	16	  
RSF 100M-699/1F	RKF 1001M-699/1F	10	16	  
RSF 120M-624/1F	RKF 1201M-624/1F	12	16	  

# Mouser Electronics

Authorized Distributor

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[RSF 90M-623/1F](#) [RSF 90M-623/3F](#)