

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0906351401](#)  
**Status:** **Active**  
**Overview:** QF-50™  
**Description:** 1.27mm Pitch QF-50 Single Beam, Vertical MIL/DIN Version, 0.10µm Gold (Au), 40 Circuits

**Documents:**

[3D Model](#) [Packaging Specification PK-90635-001-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-99020-0015-001 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

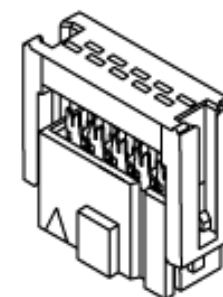
Product Family Ribbon Cable / Wire Trap Connectors  
 Series [90635](#)  
 Comments Preloaded Upper Housing, Preloaded Upper Housing  
 Component Type Housing  
 Glow-Wire Capable No  
 Overview [QF-50™](#)  
 Product Name QF-50  
 UPC 800753656178

**Physical**

Circuits (Loaded) 40  
 Circuits (maximum) 40  
 Color - Resin Black  
 Durability (mating cycles max) 300  
 Entry Angle 90° Angle  
 Flammability 94V-0  
 Lock to Mating Part None  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin Polyester  
 Net Weight 4.390/g  
 Number of Rows 2  
 PCB Retention None  
 Packaging Type Tray  
 Pitch - Mating Interface 2.54mm  
 Pitch - Termination Interface 1.27mm  
 Plating min - Mating 0.102µm  
 Plating min - Termination 0.991µm  
 Polarized to Mating Part Yes  
 Shrouded Fully  
 Stackable No  
 Surface Mount Compatible (SMC) N/A  
 Temperature Range - Operating -25° to +85°C  
 Termination Interface: Style IDT or Pierce  
 Wire Insulation Diameter 1.14mm max.  
 Wire Size AWG 26, 28  
 Wire/Cable Type Ribbon Cable

**Electrical**

Current - Maximum per Contact 1.0A



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 ED/71/2019 (16 July  
 2019)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[90635 Series](#)

**Mates With**

[90663](#)

**Use With**

[90170](#)

**Application Tooling | [FAQ](#)**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

| Description                             | Product #                 |
|---|---------------------------|
| Changehead for Parallel Action Handtool | <a href="#">690080250</a> |
| Arbor Press Fixture                     | <a href="#">690200680</a> |
| Semi-Automatic Bench Press              | <a href="#">691271150</a> |
| PB15 C/W Cable                          |                           |

Voltage - Maximum

250V AC/DC

Sensor for 90635  
Connectors

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification

PK-90635-001-001

Product Specification

PS-99020-0015-001

Sales Drawing

SDA-90635-001

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