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**Part Number:** [90635-1402](#)  
**Status:** **Active**  
**Overview:** QF-50™  
**Description:** 1.27mm Pitch QF-50™, Single Beam, Vertical MIL/DIN Version, 0.76µm Gold (Au), 40 Circuits

**Documents:**

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

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family Ribbon Cable / Wire Trap Connectors  
 Series [90635](#)  
 Comments Preloaded Upper Housing  
 Component Type Housing  
 Glow-Wire Compliant No  
 Overview [QF-50™](#)  
 Product Name QF-50™  
 UPC 800753655959

**Physical**

Circuits (Loaded) 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 4.400/g  
 Number of Rows 2  
 PCB Retention None  
 Packaging Type Tray  
 Pitch - Mating Interface 2.54mm  
 Pitch - Termination Interface 1.27mm  
 Plating min - Mating 0.762µm  
 Plating min - Termination 0.991µm  
 Polarized to Mating Part Yes  
 Shrouded Fully  
 Stackable No  
 Surface Mount Compatible (SMC) N/A  
 Temperature Range - Operating -25°C 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 1A  
 Voltage - Maximum 250V AC/DC



Series

image - Reference only

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Not Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[90635Series](#)

**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 #
Arbor Press Fixture	<a href="#">0690200680</a>
Semi-Automatic	<a href="#">0691271150</a>
Bench Press	
PB15 C/W Cable	
Sensor for 90635	
Connectors	

**Material Info**

**Reference - Drawing Numbers**

Product Specification  
Sales Drawing

PS-99020-0015  
SDA-90635

Changehead for	<u>0690080250</u>
Parallel Action	
Handtool	690080949

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