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Part Number: **0545595011**
Status: **Obsolete**
Overview: qf50
Description: 2.54mm (0.100") Pitch QF-50™ Flat Cable Receptacle Housing, 50 Circuits, Side Mating Keys

Documents:
[Drawing \(PDF\)](#)

General

| | |
|---------------------|-------------------------------------|
| Product Family | Ribbon Cable / Wire Trap Connectors |
| Series | <u>54559</u> |
| Component Type | Housing |
| Glow-Wire Compliant | No |
| Overview | <u>qf50</u> |
| Product Name | QF-50™ |

Physical

| | |
|--------------------------------|---------------------|
| Circuits (Loaded) | 50 |
| Color - Resin | Black |
| Durability (mating cycles max) | 500 |
| Entry Angle | 90° Angle |
| Lock to Mating Part | Yes |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Gold |
| Material - Resin | Polyester |
| Number of Rows | 2 |
| PCB Retention | None |
| Packaging Type | Tray |
| Pitch - Mating Interface | 2.54mm (.100") |
| Plating min - Mating | 0.305µm (12µ") |
| Plating min - Termination | 0.305µm (12µ") |
| Polarized to Mating Part | Yes |
| Stackable | No |
| Surface Mount Compatible (SMC) | N/A |
| Temperature Range - Operating | -40°C to +85°C |
| Termination Interface: Style | IDT or Pierce |
| Wire Insulation Diameter | 1.14mm (.045") max. |
| Wire Size AWG | 28 |
| Wire/Cable Type | Ribbon Cable |

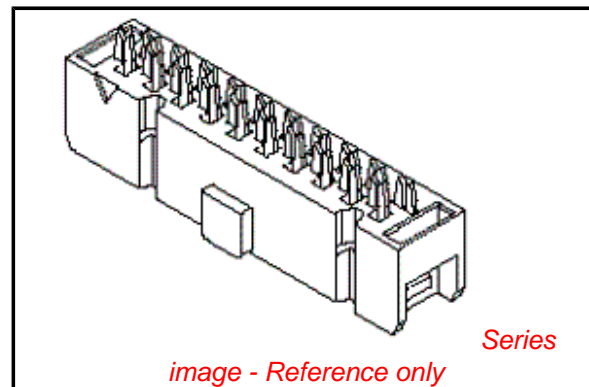
Electrical

| | |
|-------------------------------|------|
| Current - Maximum per Contact | 1A |
| Voltage - Maximum | 300V |

Material Info

Reference - Drawing Numbers

| | |
|-----------------------|--|
| Product Specification | PS-54559-004, RPS-501577-001, RPS-54559-008, RPS-54559-012, RPS-54559-014, RPS-54559-015 |
| Sales Drawing | SD-54559-003 |



EU RoHS

ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Low-Halogen Status
Not Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email 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

[54559Series](#)

Mates With

[55401](#) Vertical Header, [55638](#) Right Angle Header

Use With

[54561](#) Strain Relief, [54560](#) Upper Housing

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.

Japan

| Description | Product # |
|--|----------------------------|
| IDT Hand Tool Assembly For MIL Connector | 0572525000 |
| IDT Machine For MIL IDT Connector | 0572527000 |

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