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**Part Number:** **0905841308**  
**Status:** **Active**  
**Overview:** Picoflex Ribbon-Cable Connectors  
**Description:** 1.27mm Pitch Picoflex PF-50 IDT Receptacle, Low Profile, Board-in, 8 Circuits

**Documents:**

|                                |  |
|--------------------------------|--|
| <a href="#">3D Model (PDF)</a> | <a href="#">Product Specification PS-99020-0011-001 (PDF)</a>  |
| <a href="#">3D Model</a>       | <a href="#">Packaging Specification PK-90584-001-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>  | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |

**Agency Certification**

UL E29179

**General**

|                   |   |
|-------------------|---|
| Product Family    | Ribbon Cable / Wire Trap Connectors     |
| Series            | 90584                                   |
| Comments          | Low Profile                             |
| Component Type    | One Piece                               |
| Glow-Wire Capable | No                                      |
| Overview          | <u>Picoflex Ribbon-Cable Connectors</u> |
| Product Name      | Board-in, Picoflex                      |
| UPC               | 800753662414                            |

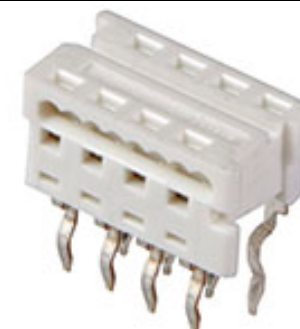
**Physical**

|                                |                           |
|--------------------------------|---------------------------|
| Circuits (Loaded)              | 8                         |
| Color - Resin                  | Natural                   |
| Durability (mating cycles max) | 30                        |
| Entry Angle                    | 90° Angle                 |
| Flammability                   | 94V-0                     |
| Lock to Mating Part            | None                      |
| Material - Metal               | Phosphor Bronze           |
| Material - Plating Mating      | Tin                       |
| Material - Plating Termination | Tin                       |
| Material - Resin               | Polyester                 |
| Net Weight                     | 0.563/g                   |
| Number of Rows                 | 2                         |
| PCB Locator                    | No                        |
| PCB Retention                  | Yes                       |
| PCB Thickness - Recommended    | 1.60mm                    |
| Packaging Type                 | Tube                      |
| Pitch - Mating Interface       | 1.27mm                    |
| Plating min - Mating           | 2.032µm                   |
| Plating min - Termination      | 2.032µm                   |
| Polarized to Mating Part       | N/A                       |
| Polarized to PCB               | Yes                       |
| Stackable                      | No                        |
| Surface Mount Compatible (SMC) | No                        |
| Temperature Range - Operating  | -40° to +105°C            |
| Termination Interface: Style   | Through Hole - Kinked Pin |
| Wire Insulation Diameter       | 1.00mm max.               |
| Wire Size AWG                  | 26, 28                    |
| Wire/Cable Type                | Ribbon Cable              |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 1.2A |
| Voltage - Maximum             | 250V |

**Solder Process Data**



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**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**

90584 Series

**Mates With**

N/A

**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 # |
|---|-----------|
| PremiumGrade Hand Crimp Tool for Picoflex PF-50 IDT Receptacle, 4-26 Circuits, 26 or 28 AWG Flat Cable, 1.00mm max. thickness | 690081090 |
| Arbor Press Fixture   | 690201902 |
| Arbor Press Fixture   | 690201908 |

|  |      |
|--|------|
| Duration at Max. Process Temperature (seconds) | 005  |
| Lead-freeProcess Capability                    | WAVE |
| Max. Cycles at Max. Process Temperature        | 001  |
| Process Temperature max. C                     | 230  |

**Material Info**

**Reference - Drawing Numbers**

|                         |                              |
|-------------------------|------------------------------|
| Packaging Specification | PK-90584-001-001             |
| Product Specification   | PS-99020-0011-001            |
| Sales Drawing           | SDA-90584-001, SDA-90584-002 |

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