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Part Number:

0905841316

Status:

Active

Overview:

Picoflex Ribbon-Cable Connectors

Description:

1.27mm Pitch Picoflex PF-50 IDT Receptacle, Low Profile, Board-in, 16 Circuits

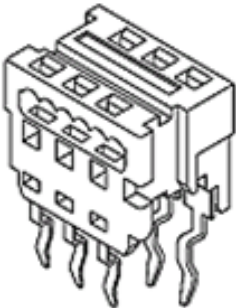
|                                |                                                                |
|--------------------------------|----------------------------------------------------------------|
| Documents:                     |                                                                |
| <a href="#">3D Model</a>       | <a href="#">Product Specification PS-99020-0011-001 (PDF)</a>  |
| <a href="#">Drawing (PDF)</a>  | <a href="#">Packaging Specification PK-90584-001-001 (PDF)</a> |
| <a href="#">3D Model (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             | <a href="#">Picoflex Ribbon-Cable Connectors</a> |
| Product Name         | Board-in, Picoflex                               |
| UPC                  | 800753662278                                     |

|                                |                           |
|--------------------------------|---------------------------|
| Physical                       |                           |
| Circuits (Loaded)              | 16                        |
| 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                     | 0.997/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                                                       | China 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 <a href="#">Contact US</a> |               |
| China ROHS                                                    | Green Image   |
| ELV                                                           | Not Relevant  |
| RoHS Phthalates                                               | 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 |

|                                    |                    |                              |
|------------------------------------|--------------------|------------------------------|
| Lead-free                          | Process Capability | WAVE                         |
| <b>Material Info</b>               |                    |                              |
| <b>Reference - Drawing Numbers</b> |                    |                              |
| Packaging Specification            |                    | PK-90584-001-001             |
| Product Specification              |                    | PS-99020-0011-001            |
| Sales Drawing                      |                    | SDA-90584-001, SDA-90584-002 |

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