



Part Number : 903270320

Series Number : 90327

Product Category : Connector Housings

Product Description : Picoflex PF-50, Low Profile, IDT Receptacle, 20 Circuits, White, Tin (Sn) Plated, Bag

Status : Active

Documents & Resources

- Drawings
- [Drawing 903270320_sd.pdf](#)
- 3D Models and Design Files
- [3D Model 903270320_stp.zip](#)
- Specifications
- [Application Specification 908140000-AS-000.pdf](#)
- [Packaging Specification PK-90327-001-001.pdf](#)
- [Product Specification PS-99020-0011-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration

- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	Connector Housings
Series	90327
Description	Picoflex PF-50, Low Profile, IDT Receptacle, 20 Circuits, White, Tin (Sn) Plated, Bag
Comments	Low Profile
Component Type	Housing
Product Family	Picoflex Ribbon-Cable Connectors
Product Name	Picoflex
UPC	800753538177

Agency

CSA	LR19980
UL	E29179

Electrical

Voltage - Maximum	250V
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Physical

Circuits (Loaded)	20
Circuits (maximum)	20
Color - Resin	White
Durability (mating cycles max)	30
Entry Angle	Vertical
Flammability	94V-0
Gender	Receptacle
Glow-Wire Capable	No
Lock to Mating Part	Yes

Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	0.785/g
Number of Rows	2
Packaging Type	Bag
PCB Locator	No
PCB Retention	None
Pitch - Mating Interface	1.27mm
Pitch - Termination Interface	1.27mm
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	IDT or Pierce
Wire/Cable Type	Ribbon Cable
Wire Insulation Diameter	1.00mm max.
Wire Size (AWG)	26, 28

Mates With / Use With

Mates with Part(s)

Description	Part Number
Picoflex PF-50 Vertical Low Profile Headers	<u>90325</u>
Picoflex PF-50 Vertical Low Profile Headers	<u>90779</u>
Picoflex PF-50 Vertical Surface Mount Headers	<u>90814</u>

Application Tooling

Global

Description	Part Number
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Extractor Tool for Connectors	<u>621006000</u>
Extraction Tool for Picoflex PF-50 Connectors, 4-26 Circuits	<u>690081070</u>
PremiumGrade Hand Crimp Tool for Picoflex PF-50 IDT Receptacle, 4-26 Circuits, 26 or 28 AWG Flat Cable, 1.00mm max. Thickness	<u>690081090</u>
Arbor Press Fixture	<u>690201902</u>
Semi-Automatic Bench Press PB14 for 4-26 Circuit	<u>691271001</u>
Semi-Automatic PB14 Bench Press with Auto De-reeling	<u>691271004</u>
Assembly of De-Tape Unit for Semi-Automatic Bench Press PB14	<u>691275045</u>

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