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Part Number: [0905841310](#)
Status: **Active**
Description: 1.27mm (.050") Pitch Picoflex® PF-50 IDT Receptacle, Low Profile, Board-In, 10 Circuits

Documents:

[3D Model](#) [Product Specification PS-99020-0011 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification ES-99033-0002 \(PDF\)](#)

General

Product Family	Ribbon Cable / Wire Trap Connectors
Series	90584
Comments	Low Profile
Component Type	One Piece
Glow-Wire Compliant	No
Product Name	Board-In
Product Name	Picoflex®

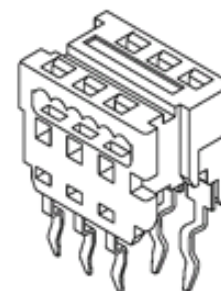
Physical

Circuits (Loaded)	10
Color - Resin	Natural
Durability (mating cycles max)	30
Entry Angle	90° Angle
Lock to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	2
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tube
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Plating min: Mating (µin)	80.00
Plating min: Mating (µm)	2.00
Plating min: Termination (µin)	80.00
Plating min: Termination (µm)	2.00
Polarized to Mating Part	N/A
Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole - Kinked Pin
Wire Insulation Diameter	1.00mm (.039") max.
Wire Size AWG	26
Wire Size AWG	28
Wire/Cable Type	Ribbon Cable

Electrical

Current - Maximum	1.2A
Voltage - Maximum	250V

Solder Process Data



Series image - Reference only

EU RoHS

ELV and RoHS Compliant
REACH SVHC Contains SVHC: No
Halogen-Free Status

China RoHS



Not Reviewed

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

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 #
Arbor Press Fixture	0690201902
Handtool for 90327, 90584 and 91577 Picoflex® Connectors, 4-26 Circuit	0690081090
Semi-Automatic Bench Press PB16 with Auto De-tubing for 90854 Connectors	0691271010

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	230

Arbor Press Fixture <u>0690201908</u> for 91577 Picoflex® Connectors
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Material Info

Reference - Drawing Numbers

Product Specification	ES-99033-0002
Product Specification	PS-99020-0011
Sales Drawing	SDA-90584

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