

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0903273312](#)  
**Status:** **Active**  
**Description:** 1.27mm (.050") Pitch Picoflex® PF-50, Low Profile, IDT Receptacle, 12 Circuits, Natural, Gold Plated, Reeling Option A

**Documents:**

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

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family Ribbon Cable / Wire Trap Connectors  
 Series [90327](#)  
 Comments Low Profile  
 Component Type Housing  
 Glow-Wire Compliant No  
 Product Name Picoflex®

**Physical**

Circuits (Loaded) 12  
 Color - Resin Natural  
 Durability (mating cycles max) 100  
 Entry Angle 90° Angle  
 Flammability 94V-0  
 Lock to Mating Part Yes  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin Polyester  
 Number of Rows 2  
 PCB Retention None  
 Packaging Type Bag  
 Pitch - Mating Interface (in) 0.050 In  
 Pitch - Mating Interface (mm) 1.27 mm  
 Polarized to Mating Part Yes  
 Stackable No  
 Surface Mount Compatible (SMC) N/A  
 Temperature Range - Operating -40°C to +105°C  
 Termination Interface: Style IDT or Pierce  
 Wire Insulation Diameter 1.00mm (.039") max.  
 Wire Size AWG 26, 28  
 Wire/Cable Type Ribbon Cable

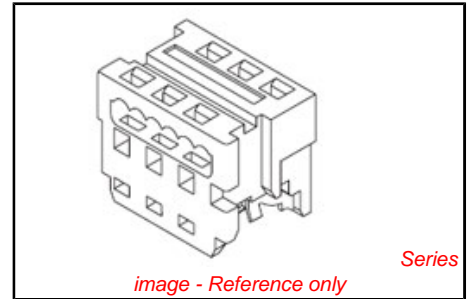
**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

Product Specification PS-99020-0011  
 Sales Drawing SDA-90327



<p><b>EU RoHS</b>  <b>ELV and RoHS</b>  <b>Compliant</b>  <b>REACH SVHC</b>  <b>Contains SVHC: No</b>  <b>Halogen-Free</b>  <b>Status</b>  <b>Not Reviewed</b></p>	<p><b>China RoHS</b></p>
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**Need more information on product environmental compliance?**  
 Email [productcompliance@molex.com](mailto: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**  
[90327Series](#)

**Mates With**  
 Low Profile Vertical [90325](#) , Low Profile Right Angle [90800](#) , [90715](#) , [90814](#) , [90779](#) Vertical

**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	<a href="#">0690201902</a>
Extrator Tool for Picoflex™ Connectors	<a href="#">0621006000</a>
Semi-Automatic Bench Press PB14 for 90327	<a href="#">0691271001</a>

Connectors, 4 to 26  
Circuit  
Extraction Tool 0690081070  
(Plastic) for 90327  
Connector, 4-26  
Circuit  
Handtool for 0690081090  
90327, 90584 and  
91577 Picoflex®  
Connectors, 4-26  
Circuit  
Arbor Press Fixture 0690201908  
for 91577 Picoflex®  
Connectors

This document was generated on 04/09/2010

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**NOTES:**

1. APPL. CLASS TO DIN 40040 HME (-25°C/+100°C).
2. COMPATIBLE WITH MOLEX PT 90325.
3. USE WITH CABLES 28AWG STD, 26AWG STD, AND 26AWG (69 STRANDS) SUPERFLEX.
4. TERMINATION SPECIFICATION: ES-99033-0001.
5. PRODUCT SPECIFICATION: PS-99020-0011.

90 27- \* 3 \* \*

0= 2um PRE TIN ASSY  
 3= 0.76um GOLD ASSY  
 SEE CONTACT PLATING NOTE

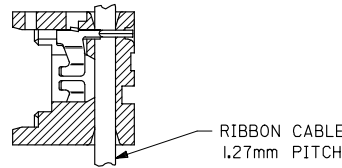
04 TO 26 = CCT SIZE, 51 TO 98  
 = ASSY ON REELS, SEE CHART.  
 COLOUR WHITE

**HOUSING**

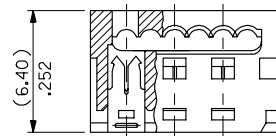
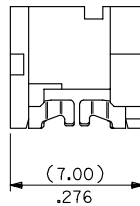
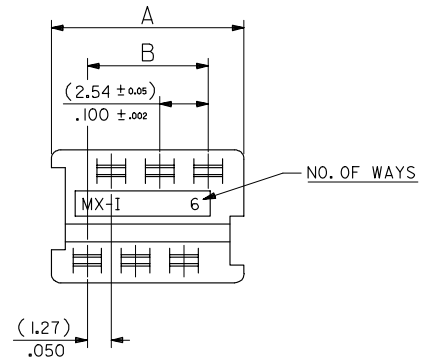
MATL: POLYESTER RATED AT UL 94 V-0,  
 COLOUR WHITE.

**IDT CONTACT**

MATL. PHOS BRONZE (0.17)/.0066  
 THK HV 180-200  
 PLATING. TIN: (2-4um)/80-160u" PURE TIN  
 PLATING. GOLD: (1.3um)/50u" MIN. NICKEL  
 UNDER (0.76um)/30u" SELECTIVE GOLD



SECTION SHOWING  
 ASSY AFTER TERMINATION  
 SEE NOTE 6



90327 - *326	26	(35.53)/1.399	(31.75)/ 1.250
↑ - *324	24	(32.99)/1.299	(29.21)/1.150
- *322	22	(30.45)/1.199	(26.67)/1.050
- *320	20	(27.91)/1.099	(24.13)/ .950
- *318	18	(25.37)/ .999	(21.59)/ .850
- *316	16	(22.83)/ .899	(19.05)/ .750
- *314	14	(20.29)/ .799	(16.51)/ .650
- *312	12	(17.75)/ .699	(13.97)/ .550
- *310	10	(15.21)/ .599	(11.43)/ .450
- *308	8	(12.67)/ .499	( 8.89)/ .350
↓ - *306	6	(10.13)/ .399	( 6.35)/ .250
90327 - *304	4	( 7.59)/ .299	( 3.81)/ .150
PART NO.	CCT SIZE	DIMENSION A	DIMENSION B

REMOVE COLOUR CODE EC NO: E2007-0940 DRW: DMSZK/LEM/CZ/2007/06/07 CHK: DMOR IARTY 2007/06/11 APPR: JDENNDHY 2007/06/14	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM/IN	SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION													
		<table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± .---</td> <td>± .---</td> </tr> <tr> <td>3 PLACES</td> <td>± .---</td> <td>± .004</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.10</td> <td>± .---</td> </tr> <tr> <td>1 PLACE</td> <td>± .---</td> <td>± .---</td> </tr> </tbody> </table> ANGULAR ± 2 °		mm	INCH	4 PLACES	± .---	± .---	3 PLACES	± .---	± .004	2 PLACES	± 0.10	± .---	1 PLACE	± .---	± .---	DRAWN BY NPC DATE 1987/07/28 CHECKED BY DMOR IARTY DATE 2004/09/15 APPROVED BY JDENNDHY DATE 2004/09/16	TITLE IDT ASSEMBLY PICOFLEX
	mm	INCH																	
4 PLACES	± .---	± .---																	
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1 PLACE	± .---	± .---																	
AF	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE CHART	MOLEX INCORPORATED		DOCUMENT NO. SDA-90327	SHEET NO. 1 OF 2													
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			

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