

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

**Part Number:** [0903273372](#)  
**Status:** **Active**  
**Description:** 1.27mm (.050") Pitch Picoflex® PF-50, Low Profile, IDT Receptacle, 14 Circuits, Natural, Gold Plated, Reeling Option B

**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|Reeling Option B  
 Component Type Housing  
 Glow-Wire Compliant No  
 Product Name Picoflex®

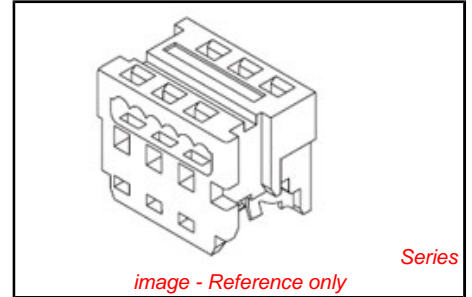
**Physical**

Circuits (Loaded) 14  
 Circuits (maximum) 14  
 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 Locator No  
 PCB Retention None  
 PCB Thickness Recommended (in) 0.000 In  
 PCB Thickness Recommended (mm) 0.00 mm  
 Packaging Type Bag  
 Pitch - Mating Interface (in) 0.050 In  
 Pitch - Mating Interface (mm) 1.27 mm  
 Polarized to Mating Part Yes  
 Polarized to PCB No  
 Shrouded Fully  
 Stackable No  
 Surface Mount Compatible (SMC) No  
 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 AC/DC

**Material Info**



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**Halogen-Free Status Not Reviewed**

**China RoHS**



**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 #
Extraction Tool (Plastic) for 90327 Connector, 4-26 Circuit	<a href="#">0690081070</a>
Semi-Automatic PB14 Bench Press with Auto De-	<a href="#">0691271004</a>



10 9 8 7 6 5 4 3 2 1

**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

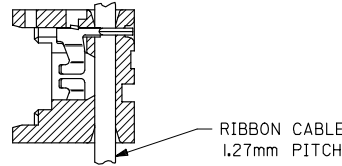
04 TO 26 = CCT SIZE, 51 TO 98  
 = ASSY ON REELS, SEE CHART.  
 COLOUR WHITE

**HOUSING**

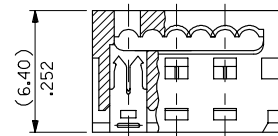
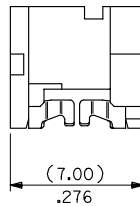
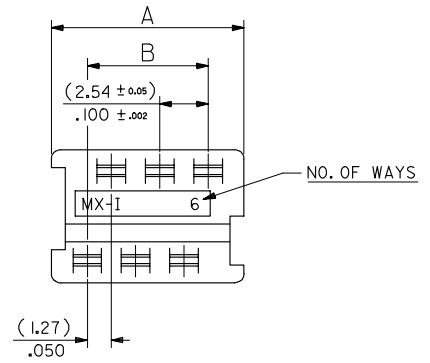
MATL: POLYESTER RATED AT UL 94 V-0,  
 COLOUR WHITE.

**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



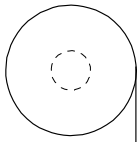
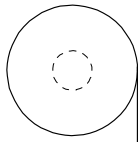
90327 - *326	26	(35.53)/1.399	(31.75)/ 1.250
↑ - *324	24	(32.99)/1.299	(29.21)/1.150
- *322	22	(30.45)/1.199	(26.67)/1.050
- *320	20	(27.91)/1.099	(24.13)/ .950
- *318	18	(25.37)/ .999	(21.59)/ .850
- *316	16	(22.83)/ .899	(19.05)/ .750
- *314	14	(20.29)/ .799	(16.51)/ .650
- *312	12	(17.75)/ .699	(13.97)/ .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: DAWASZK/LEM/CZ/2007/06/07 CHK: CHODORJARTY 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> <tr> <td colspan="3">ANGULAR ± 2 °</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	± .---	± .---	3 PLACES	± .---	± .004	2 PLACES	± 0.10	± .---	1 PLACE	± .---	± .---	ANGULAR ± 2 °			DRAWN BY NPC	DATE 1987/07/28
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AF	DESCRIPTION	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	CHECKED BY DMORJARTY	DATE 2004/09/15	MOLEX INCORPORATED																	
		SEE CHART	APPROVED BY JDENNDHY	DATE 2004/09/16	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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REELING OPTION A

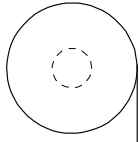
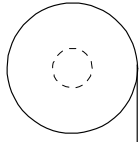
REELING OPTION B



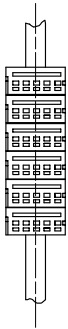
NARROW POLARISING SLOT

REELING OPTION C

REELING OPTION D



WIDE POLARISING SLOT



REEL ASSY NO.	PART NO.	CCT SIZE	REELING OPTION	REEL ASSY NO.	PART NO.	CCT SIZE	REELING OPTION
90327-•351	90327-•304	4	A	90327-•375	90327-•316	16	A
↑	↑	↑	↑	↑	↑	↑	↑
•352			B	•376			B
↓	↓	↓	↓	↓	↓	↓	↓
•353			C	•377			C
90327-•354	90327-•304	4	D	90327-•378	90327-•316	16	D
90327-•355	90327-•306	6	A	90327-•379	90327-•318	18	A
↑	↑	↑	↑	↑	↑	↑	↑
•356			B	•380			B
↓	↓	↓	↓	↓	↓	↓	↓
•357			C	•381			C
90327-•358	90327-•306	6	D	90327-•382	90327-•318	18	D
90327-•359	90327-•308	8	A	90327-•383	90327-•320	20	A
↑	↑	↑	↑	↑	↑	↑	↑
•360			B	•384			B
↓	↓	↓	↓	↓	↓	↓	↓
•361			C	•385			C
90327-•362	90327-•308	8	D	90327-•386	90327-•320	20	D
90327-•363	90327-•310	10	A	90327-•387	90327-•326	26	A
↑	↑	↑	↑	↑	↑	↑	↑
•364			B	•388			B
↓	↓	↓	↓	↓	↓	↓	↓
•365			C	•389			C
90327-•366	90327-•310	10	D	90327-•390	90327-•326	26	D
90327-•367	90327-•312	12	A	90327-•391	90327-•322	22	A
↑	↑	↑	↑	↑	↑	↑	↑
•368			B	•392			B
↓	↓	↓	↓	↓	↓	↓	↓
•369			C	•393			C
90327-•370	90327-•312	12	D	90327-•394	90327-•322	22	D
90327-•371	90327-•314	14	A	90327-•395	90327-•324	24	A
↑	↑	↑	↑	↑	↑	↑	↑
•372			B	•396			B
↓	↓	↓	↓	↓	↓	↓	↓
•373			C	•397			C
90327-•374	90327-•314	14	D	90327-•398	90327-•324	24	D

REVISION UPDATE IEC NO: E2007-0940 DRW: DMORIASZKI/LEM/CZ/2007/06/07 CHK: DMORIASZKI/LEM/CZ/2007/06/11 APPR: JDENNEHY/2007/06/14 AE	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td colspan="3">ANGULAR ± 2 °</td> </tr> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± ---	± ---	1 PLACE	± ---	± ---	ANGULAR ± 2 °			DIMENSION STYLE MM/IN DRAWN BY: PAD DATE: 1991/02/27 CHECKED BY: DMORIASZKI DATE: 2004/09/15 APPROVED BY: JDENNEHY DATE: 2004/09/16	SCALE: NTS DESIGN UNITS: METRIC THIRD ANGLE PROJECTION
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