

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0908140018](#)
Status: **Active**
Overview: [picoflex](#)
Description: 1.27mm (.050") Pitch Picoflex® PF-50 Header, Vertical, Low Profile, Surface Mount, 18 Circuits, Glow Wire Compatible

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

Agency Certification

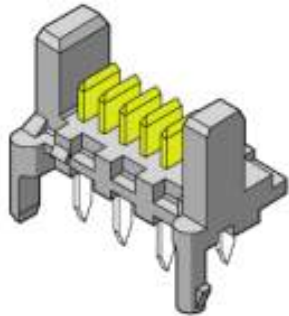
UL E29179

General

Product Family PCB Headers
Series [90814](#)
Application Wire-to-Board
Application Tooling Part Link 690081070
Comments Low Profile SMT
Overview [picoflex](#)
Product Name Picoflex®

Physical

Breakaway No
Circuits (Loaded) 18
Color - Resin Natural
Durability (mating cycles max) 30
First Mate / Last Break No
Flammability 94V-0
Glow-Wire Compliant Yes
Guide to Mating Part No
Keying to Mating Part None
Lock to Mating Part Yes
Material - Metal Brass
Material - Plating Mating Tin
Material - Resin High Temperature Thermoplastic
Number of Rows 1
Orientation Vertical
PCB Locator Yes
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) 120
Plating min: Mating (µm) 3
Plating min: Termination (µin) 120
Plating min: Termination (µm) 3
Polarized to Mating Part Yes
Polarized to PCB Yes
Shrouded No
Stackable No
Surface Mount Compatible (SMC) N/A
Temperature Range - Operating -40°C to +105°C
Termination Interface: Style Surface Mount



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
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

[90814Series](#)

Mates With

[90327 IDT Connector](#)

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	0690081070

Electrical

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

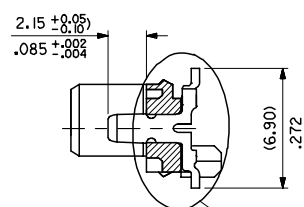
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-90814-001
Product Specification	PS-99020-0011
Sales Drawing	SDA-90814

This document was generated on 05/26/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

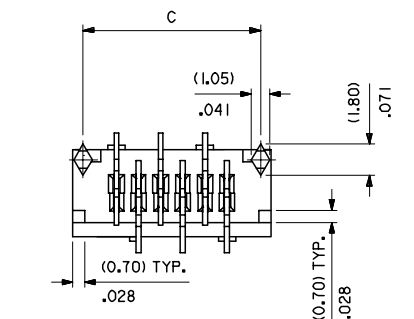


SEE NOTE 6

 (0.00 ± 0.10)

SEE NOTE 4

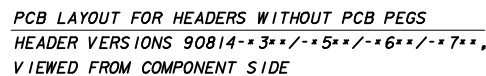
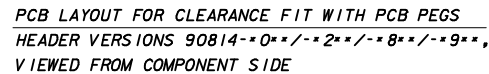
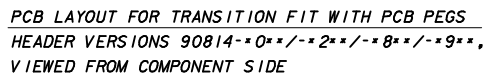
(SCALE 10:1)



7) PCB LAYOUT SHOWN ON SHEET 2

908 14---34	34	(46.96)/1.849	(41.91)/1.650	(45.76)/1.802	10	NO
908 14---26	26	(36.80)/1.449	(31.75)/1.250	(35.60)/1.402	14	YES
908 14---24	24	(34.26)/1.349	(29.21)/1.150	(33.06)/1.302	15	YES
908 14---22	22	(31.72)/1.249	(26.67)/1.050	(30.52)/1.202	16	YES
908 14---20	20	(29.18)/1.149	(24.13)/.950	(27.98)/1.102	18	YES
908 14---18	18	(26.64)/1.049	(21.59)/.850	(25.44)/1.002	20	YES
908 14---16	16	(24.10)/.949	(19.05)/.750	(22.90)/.902	22	YES
908 14---14	14	(21.56)/.849	(16.51)/.650	(20.36)/.802	25	YES
908 14---12	12	(19.02)/.749	(13.97)/.550	(17.82)/.702	28	YES
908 14---10	10	(16.48)/.649	(11.43)/.450	(15.28)/.602	32	YES
908 14---08	8	(13.94)/.549	(8.89)/.350	(12.74)/.502	38	YES
908 14---06	6	(11.40)/.449	(6.35)/.250	(10.20)/.402	46	YES
908 14---04	4	(8.86)/.349	(3.81)/.150	(7.66)/.302	60	YES
PART NO.	NUMBER OF CKTS	DIMN. A	DIMN. B	DIMN. C	QUANTITY OF PARTS PER TUBE (-#0**/-#3**/-#6** & -#8** VERSIONS)	TOOLING

REDUCED CO-PL TOL EC NO: E2007-0304 DRYDEN DENNEY 2006/11/07 CHYK-DENNEY 2006/11/07 APPR: DENNEY 2006/11/13	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY DMCNAMAR	DATE 2001/08/16	TITLE PICO FLEX SMT HEADER				
			4 PLACES	±---	±---	CHECKED BY	DATE					
			3 PLACES	±---	±.004	PCURTIN	2001/08/16					
			2 PLACES	±0.10	±---	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED				
			1 PLACE	±---	±---	MILHITE	2001/08/16					
			ANGULAR ±1/2°			MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART		SDA-90814		1 OF 2		
REV			SIZE A		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



908 14--*34	34	(46.96)/.1849	(4.91)/.1650	(45.76)/.1802	(22.88)/.901
908 14--*26	26	(36.80)/.1449	(3.175)/.1250	(35.60)/.1402	(17.80)/.701
908 14--*24	24	(34.26)/.1349	(29.21)/.1150	(33.06)/.1302	(16.53)/.651
908 14--*22	22	(31.72)/.1249	(26.67)/.1050	(30.52)/.1202	(15.26)/.601
908 14--*20	20	(29.18)/.1149	(24.13)/.950	(27.98)/.1102	(13.99)/.551
908 14--*18	18	(26.64)/.1049	(21.59)/.850	(25.44)/.1002	(12.72)/.501
908 14--*16	16	(24.10)/.949	(19.05)/.750	(22.90)/.902	(11.45)/.451
908 14--*14	14	(21.56)/.849	(16.51)/.650	(20.36)/.802	(10.18)/.401
908 14--*12	12	(19.02)/.749	(13.97)/.550	(17.82)/.702	(8.91)/.351
908 14--*10	10	(16.48)/.649	(11.43)/.450	(15.28)/.602	(7.64)/.301
908 14--*08	8	(13.94)/.549	(8.89)/.350	(12.74)/.502	(6.37)/.251
908 14--*06	6	(11.40)/.449	(6.35)/.250	(10.20)/.402	(5.10)/.201
908 14--*04	4	(8.86)/.349	(3.81)/.150	(7.66)/.302	(3.83)/.151
PART NO.	NUMBER OF CKTS	DIMN. A	DIMN. B	DIMN. C	DIMN. D

ADDED PART FOOTPRINT EC NO: E2009-0235 DRAWN BY: JAMES CHKD: CHIKO APPR: IWALACE	2008/11/07 2008/11/10 2008/11/10	DESCRIPTION REV	QUALITY SYMBOLS ▼=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm INCH	DRAWN BY DATE DMCNAMAR 2001/08/23	TITLE PICOFLEX SMT HEADER					
				4 PLACES ± --- ± ---	CHECKED BY DATE BMAGUIRE 2001/08/23						
				3 PLACES ± --- ± ---	APPROVED BY DATE MWILHITE 2001/08/23		MOLEX INCORPORATED				
				2 PLACES ± 0.10 ± ---	MATERIAL NO.		DOCUMENT NO.			SHEET NO.	
				1 PLACE ± 0.2 ± ---	SEE CHART		SDA-90814			2 OF 2	
				ANGULAR ± 1/2°	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											