

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0908143916

Status:

Active

Overview:

[picoflex](#)

Description:

1.27mm (.050") Pitch Picoflex® PF-50 SMT Header, Vertical, Low Profile, Surface Mount, Gold, 16 Circuits, Glow Wire Compatible

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-99020-0011 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

UL

E29179

General

Product Family

Series

Application

Application Tooling Part Link

Comments

Overview

Product Name

PCB Headers

90814

Wire-to-Board

690081070

Low Profile SMT

[picoflex](#)

Picoflex®

Physical

Breakaway

Circuits (Loaded)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Flammability

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Resin

Number of Rows

Orientation

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Polarized to PCB

Shrouded

Stackable

Surface Mount Compatible (SMC)

No

16

Black, Natural

100

No

94V-0

Yes

No

None

Yes

Brass

Gold

High Temperature Thermoplastic

1

Vertical

Yes

Yes

0.063 In

1.60 mm

Tube

0.050 In

1.27 mm

0.050 In

1.27 mm

30.4

0.76

4

0.1

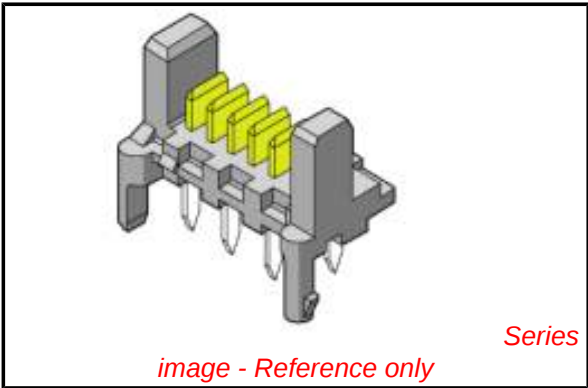
Yes

Yes

Open Ends

No

Yes



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

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

Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	2.4A
Voltage - Maximum	250V AC/DC

Solder Process Data

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

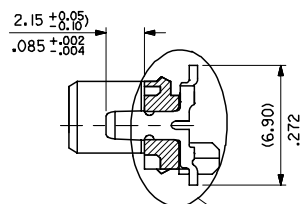
Material Info

Reference - Drawing Numbers

Packaging Specification	SDA-90814-9001
Product Specification	PS-99020-0011
Sales Drawing	SDA-90814

This document was generated on 06/08/2010

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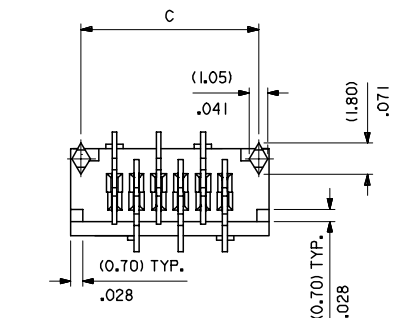


SEE NOTE 6

$$(0.00 \pm 0.10)$$

SEE NOTE 4

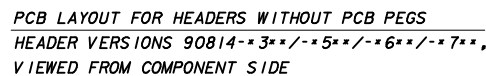
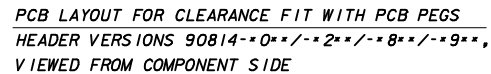
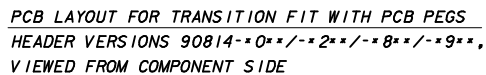
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7) PCB LAYOUT SHOWN ON SHEET 2

908 14-***34	34	(46.96)/.1849	(41.91)/.1650	(45.76)/.1802	10	NO
908 14-***26	26	(36.80)/.1449	(31.75)/.1250	(35.60)/.1402	14	YES
908 14-***24	24	(34.26)/.1349	(29.21)/.1150	(33.06)/.1302	15	YES
908 14-***22	22	(31.72)/.1249	(26.67)/.1050	(30.52)/.1202	16	YES
908 14-***20	20	(29.18)/.1149	(24.13)/.0950	(27.98)/.1102	18	YES
908 14-***18	18	(26.64)/.1049	(21.59)/.0850	(25.44)/.1002	20	YES
908 14-***16	16	(24.10)/.0949	(19.05)/.0750	(22.90)/.0902	22	YES
908 14-***14	14	(21.56)/.0849	(16.51)/.0650	(20.36)/.0802	25	YES
908 14-***12	12	(19.02)/.0749	(13.97)/.0550	(17.82)/.0702	28	YES
908 14-***10	10	(16.48)/.0649	(11.43)/.0450	(15.28)/.0602	32	YES
908 14-***08	8	(13.94)/.0549	(8.89)/.0350	(12.74)/.0502	38	YES
908 14-***06	6	(11.40)/.0449	(6.35)/.0250	(10.20)/.0402	46	YES
908 14-***04	4	(8.86)/.0349	(3.81)/.0150	(7.66)/.0302	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 DRW: DENNEY 2006/11/07 CHK: DUMARTY 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	DATE	TITLE			
		4 PLACES	±---	±---	DMCNAMAR	2001/08/16	PICOFLEX SMT HEADER			
		3 PLACES	±---	±.004	CHECKED BY	DATE				
		2 PLACES	±0.10	±---	PCURTIN	2001/08/16	MOLEX MOLEX INCORPORATED			
		1 PLACE	±---	±---	APPROVED BY	DATE				
		ANGULAR ±1/2°			MILHITE	2001/08/16	DOCUMENT NO.		SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.		SDA-90814		1 OF 2	
					SIZE A 2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



ADDED PART FOOTPRINT EC NO: E2009-0235 DRAWN BY: RNS CHKD: CHKO APPR: IWALACE 2008/11/07 2008/11/10 2008/11/10	DESCRIPTION P 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 DMCNAMAR	DATE 2001/08/23	TITLE PICO FLEX SMT HEADER		
			4 PLACES	± ---	± ---	CHECKED BY	DATE			
			3 PLACES	± ---	± ---	BMAGUIRE	2001/08/23			
			2 PLACES	± 0.10	± ---	APPROVED BY	DATE			
			1 PLACE	± 0.2	± ---	MWILHITE	2001/08/23	 MOLEX INCORPORATED		
			ANGULAR ± 1/2°		MATERIAL NO.		DOCUMENT NO.	SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SDA-90814			2 OF 2
					SIZE A2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			