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Part Number: [0908140814](#)
Status: **Active**
Overview: [picoflex](#)
Description: 1.27mm (.050") Pitch Picoflex® PF-50 SMT Header, Vertical, Low Profile, Surface Mount, Tin, 14 Circuits, Glow Wire Compatible

Documents:

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

Agency Certification

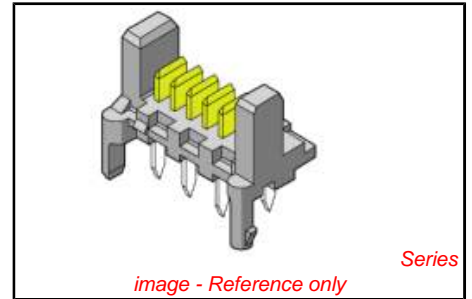
UL E29179

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)	14
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)	0.063 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
Pitch - Term. Interface (in)	0.050 In
Pitch - Term. 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	Open Ends
Stackable	No
Surface Mount Compatible (SMC)	Yes



EU RoHS **China RoHS**

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



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

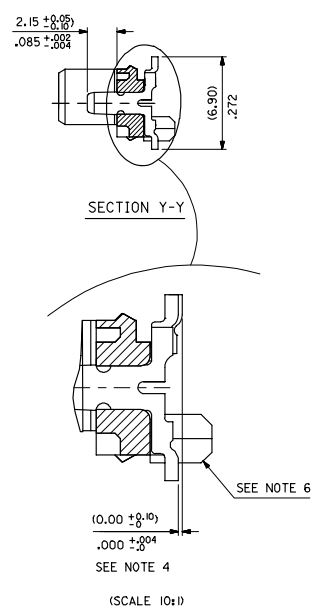
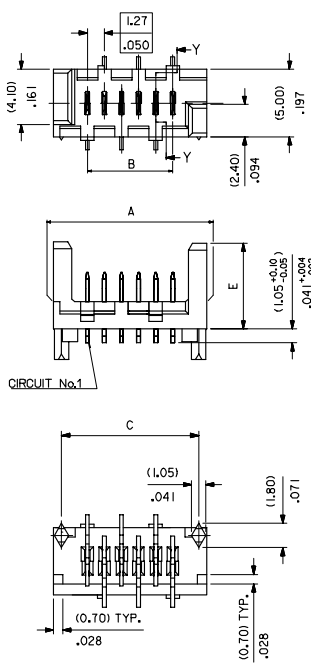
Material Info

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

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90814 - **

CIRCUIT SIZE

	PCB PEGS	TUBE PACKED	TAPE & REEL PACKED	POLARIZING PEG HEIGHT DIMN. E
0	YES	YES	NO	(6.40)/.252
2	YES	NO	YES	(6.40)/.252
3	NO	YES	NO	(6.40)/.252
5	NO	NO	YES	(6.40)/.252
6	NO	YES	NO	(4.10)/.161
7	NO	NO	YES	(4.10)/.161
8	YES	YES	NO	(4.10)/.161
9	YES	NO	YES	(4.10)/.161

0= (3-5UM)/I20-200UIN TIN VERSION
3= (0.76UM)/30UIN GOLD VERSION

90814-**-34	34	(46.96)/1.849	(41.91)/1.650	(45.76)/1.802	10	NO
90814-**-26	26	(36.80)/1.449	(31.75)/1.250	(35.60)/1.402	14	YES
90814-**-24	24	(34.26)/1.349	(29.21)/1.150	(33.06)/1.302	15	YES
90814-**-22	22	(31.72)/1.249	(26.67)/1.050	(30.52)/1.202	16	YES
90814-**-20	20	(29.18)/1.149	(24.13)/.950	(27.98)/1.102	18	YES
90814-**-18	18	(26.64)/1.049	(21.59)/.850	(25.44)/1.002	20	YES
90814-**-16	16	(24.10)/.949	(19.05)/.750	(22.90)/.902	22	YES
90814-**-14	14	(21.56)/.849	(16.51)/.650	(20.36)/.802	25	YES
90814-**-12	12	(19.02)/.749	(13.97)/.550	(17.82)/.702	28	YES
90814-**-10	10	(16.48)/.649	(11.43)/.450	(15.28)/.602	32	YES
90814-**-08	8	(13.94)/.549	(8.89)/.350	(12.74)/.502	38	YES
90814-**-06	6	(11.40)/.449	(6.35)/.250	(10.20)/.402	46	YES
90814-**-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)	TOOLED
90814-**-34	34	(46.96)/1.849	(41.91)/1.650	(45.76)/1.802	10	NO
90814-**-26	26	(36.80)/1.449	(31.75)/1.250	(35.60)/1.402	14	YES
90814-**-24	24	(34.26)/1.349	(29.21)/1.150	(33.06)/1.302	15	YES
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90814-**-04	4	(8.86)/.349	(3.81)/.150	(7.66)/.302	60	YES

- NOTES:
- MATERIAL: HOUSING: NYLON 4/6 30% G.F., UL 94 V-0, NATURAL (BEIGE) TERMINAL- CARTRIDGE BRASS (0.28)/.011 REF THICK
 - PLATING: TIN: TIN (3-5UM)/I20UIN-200UIN OVER (1.27UM)/5UIN MIN NICKEL. GOLD: (0.76UM)/30UIN SELECTIVE GOLD AND (0.10-0.20UM)/4UIN-8UIN GOLD FLASH OVER (1.27UM)/50UIN NICKEL UNDERCOAT
 - MATES WITH MOLEX 90327 PART SERIES
 - ALL SMT TAILS TO LIE WITHIN A COPLANARITY BAND OF (0.01)/.0 - (0.10)/.004 REF. FROM EACH OTHER.
 - FOR TAPE & REEL PACKAGING DETAILS SEE SDA-90814-9001
 - PCB PEGS ARE OPTIONAL
 - PCB LAYOUT SHOWN ON SHEET 2

REDUCED CO-PL TOL EC NO: E2007-0304 DRW: JENNIEHY 2006/11/07 CHK: MORIARTY 2006/11/07 APPR: JENNIEHY 2006/11/13 REV:	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	$\nabla=0$ $\nabla=0$	mm INCH 4 PLACES ±.--- ±.--- 3 PLACES ±.--- ±.004 2 PLACES ±.010 ±.--- 1 PLACE ±.--- ±.--- ANGULAR ±1/2°	MM/IN 5:1	METRIC	DRAWN BY: DMCNAMAR DATE: 2001/08/16 CHECKED BY: DATE: APPROVED BY: DATE: 2001/08/16 MATERIAL NO.: MILWHITE 2001/08/16	TITLE: PICO FLEX SMT HEADER	MOLEX INCORPORATED
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART	DOCUMENT NO.: SDA-90814	SHEET NO.: 1 OF 2	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	Rev. D 2004/04/02						

