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Part Number:

0908140606

Status:

Active

Overview:

[picoflex](#)

Description:

1.27mm (.050") Pitch Picoflex® PF-50 SMT Header, Vertical, Low Profile, Surface Mount, Tin, 6 Circuits, Glow Wire Compatible

Documents:

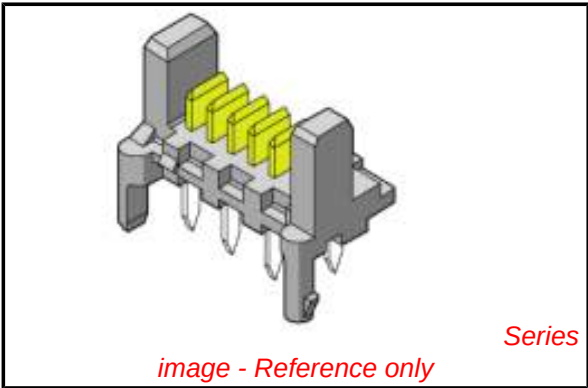
[3D Model](#)

[Drawing \(PDF\)](#)

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

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

Agency Certification	
UL	E29179
General	
Product Family	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)	6
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	No
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	No
Shrouded	Open Ends
Stackable	No
Surface Mount Compatible (SMC)	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

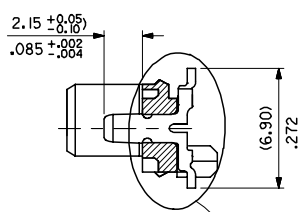
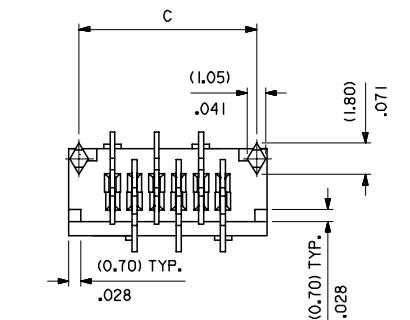
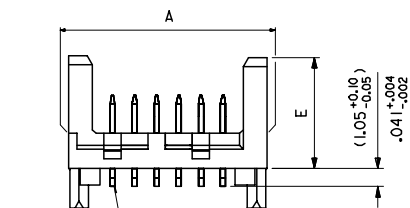
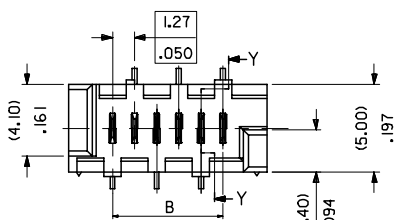
Material Info

Reference - Drawing Numbers

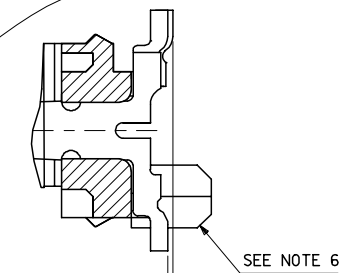
Packaging Specification	PK-90814-001
Product Specification	PS-99020-0011
Sales Drawing	SDA-90814

This document was generated on 05/26/2010

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SECTION Y-Y



(SCALE 10:1)

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)/120uin-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
(0.0)/.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

90814 -

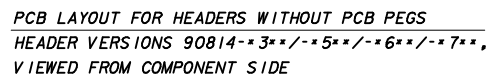
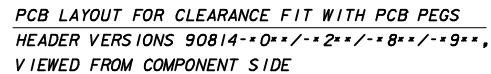
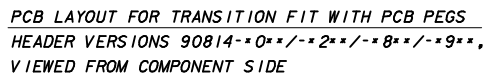
CIRCUIT SIZE

	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)/120-200UIN 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

REDUCED CO-PL TOL EC NO: E2007-0304 DRAWN: JENNEY 2006/11/07 CHKD: JENNEY 2006/11/07 APPR: JENNEY 2006/11/13	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		4 PLACES ± --- ± ---	mm INCH	DRAWN BY DMCNAMAR	DATE 2001/08/16	TITLE PICO FLEX SMT HEADER				
		3 PLACES ± --- ± .004		CHECKED BY PCURTIN	DATE 2001/08/16	MOLEX INCORPORATED				
		2 PLACES ± 0.10 ± ---		APPROVED BY MWILHITE	DATE 2001/08/16	MATERIAL NO. DOCUMENT NO. SDA-90814				
1 PLACE ± --- ± ---		ANGULAR ±1/2°		SEE CHART		SIZE A2		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								SHEET NO. 1 OF 2		



908 14--*34	34	(46.96)/.L849	(4.91)/.L650	(45.76)/.L802	(22.88)/.901
908 14--*26	26	(36.80)/.L449	(3.175)/.L250	(35.60)/.L402	(17.80)/.701
908 14--*24	24	(34.26)/.L349	(29.21)/.L150	(33.06)/.L302	(16.53)/.651
908 14--*22	22	(31.72)/.L249	(26.67)/.L050	(30.52)/.L202	(15.26)/.601
908 14--*20	20	(29.18)/.L149	(24.13)/.950	(27.98)/.L102	(13.99)/.551
908 14--*18	18	(26.64)/.L049	(21.59)/.850	(25.44)/.L002	(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 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 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											