

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0908003012](#)
Status: **Active**
Description: 1.27mm (.050") Pitch Picoflex® PF-50 Header, Right Angle, Low Profile, with Kinked PC Tails, 0.76µm (30µ") Gold (Au) Selective Plating, 12 Circuits

Documents:

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

General

Product Family PCB Headers
Series [90800](#)
Application Wire-to-Board
Product Name Picoflex®

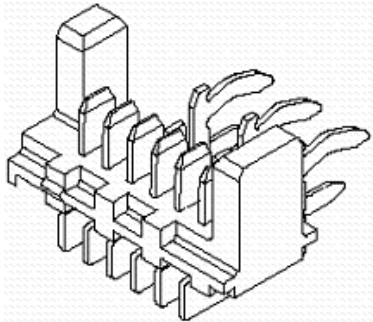
Physical

Breakaway No
Circuits (Loaded) 12
Color - Resin Black
Durability (mating cycles max) 100
First Mate / Last Break No
Glow-Wire Compliant No
Guide to Mating Part No
Keying to Mating Part None
Lock to Mating Part Yes
Material - Metal Brass
Material - Plating Mating Gold
Material - Resin Polyester
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) 30.4
Plating min: Mating (µm) 0.76
Plating min: Termination (µin) 4
Plating min: Termination (µm) 0.1
Polarized to Mating Part Yes
Polarized to PCB No
Shrouded Open Ends
Stackable No
Surface Mount Compatible (SMC) No
Temperature Range - Operating -40°C to +105°C
Termination Interface: Style Through Hole - Kinked Pin

Electrical

Current - Maximum per Contact 1.2A
Voltage - Maximum 250V AC/DC

Solder Process Data



*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
[90800Series](#)

Mates With
[90327](#) IDT Connector

Lead-free Process Capability

Wave Capable (TH only)

Material Info

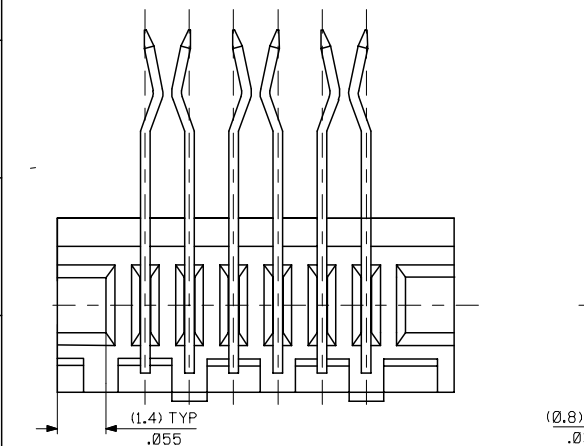
Reference - Drawing Numbers

Sales Drawing

SDA-90800E

This document was generated on 04/09/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



90800 - π 0 **

CIRCUIT SIZE

0= (3-5UM) / 120-200UIN TIN VERSION

3= (0.76UM) / 30UIN GOLD VERSION

90800--026	26	(36.80)/1.449	(31.75)/1.250	14	YES
90800--024	24	(34.26)/1.349	(29.21)/1.150	15	YES
90800--022	22	(31.72)/1.249	(26.67)/1.050	16	YES
90800--020	20	(29.18)/1.149	(24.13)/.950	18	YES
90800--018	18	(26.64)/1.049	(21.59)/.850	20	YES
90800--016	16	(24.10)/.949	(19.05)/.750	22	YES
90800--014	14	(21.56)/.849	(16.51)/.650	24	YES
90800--012	12	(19.02)/.749	(13.97)/.550	28	YES
90800--010	10	(16.48)/.649	(11.43)/.450	32	YES
90800--008	8	(13.94)/.549	(8.89)/.350	38	YES
90800--006	6	(11.40)/.449	(6.35)/.250	46	YES
90800--004	4	(8.86)/.349	(3.81)/.150	59	YES
PART NO.	NO. OF CKTS	DIMN. A	DIMN. B	QTY PER TUBE	TOOLED

NOTES:

1) MATERIAL: HOUSING-POLYESTER PBT 15% G.F., UL 94 V-0, BLACK.
TERMINAL- CARTRIDGE BRASS (0.28)/.011 REF THICK

2) SEE PRODUCT SPECIFICATION PS-99020-0011.

ADD CKT.1 INDICATOR EC NO: E2007-0083 DRAWING NO: 2006/09/11 CHKD: J. DENNEHY 2006/09/11 APPR: J. DENNEHY 2006/09/11	DESCRIPTION	QUALITY SYMBOLS ▽=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY PK	DATE 1994/01/28	TITLE RIGHT ANGLE STRAGGERED PICO FLEX HEADER ASSY (1.25)/.050 CENTRES MOLEX INCORPORATED				
			4 PLACES ±---	±.004	CHECKED BY J. DENNEHY	DATE					
			3 PLACES ±---	±.004	APPROVED BY J. DENNEHY	DATE					
			2 PLACES ±0.10	±---	MATERIAL NO.		DOCUMENT NO. SDA-90800E		SHEET NO. 1 OF 1		
			1 PLACE ±---	±---	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		ANGULAR ±1/2°						