molex
one company > a world of innovation

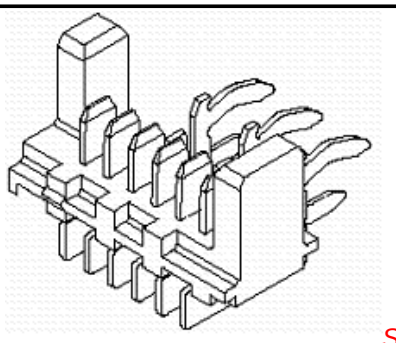
This document was generated on 04/23/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0908000018

Status: Active

Description: 1.27mm (.050") Pitch Picoflex® PF-50 Header, Right Angle, Low Profile, with Kinked PC Tails, 18 Circuits



Series image - Reference only

Documents:

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

General

Product Family	PCB Headers
Series	90800
Application	Wire-to-Board
Comments	Low Profile
Product Name	Picoflex®

Physical

Breakaway	No
Circuits (Loaded)	18
Color - Resin	Black
Durability (mating cycles max)	30
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	Tin
Material - Resin	Polyester
Number of Rows	1
Orientation	Vertical
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)	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

Solder Process Data

Lead-free Process Capability	Wave Capable (TH only)

Material Info

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
90800Series

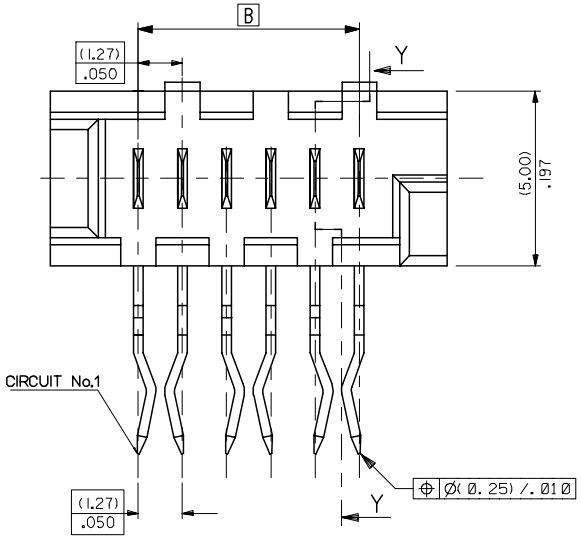
Mates With
90327 IDT Connector

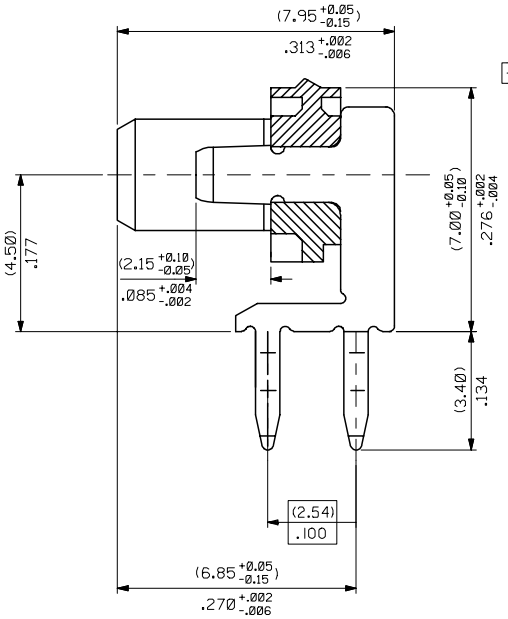
Reference - Drawing Numbers

Product Specification	PS-99020-0011
Sales Drawing	SDA-90800E

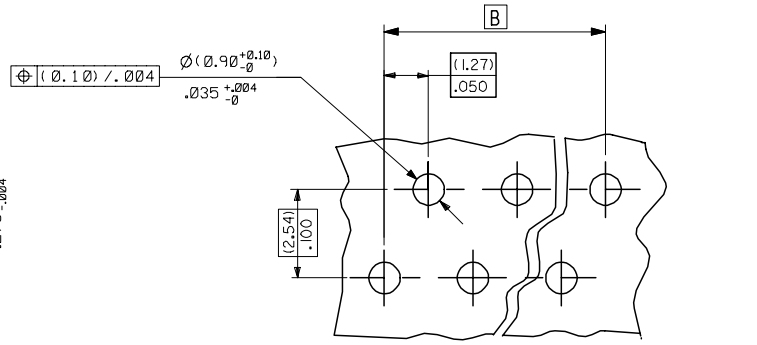
This document was generated on 04/23/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



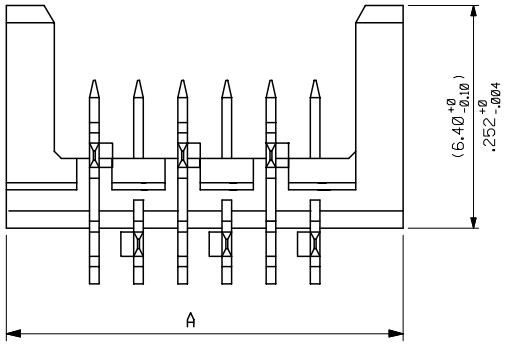


SECTION Y-Y



RECOMMENDED P.C.B. LAYOUT FROM COMPONENT SIDE

(PCB THICKNESS (1.60 ±0.20)/.063 ±.008

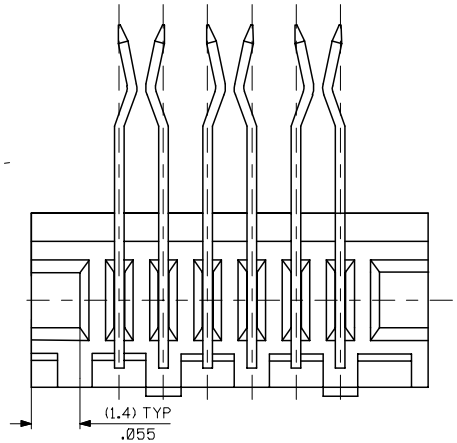


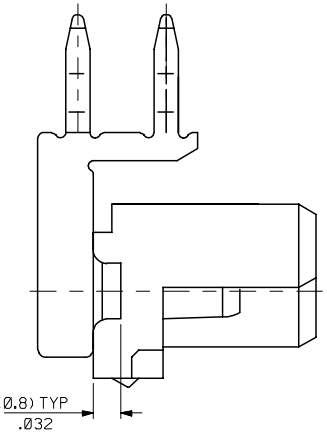
4.10

90800 - x 0 xx

- 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
DRWN:DWASZKIEWICZ 2006/09/11
CH'KD:J.DENNEHY 2006/09/11
APPR: J.DENNEHY 2006/09/13
REV G
DESCRIPTION

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .004
2 PLACES	± 0.10	± ---
1 PLACE	± ---	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 10:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: PK DATE: 1994/01/28
CHECKED BY: J.DENNEHY DATE:
APPROVED BY: J.DENNEHY DATE:
MATERIAL NO.: SEE CHART

TITLE: RIGHT ANGLE STRAGGERED PICOFLEX HEADER ASSY (1.25)/.050 CENTRES

MOLEX INCORPORATED

DOCUMENT NO.: SDA-90800E
SHEET NO.: 1 OF 1
SIZE: A2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION