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Part Number:

0908003020

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, 20 Circuits

Documents:

3D Model

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

General

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

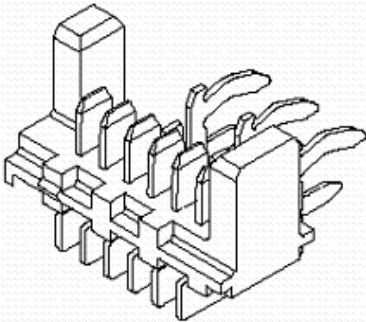
Physical

Breakaway	No
Circuits (Loaded)	20
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

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

Lead-free Process Capability

Wave Capable (TH only)

Material Info

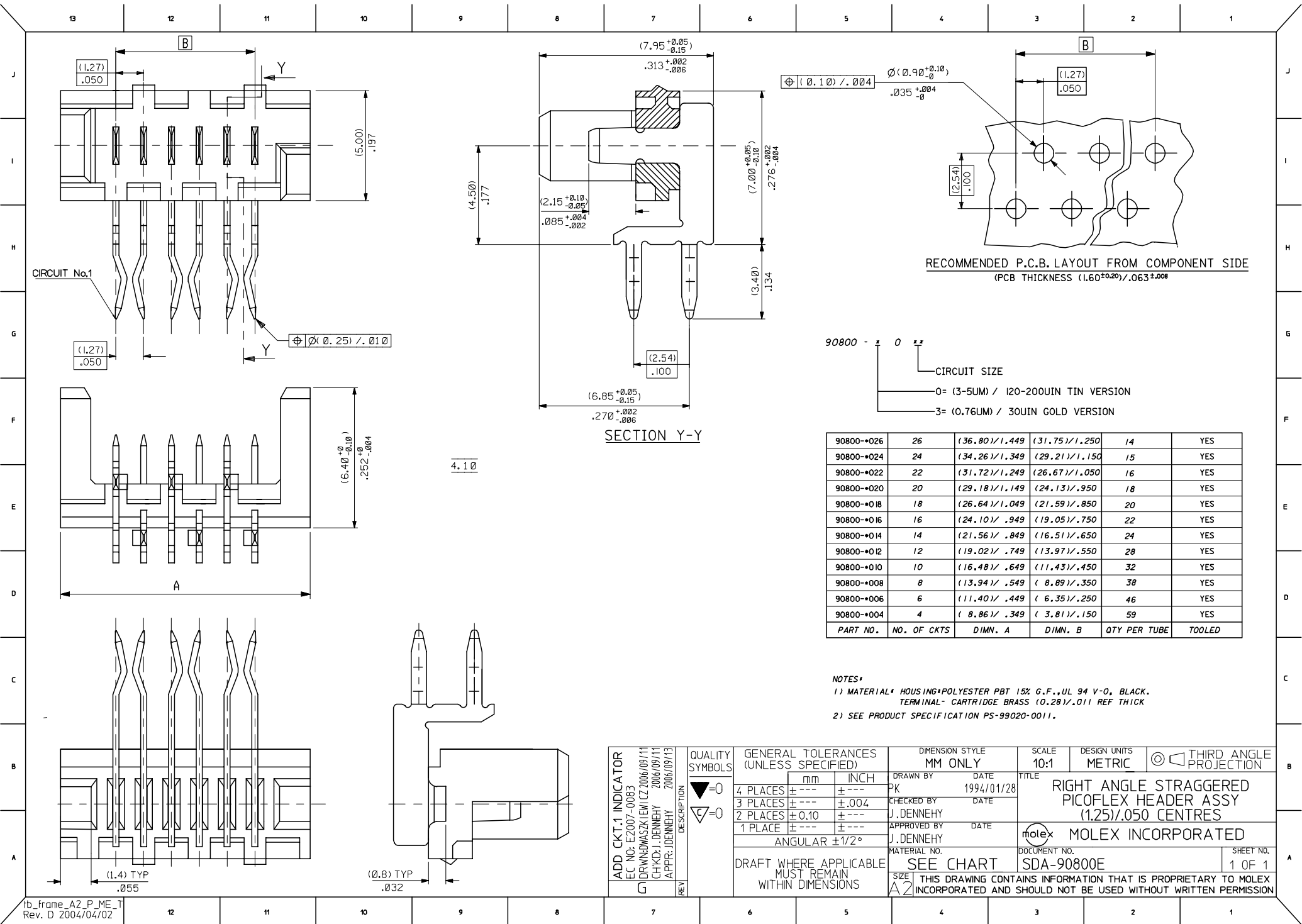
Reference - Drawing Numbers

Sales Drawing

SDA-90800E

This document was generated on 04/23/2010

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RECOMMENDED P.C.B. LAYOUT FROM COMPONENT SIDE
(PCB THICKNESS (1.60^{+0.20})/.063^{±.008})

90800 - * 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 (.028)/.011 REF THICK
2) SEE PRODUCT SPECIFICATION PS-99020-0011.

ADD CKT.1 INDICATOR
EC NO: E2007-0083
DRWN: WASZKIEWICZ 2006/09/11
CHKD: J. DENNEHY 2006/09/11
APPR: IDENNEHY 2006/09/13

DESCRIPTION

REV

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

DRAWN BY DATE
PK 1994/01/28

CHECKED BY DATE
J. DENNEHY

APPROVED BY DATE
J. DENNEHY

MATERIAL NO.

DOCUMENT NO.
SDA-90800E

SHEET NO.
1 OF 1

THIRD ANGLE PROJECTION

RIGHT ANGLE STRAGGERED
PICO FLEX HEADER ASSY
(1.25)/.050 CENTRES

MOLEX INCORPORATED

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