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Part Number:

0908000016

Status:

Active

Description:

1.27mm (.050") Pitch Picoflex® PF-50 Header, Right Angle, Low Profile, with Kinked PC Tails, 16 Circuits

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)              | 16                        |
| 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 |

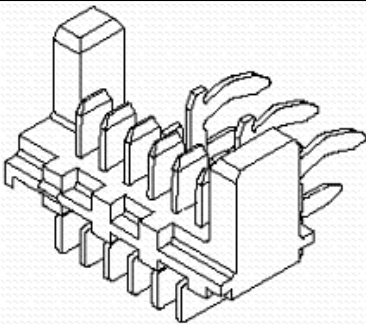
Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 1.2A |
| Voltage - Maximum             | 250V |

Solder Process Data

|                              |                        |
|------------------------------|------------------------|
| Lead-free Process Capability | Wave Capable (TH only) |
|------------------------------|------------------------|

Material Info



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](mailto: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

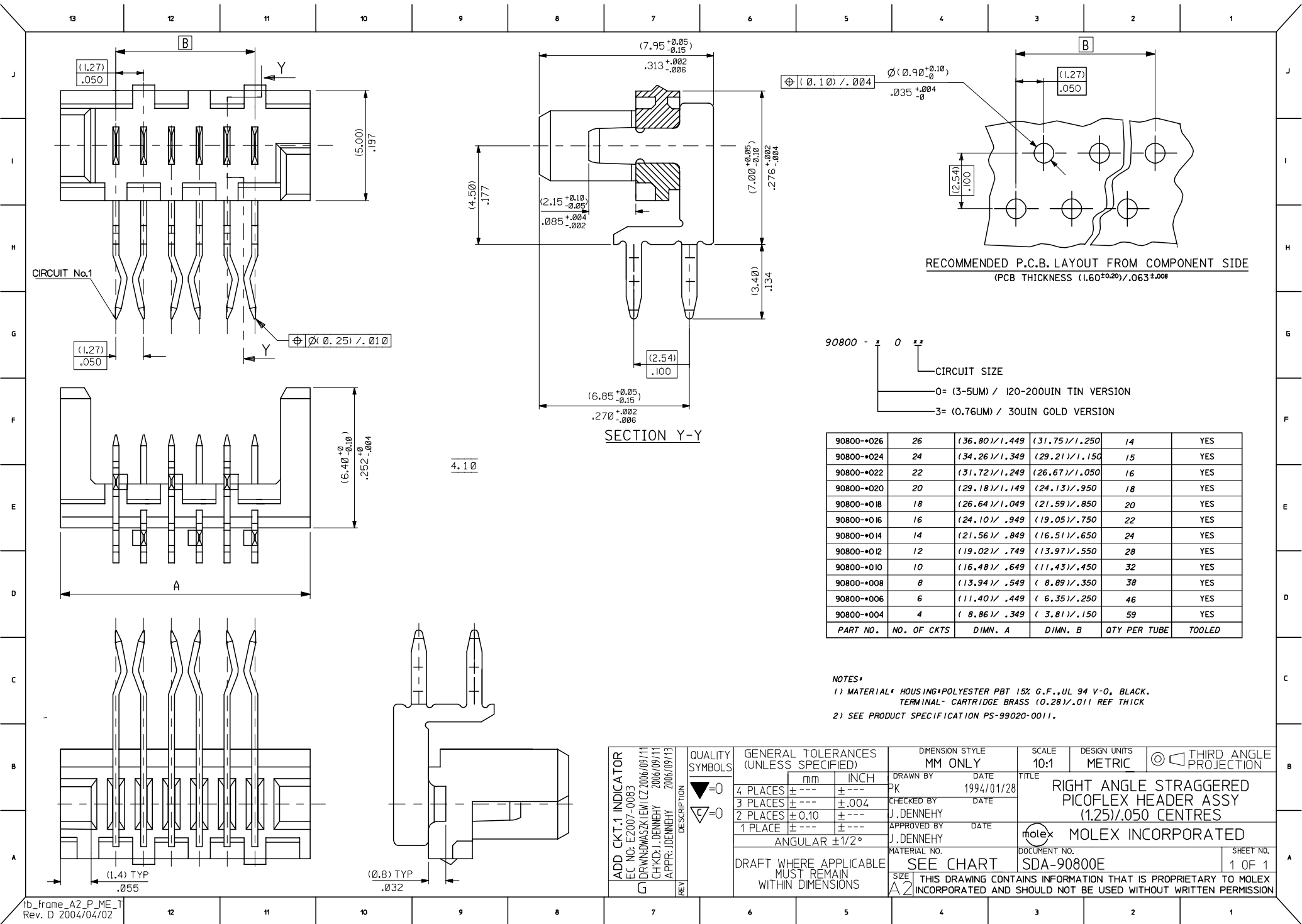
**Reference - Drawing Numbers**

Product Specification  
Sales Drawing

PS-99020-0011  
SDA-90800E

This document was generated on 04/23/2010

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|           |             |               |               |              |        |
|-----------|-------------|---------------|---------------|--------------|--------|
| 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<br>EC NO: E2007-0083<br>G DRWN: WASZK IEWICZ 2006/09/11<br>CHKD: J. DENNEHY 2006/09/11<br>APPR: J. DENNEHY 2006/09/13 | QUALITY SYMBOLS<br>▽=0<br>▽=0 | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED)                |        | DIMENSION STYLE<br>MM ONLY |                    | SCALE<br>10:1                                                                                   | DESIGN UNITS<br>METRIC |  THIRD ANGLE PROJECTION |              |           |
|                                                                                                                                           |                               |             | mm                                                   | INCH   | DRAWN BY<br>PK             | DATE<br>1994/01/28 | TITLE<br>RIGHT ANGLE STRAGGERED PICO FLEX HEADER ASSY (1.25)/.050 CENTRES<br>MOLEX INCORPORATED |                        |                                                                                                              |              |           |
|                                                                                                                                           |                               |             | 4 PLACES ± ---                                       | ± ---  | CHECKED BY<br>J. DENNEHY   | DATE               |                                                                                                 |                        |                                                                                                              |              |           |
|                                                                                                                                           |                               |             | 3 PLACES ± ---                                       | ± .004 | APPROVED BY<br>J. DENNEHY  | DATE               |                                                                                                 |                        |                                                                                                              |              |           |
|                                                                                                                                           |                               |             | 2 PLACES ± 0.10                                      | ± ---  | MATERIAL NO.               |                    |                                                                                                 |                        |                                                                                                              | DOCUMENT NO. | SHEET NO. |
|                                                                                                                                           |                               |             | 1 PLACE ± ---                                        | ± ---  | SEE CHART                  |                    |                                                                                                 |                        |                                                                                                              | SDA-90800E   | 1 OF 1    |
|                                                                                                                                           |                               |             | ANGULAR ±1/2°                                        |        |                            |                    |                                                                                                 |                        |                                                                                                              |              |           |
|                                                                                                                                           |                               |             | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |        |                            |                    |                                                                                                 |                        |                                                                                                              |              |           |