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Part Number:

90816-0022

Status:

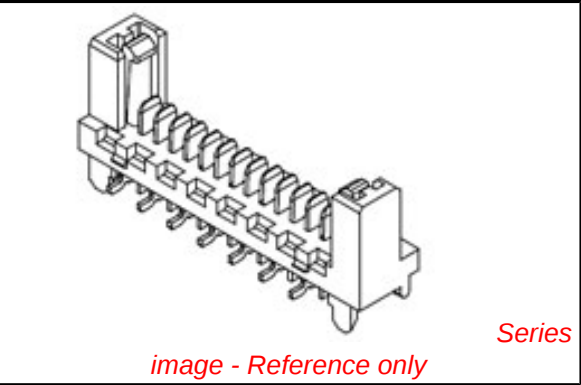
Active

Overview:

Picoflex® Connectors

Description:

Picoflex® SMT Latched Vertical Header with PCB Pegs, 22 Circuits, Tin (Sn) Plating, Black



Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

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

[Packaging Specification PK-90816-001 \(PDF\)](#)

[Test Summary TS-90816-001 \(PDF\)](#)

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

|                                |                       |
|--------------------------------|-----------------------|
| General                        |                       |
| Product Family                 | PCB Headers           |
| Series                         | 90816                 |
| Application                    | Signal, Wire-to-Board |
| Overview                       | Picoflex® Connectors  |
| Product Name                   | Picoflex®             |
| UPC                            | 883906498894          |
| Physical                       |                       |
| Breakaway                      | No                    |
| Circuits (Loaded)              | 22                    |
| Circuits (maximum)             | 22                    |
| Color - Resin                  | Black                 |
| Durability (mating cycles max) | 5                     |
| First Mate / Last Break        | No                    |
| Glow-Wire Compliant            | No                    |
| Guide to Mating Part           | No                    |
| Keying to Mating Part          | N/A                   |
| Lock to Mating Part            | Yes                   |
| Material - Metal               | Brass                 |
| Material - Plating Mating      | Tin                   |
| Material - Plating Termination | Nickel                |
| Material - Resin               | Nylon                 |
| Net Weight                     | 1.078/g               |
| Number of Rows                 | 1                     |
| Orientation                    | Vertical              |
| PC Tail Length                 | 1.05mm                |
| PCB Locator                    | Yes                   |
| PCB Retention                  | None                  |
| PCB Thickness - Recommended    | 1.60mm                |
| Packaging Type                 | Tube                  |
| Pitch - Mating Interface       | 1.27mm                |
| Pitch - Termination Interface  | 1.27mm                |
| Plating min - Mating           | 0.076µm               |
| Polarized to Mating Part       | Yes                   |
| Polarized to PCB               | Yes                   |
| Shrouded                       | Partial               |
| Stackable                      | No                    |
| Surface Mount Compatible (SMC) | Yes                   |
| Temperature Range - Operating  | -40°C to +105°C       |
| Termination Interface: Style   | Surface Mount         |
| Electrical                     |                       |
| Current - Maximum per Contact  | 1.2A                  |
| Voltage - Maximum              | 250V                  |

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Low-Halogen Status

Low-Halogen

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

90816Series

Mates With

90327 Picoflex® PF-50

**Solder Process Data**

|                                                |                           |
|------------------------------------------------|---------------------------|
| Duration at Max. Process Temperature (seconds) | 10                        |
| Lead-free Process Capability                   | Reflow Capable (SMT only) |
| Max. Cycles at Max. Process Temperature        | 3                         |
| Process Temperature max. C                     | 260                       |

**Material Info**

**Reference - Drawing Numbers**

|                         |               |
|-------------------------|---------------|
| Packaging Specification | PK-90816-001  |
| Product Specification   | PS-99020-0011 |
| Sales Drawing           | SD-90816-001  |
| Test Summary            | TS-90816-001  |

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