

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [90816-0218](#)  
**Status:** **Active**  
**Overview:** [Picoflex® Connectors](#)  
**Description:** 1.27mm Pitch Picoflex® SMT Latched Vertical Header with PCB Pegs, 18 Circuits, Tin (Sn) Plating, Black

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-90816-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary TS-90816-001 (PDF)</a>
<a href="#">Product Specification PS-99020-0011 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>



**General**


Product Family	PCB Headers
Series	<a href="#">90816</a>
Application	Signal, Wire-to-Board
Overview	<a href="#">Picoflex® Connectors</a>
Product Name	Picoflex®
UPC	883906498979

**Physical**

Breakaway	No
Circuits (Loaded)	18
Circuits (maximum)	18
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	1.037/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	Embossed Tape on Reel
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

<b>EU RoHS</b> <b>ELV and RoHS</b> <b>Compliant</b> <b>REACH SVHC</b> <b>Contains SVHC: No</b> <b>Low-Halogen Status</b> <b>Not Low-Halogen</b>	<b>China RoHS</b> 
---	--

**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](#)

## 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

This document was generated on 06/05/2013

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**