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Part Number: [90816-0512](#)
Status: **Active**
Overview: [Picoflex® Connectors](#)
Description: 1.27mm Pitch Picoflex® SMT Latched Vertical Header without PCB Pegs, 12 Circuits, Tin (Sn) Plating, Black

Documents:

3D Model	Packaging Specification PK-90816-001 (PDF)
Drawing (PDF)	Test Summary TS-90816-001 (PDF)
Product Specification PS-99020-0011 (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	883906499174

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
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	0.691/g
Number of Rows	1
Orientation	Vertical
PC Tail Length	1.05mm
PCB Locator	No
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

EU RoHS

ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Low-Halogen Status
Not Low-Halogen

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

[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

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