

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0908160008

Status:

Active

Description:

1.27mm (.050") Pitch Picoflex® SMT Latched Vertical Header, 8 Circuits, Tin (Sn) Plating, Black

Documents:

3D Model

Drawing (PDF)

Product Specification PS-99020-0011 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Product Name

PCB Headers

90816

Wire-to-Board

Picoflex®

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Polarized to Mating Part

Polarized to PCB

Shrouded

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

No

8

8

Black

5

No

No

Yes

N/A

Yes

Brass

Tin

Nickel

Nylon

1

Vertical

0.041 In

1.05 mm

Yes

None

0.063 In

1.60 mm

Tube

0.050 In

1.27 mm

0.050 In

1.27 mm

3

Yes

Yes

Partial

No

Yes

-40°C to +105°C

Surface Mount

Electrical

Current - Maximum per Contact

Voltage - Maximum

1.2A

250V

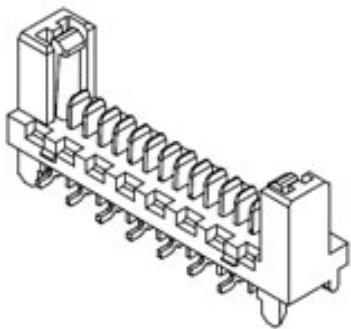


image - Reference only

Series

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

90816Series

Mates With

90327 Picoflex® PF-50

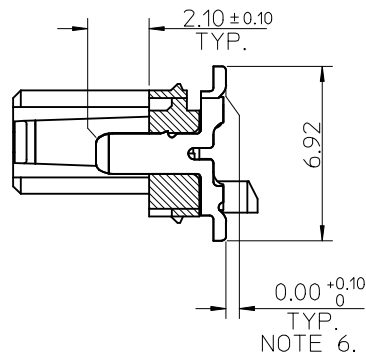
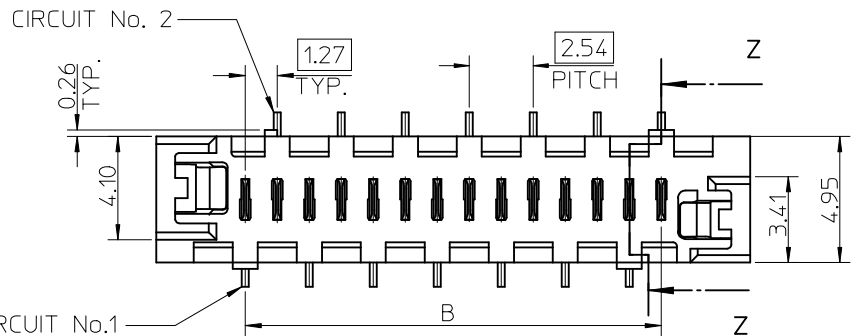
Material Info

Reference - Drawing Numbers

Product Specification	PS-99020-0011
Sales Drawing	SD-90816-001

This document was generated on 04/23/2010

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14 CIRCUIT SHOWN
FOR ILLUSTRATION
ONLY.

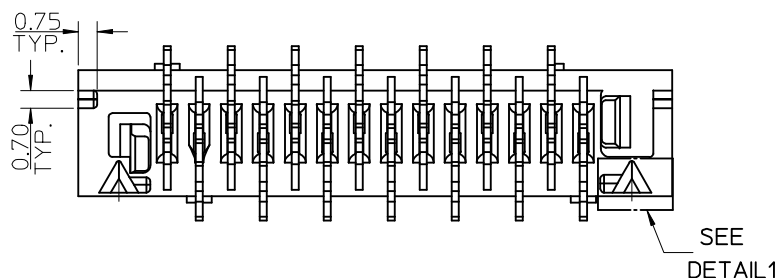
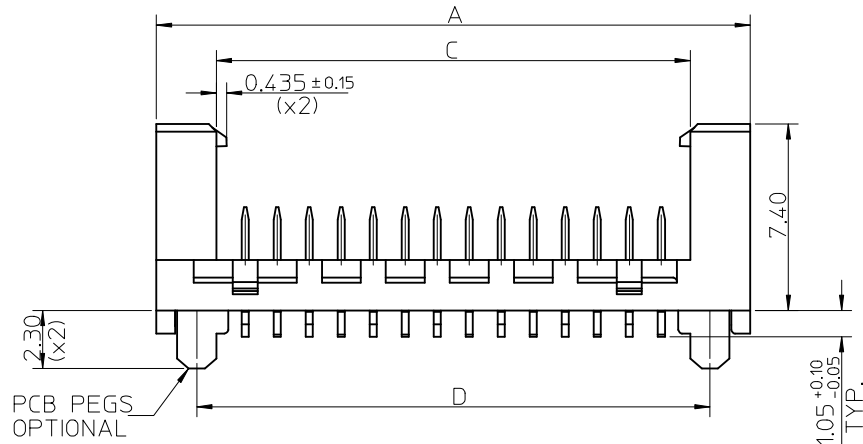
PART NO.	NUMBER OF CKTS	DIMN. A	DIMN. B	DIMN. C	DIMN. D	
90816-**-04	4	10.86	3.81	6.11	7.66	NOTE 7
90816-**-06	6	13.40	6.35	8.65	10.20	
90816-**-08	8	15.94	8.89	11.19	12.74	
90816-**-10	10	18.48	11.43	13.73	15.28	
90816-**-12	12	21.02	13.97	16.27	17.82	
90816-**-14	14	23.56	16.51	18.81	20.36	
90816-**-16	16	26.10	19.05	21.35	22.90	
90816-**-18	18	28.64	21.59	23.89	25.44	
90816-**-20	20	31.18	24.13	26.43	27.98	
90816-**-22	22	33.72	26.67	28.97	30.52	
90816-**-24	24	36.26	29.21	31.51	33.06	
90816-**-26	26	38.80	31.75	34.05	35.60	

90816 - * * * *

CIRCUIT SIZE.

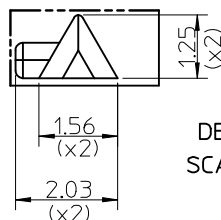
	PCB PEGS	TUBE PACKED	TAPE & REEL PACKED
0	YES	YES	NO
2	YES	NO	YES
3	NO	YES	NO
5	NO	NO	YES

0 = TIN VERSION
3 = GOLD VERSION



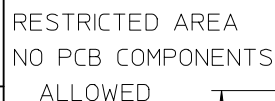
NOTES:

- 1- MATERIAL
HOUSING: PPA, GLASS-FILLED, COLOUR: BLACK
TERMINAL: BRASS
- 2- FINISHES: TERMINAL
GOLD: CONTACT AREA: SELECTIVE GOLD, 0.76 MICRONS MINIMUM,
SMT TAILS: GOLD FLASH, 0.10 MICRONS GOLD FLASH OVER
NICKEL UNDERPLATE.
TIN: 3 MICRONS MINIMUM OVER NICKEL UNDERPLATE.
- 3- PRODUCT SPECIFICATION: PS-99020-0011
- 4- PACKAGING SPECIFICATION: FOR TAPE AND REEL SEE: PK-90816-006
FOR TUBE SEE: PK-90816-007
- 5- MATES WITH MOLEX 90327 PART SERIES.
- 6- ALL SMT TAILS TO LIE WITHIN A COPLANARITY BAND
OF 0 - 0.10 MICROMETER REF. FROM EACH OTHER.
- 7- 4 CIRCUIT PART NOT AVAILABLE IN TAPE AND REEL.



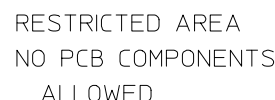
DETAIL1
SCALE 10:1

ADDED NOTE 7 EC NO: E2009-0207 2008/11/10 DRWN: DBYRNES CHKD: 2008/11/10 APPR: J WALLACE 2008/11/11	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION					
			MM ONLY		5:1	METRIC						
					TITLE		PICOFLEX SMT LATCHED HEADER					
					DRAWN BY DATE		D. BYRNES 2008/08/16					
					CHECKED BY DATE		JD WALLACE 2008/08/26					
					APPROVED BY DATE		JD WALLACE 2008/08/27					
					MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
					SEE CHART		SD-90816-001		1 OF 2			
					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							



RECOMMENDED PCB THICKNESS 1.60±0.14
PCB LAYOUT FOR CLEARANCE FIT WITH PCB PEGS

HEADER VERSIONS 90816-*0**/*2**
VIEWED FROM COMPONENT SIDE
6CKT PART SHOWN FOR REFERENCE



RECOMMENDED PCB THICKNESS 1.60±0.14
PCB LAYOUT WITHOUT PCB PEGS
HEADER VERSIONS 90816-~~3~~**/*5**
VIEWED FROM COMPONENT SIDE
6CKT PART SHOWN FOR REFERENCE

SEE SHEET 1 EC NO: E2009-0207 DRWN: DBYRNES CHK'D: JMWALLACE APPR: JMWALLACE	2008/11/10 2008/11/10 2008/11/11 2008/11/11	DESCRIPTION	REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
						mm	INCH	DRAWN BY D.BYRNES	DATE 2008/08/16	TITLE PICOFLEX SMT LATCHED HEADER	
					4 PLACES	± ---	± ---	CHECKED BY JDWALLACE	DATE 2008/08/26		
					3 PLACES	± ---	± ---	APPROVED BY JDWALLACE	DATE 2008/08/27		
					2 PLACES	± 0.25	± ---	MOLEX MOLEX INCORPORATED			
				1 PLACE	± 0.35	± ---	ANGULAR ± 2 °		MATERIAL NO. SEE SHEET 1	DOCUMENT NO. SD-90816-001	SHEET NO. 2 OF 2
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						
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