

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

**Part Number:** [0010181122](#)  
**Status:** **Active**  
**Description:** 2.36mm (.093") Diameter Standard .093" Pin and Socket Header, 3 Rows, Shrouded, Unfilled Polyester, UL 94V-0, 12 Circuits, 12 Female Terminals

**Documents:**

[3D Model](#)  
[Drawing \(PDF\)](#)

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

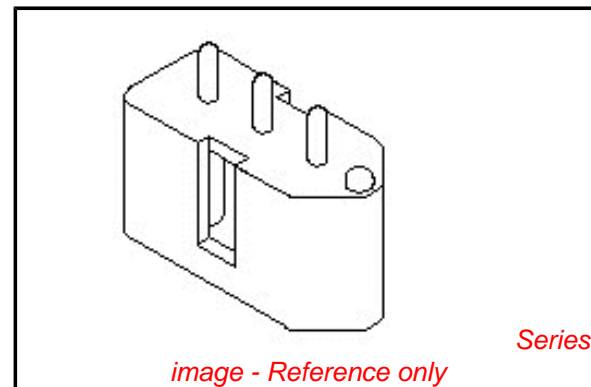
**General**

Product Family	PCB Headers
Series	3099
Application	Wire-to-Board
Comments	Solder Type, Round Socket
Product Name	Standard .093"

**Physical**

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Circuits Detail	12 Female Socket Contacts
Color - Resin	Black
Durability (mating cycles max)	25
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	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	3
Orientation	Vertical
PC Tail Length (in)	0.170 In
PC Tail Length (mm)	4.32 mm
PCB Locator	Yes
PCB Retention	None
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Bag
Pitch - Mating Interface (in)	0.198 In
Pitch - Mating Interface (mm)	5.03 mm
Plating min: Mating (µin)	50
Plating min: Mating (µm)	1.25
Plating min: Termination (µin)	50
Plating min: Termination (µm)	1.25
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

**Electrical**



**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC  
Not Reviewed**  
**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**

[3099Series](#)

**Mates With**

[03-09-1125](#) , [03-09-1126](#)

Current - Maximum per Contact  
Voltage - Maximum

5A  
250V

**Material Info**

Old Part Number

A30991203

**Reference - Drawing Numbers**

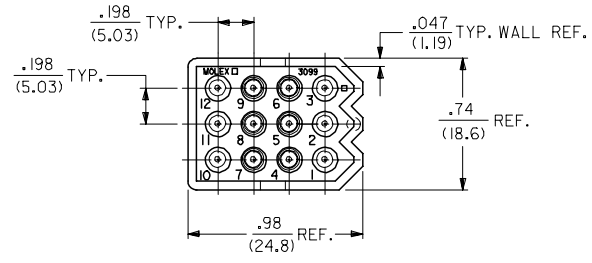
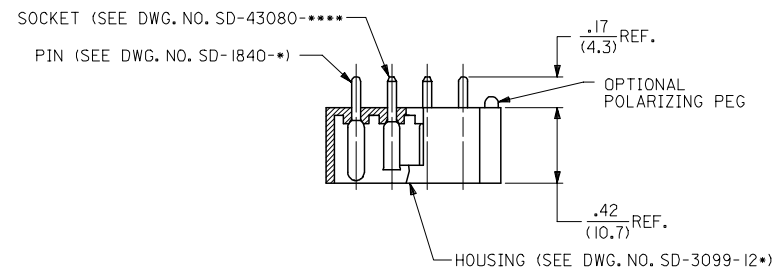
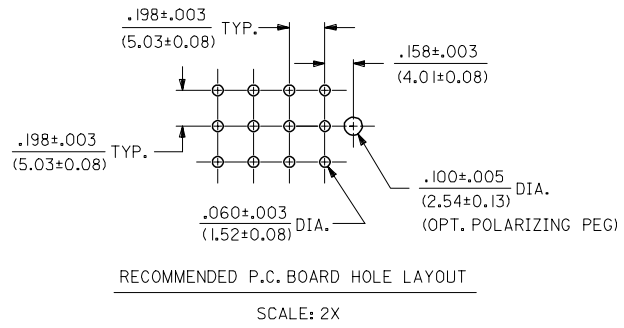
Sales Drawing

SDA-3099-12\*\*

This document was generated on 04/20/2010

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	13	12	11	10	9	8	7	6	5	4	3	2	1							
	PART NO.	ENG. NUMBER	LOCATION (SEE CHART)	MAT'L	POLAR. PEG	PLATING (SEE CHART)	TERMINAL LOCATION CHART (M=MALE, F=FEMALE, B=BLANK)						PLATING CODE	PLATING						
J	10-18-1120	A-3099-1201	A	V-0	YES	B	CIRCUIT LOCATION						A	UNPLATED	J					
	10-18-1121	A-3099-1202	B	V-0	YES	B	TERM. LOC. CODE	1	2	3	4	5	6	7	8	9	10	11	12	
	10-18-1122	A-3099-1203	C	V-0	YES	B	A	M	M	M	M	M	M	M	M	M	M	M	M	
I							B	M	M	F	M	M	M	M	M	M	M	M	M	
							C	F	F	F	F	F	F	F	F	F	F	F	F	
H																				
G																				
F																				
E																				
D																				
C																				
B																				
A																				



- MATERIAL:  
HOUSING: UNFILLED POLYESTER, 94V-0, COLOR-BLACK  
PIN TERMINAL: CARTRIDGE BRASS  
SOCKET TERMINAL: PHOSPHOR BRONZE
- FINISH: SEE TABLE
- PRODUCT SPECIFICATION: N/A
- PACKAGING SPECIFICATION: N/A
- MATES WITH MOLEX 1490 RECEPTACLES AND .093(2.36) SERIES TERMINALS
- ASSEMBLIES TO BE MOUNTED ON SUPPORTED EDGE OF P.C. BOARD
- WHERE MALE TERMINALS ARE USED, MATING CONNECTOR TO USE FEMALE TERMINAL WITH CLOSED SLOT IN BARREL.

UPDATE PLATING EC NO: UCP2006-2825 DRAWN/PRI/DOR 2006/06/08 CHKD: AEL/HAG 2006/06/09 APPR: FSM/TH 2006/06/12	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
		mm	INCH	DRAWN BY GEP	DATE 1989/05/25	TITLE CONNECTOR ASSEMBLY ENCLOSED WAFER 12 CIRCUIT			
E2	DESCRIPTION	4 PLACES ± --- ± ---	3 PLACES ± --- ± .010	CHECKED BY RW	DATE 1989/05/25	MOLEX MOLEX INCORPORATED			
		2 PLACES ± 0.25 ± .014	1 PLACE ± 0.35 ± ---	APPROVED BY RAS	DATE 1989/05/25				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ±1/2°		MATERIAL NO. SEE CHART		DOCUMENT NO. SDA-3099-12**	SHEET NO. 1 OF 1		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									