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Part Number: [0010181091](#)
Status: **Active**
Description: 2.36mm (.093") Diameter Standard .093" Pin and Socket Header, 3 Rows, Shrouded, Unfilled Polyester, UL 94V-0, 9 Circuits, 9 Female Terminals

Documents:

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

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

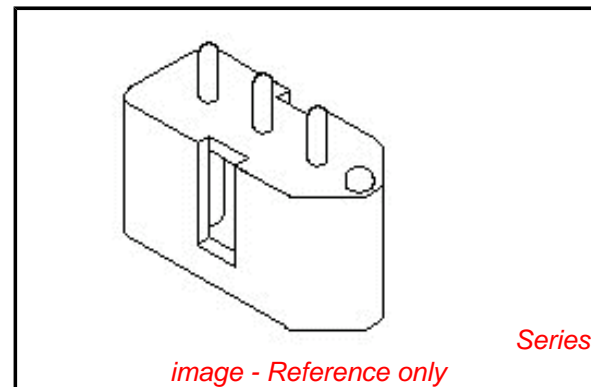
General

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

Physical

Breakaway	No
Circuits (Loaded)	9
Circuits (maximum)	9
Circuits Detail	9 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
 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

[03-09-1091](#) , [03-09-1094](#)

Current - Maximum per Contact
Voltage - Maximum

5A
250V

Material Info

Old Part Number

A30990902

Reference - Drawing Numbers

Sales Drawing

SDA-3099-09**

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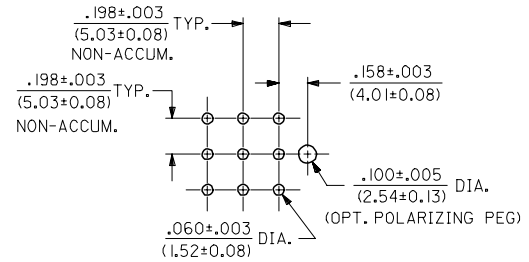
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PART NO.	ENG. NUMBER	TERMINAL LOCATION (SEE CHART)	MAT'L	POLAR. PEG	PLATING (SEE CHART)
10-18-1090	A-3099-0901	A	V-O	YES	B
10-18-1091	A-3099-0902	B	V-O	YES	B

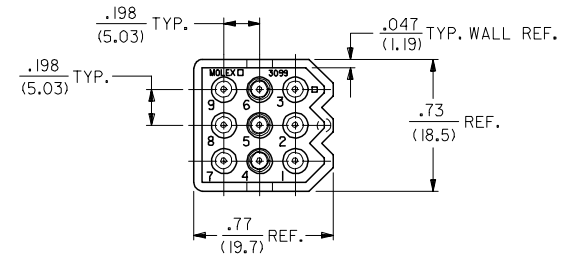
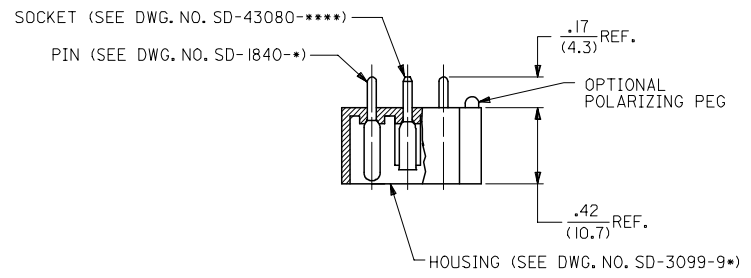
TERMINAL LOCATION CHART (M=MALE, F=FEMALE, B=BLANK)									
TERMINAL LOCATION CODE	CIRCUIT LOCATION								
	1	2	3	4	5	6	7	8	9
A	M	M	M	M	M	M	M	M	M
B	F	F	F	F	F	F	F	F	F

PLATING CODE	PLATING
A	UNPLATED
B	.000200/(0.00508) MIN. ELECTRO TIN OVER .000100/(0.00254) MIN. COPPER (PINS ONLY)
	POST PLATE BRIGHT TIN .000050/(0.00125) MIN OVERALL OVER .000050/(0.00125) MIN OVERALL NICKEL PER ES-88. (SOCKETS ONLY)

*THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC." CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD.



RECOMMENDED P.C. BOARD HOLE LAYOUT
SCALE: 2X



- NOTES:
- MATERIAL:
HOUSING: UNFILLED POLYESTER, 94V-0, COLOR-BLACK
PIN TERMINAL: CARTRIDGE BRASS, ALLOY NO. C26000
SOCKET TERMINAL: PHOSPHOR BRONZE, ALLOY NO. C51000
 - MATES WITH MOLEX 1292 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.

REV PLATING NOTE EC NO: UCP2005-1363 DRAWN/ADERR 2005/01/10 CHKD:ADERR 2005/01/10 APPR:FSM:TH 2005/01/10	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± ---	mm INCH	DRAWN BY GEP	DATE 1989/05/25	TITLE CONNECTOR ASSEMBLY ENCLOSED WAFER 9 CIRCUIT			
		3 PLACES ± --- ± .010	mm INCH	CHECKED BY RW	DATE 1989/05/25	MATERIAL NO. SEE CHART			
		2 PLACES ± 0.25 ± .014 1 PLACE ± 0.35 ± --- ANGULAR ±1/2°	mm INCH	APPROVED BY RAS	DATE 1989/05/25	DOCUMENT NO. SDA-3099-09**	SHEET NO. 1 OF 1		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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