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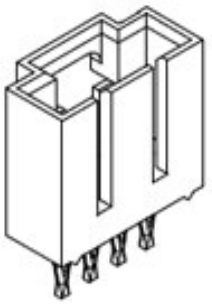
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0740950050

Status: Active

Description: 2.54mm (.100") Pitch SL™ Header, Single Row, Vertical, Shrouded, 20 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating over Tin (Sn) Plating



Series image - Reference only

Documents:

Drawing (PDF)
Product Specification PS-70400 (PDF)
Product Specification PS-74095-001 (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	74095
Application	Wire-to-Board
Product Name	SL™

Physical

Breakaway	No
Circuits (Loaded)	20
Circuits (maximum)	20
Color - Resin	Black
Durability (mating cycles max)	25
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.174 In
PC Tail Length (mm)	4.41 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.093 In
PCB Thickness Recommended (mm)	2.36 mm
Packaging Type	Tube
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Plating min: Mating (µin)	15
Plating min: Mating (µm)	0.38
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C

EU RoHS
RoHS Compliant by Exemption
REACH SVHC
Not Reviewed
Halogen-Free Status
Not Halogen-Free

China RoHS

50
Pb

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
74095Series

Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	3A
Voltage - Maximum	250V

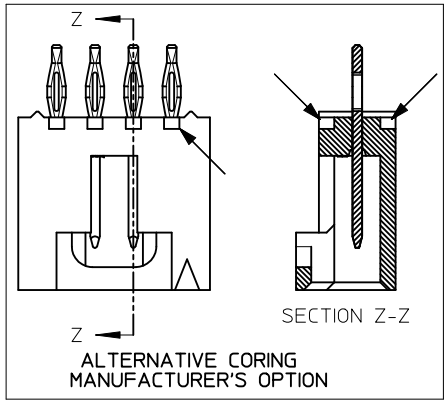
Material Info

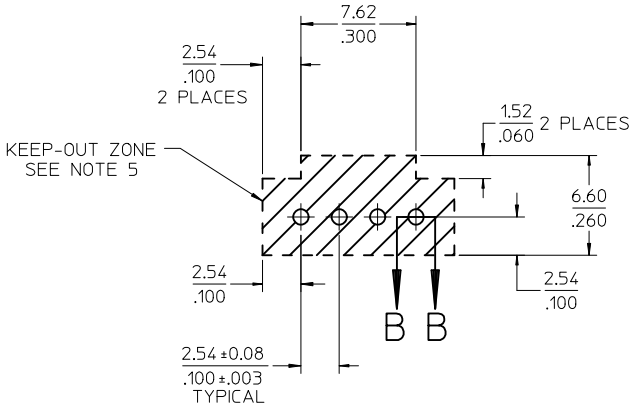
Reference - Drawing Numbers

Product Specification	PS-70400, PS-74095-001
Sales Drawing	SD-74095-001

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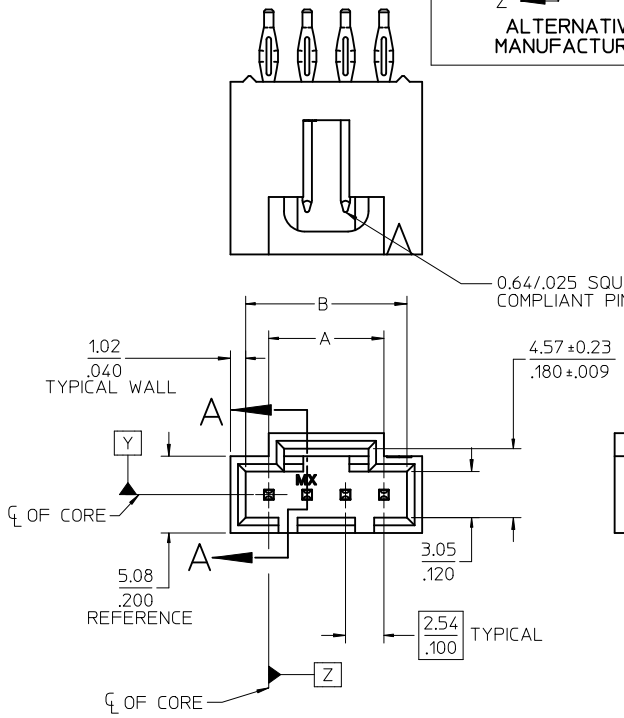


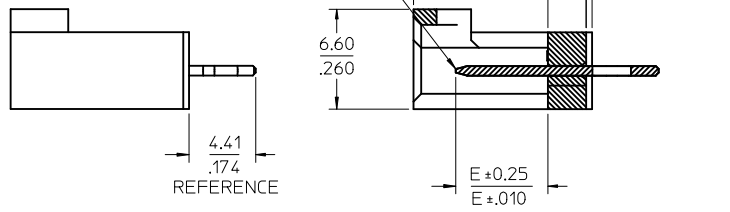


RECOMMENDED PC BOARD LAYOUT

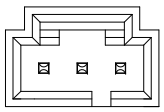
FOR USE WITH 2.36/.093 THICK BOARD

CKT SIZE	DIM A		DIM B	
	MM	IN.	MM	IN.
3	5.08	.200	8.13	.320
4	7.62	.300	10.67	.420
5	10.16	.400	13.21	.520
6	12.70	.500	15.75	.620
7	15.24	.600	18.29	.720
8	17.78	.700	20.83	.820
9	20.32	.800	23.37	.920
10	22.86	.900	25.91	1.020
11	25.40	1.000	28.45	1.120
12	27.94	1.100	30.99	1.220
13	30.48	1.200	33.53	1.320
14	33.02	1.300	36.07	1.420
15	35.56	1.400	38.61	1.520
16	38.10	1.500	41.15	1.620
17	40.64	1.600	43.69	1.720
18	43.18	1.700	46.23	1.820
19	45.72	1.800	48.77	1.920
20	48.26	1.900	51.31	2.020
21	50.80	2.000	53.85	2.120
22	53.34	2.100	56.39	2.220
23	55.88	2.200	58.93	2.320
24	58.42	2.300	61.47	2.420
25	60.96	2.400	64.01	2.520

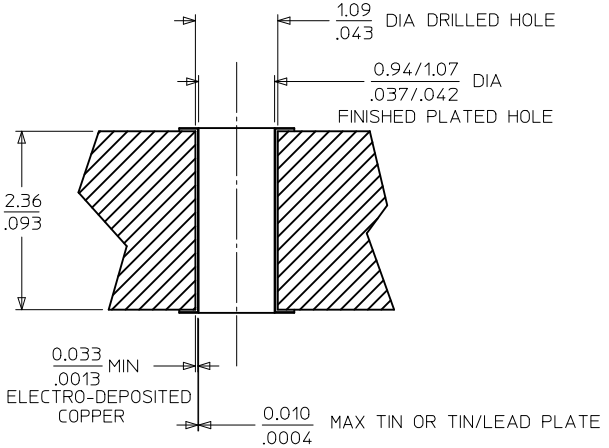




SECTION A-A



3 CIRCUIT



SECTION B-B

SCALE: 20/1

NOTES:

1. MATERIAL:
   HOUSING: GLASS FILLED POLYESTER, UL94V-0, COLOR - BLACK.
   PINS: COPPER ALLOY.
2. FINISH:
   30 GOLD: 0.76 MICROMETERS/30 MICROINCHES MINIMUM SELECT GOLD
   2.54 MICROMETERS/ 100 MICROINCHES MINIMUM SELECT TIN/LEAD
   OVER NICKEL UNDERPLATE OVERALL
   15 GOLD: 0.38 MICROMETERS/15 MICROINCHES MINIMUM SELECT GOLD
   2.54 MICROMETERS/ 100 MICROINCHES MINIMUM SELECT TIN/LEAD
   OVER NICKEL UNDERPLATE OVERALL
   TIN: 5.08 MICROMETERS/200 MICROINCHES MINIMUM TIN
   OVER NICKEL UNDERPLATE OVERALL
3. PRODUCT SPECIFICATION: PS-74095-001
4. PACKAGING SPECIFICATION: PK-70873-0014
5. NO FEATURES WHICH RISE ABOVE THE PCB SURFACE ALLOWED IN THIS AREA
6. THIS PART CONFORMS TO MOLEX COSMETIC SPECIFICATION: PS-45992-002 CLASS C

ADD 4, 16 & 20 CKT
EC NO: UCP2010-1046 2009/10/21
DRWN:MSIBARRA 2009/12/01
CH'KD:DMORGAN
APPR:SMILLER 2009/12/01
DESCRIPTION
B
REV

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .005
2 PLACES	± 0.13	± .010
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY	MIBARRA
DATE	2008/07/18
CHECKED BY	DMORGAN
DATE	2008/07/18
APPROVED BY	SMILLER
DATE	2007/08/18
MATERIAL NO.	SEE TABLE

TITLE: SALES ASSY, SL VERTICAL HEADER W/COMPLIANT PIN NO PEGS

MOLEX INCORPORATED

DOCUMENT NO. SD-74095-001

SHEET NO. 1 OF 2

SIZE C

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CIRCUIT SIZE	ITEM NUMBER 74095	DIM E	PLATING SEE NOTE 6	MATING END PLATING	PC BOARD END PLATING
				TYPE	TYPE
4	-0004	7.49 .295	TIN	TIN	TIN
4	-0034	7.49 .295	15 GOLD	GOLD	TIN/LEAD
4	-0064	7.49 .295	30 GOLD	GOLD	TIN/LEAD
16,20,25	-0016,-0020 -0025	7.49 .295	TIN	TIN	TIN
16,20,25	-0046,-0050 -0055	7.49 .295	15 GOLD	GOLD	TIN/LEAD
16,20,25	-0076,-0080 -0085	7.49 .295	30 GOLD	GOLD	TIN/LEAD

CIRCUIT SIZE	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER	ASSEMBLY ITEM NUMBER
3						
4	74095-0004	74095-0034	74095-0064			
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16	74095-0016	74095-0046	74095-0076			
17						
18						
19						
20	74095-0020	74095-0050	74095-0080			
21						
22						
23						
24						
25	74095-0025	74095-0055	74095-0085			

ADD 4, 16 & 20 CKT 2009/10/21
EC NO: UCP2010-1046 2009/12/01
DRWN:MSIBARRA 2009/12/01
CH'KD:DMORGAN
APPR:SMILLER
DESCRIPTION
B
REV

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .005
2 PLACES	± 0.13	± .010
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 1:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: MIBARRA DATE: 2008/07/18
CHECKED BY: DMORGAN DATE: 2008/07/18
APPROVED BY: SMILLER DATE: 2007/08/18

TITLE: SALES ASSY, SL VERTICAL HEADER W/COMPLIANT PIN NO PEGS

molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-74095-001
SHEET NO.: 2 OF 2
SIZE: C

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