

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0025021018

Status:

Active

Description:

2.54mm (.100") Pitch C-Grid® Header, Dual Row, Shrouded, with PC Slot and Guide Ear, 18 Circuits, 0.76µm (30µ") Gold (Au) Selective Plating

Documents:

3D Model

Packaging Specification (PDF)

Drawing (PDF)

Product Specification PS-70204 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

PCB Headers

Series

70204

Application

Board-to-Board

Product Name

C-Grid®

Physical

Breakaway

No

Circuits (Loaded)

18

Circuits (maximum)

18

Durability (mating cycles max)

50

Flammability

94V-0

Glow-Wire Compliant

No

Guide to Mating Part

Yes

Lock to Mating Part

None

Material - Plating Mating

Gold

Number of Rows

2

Orientation

Vertical

PC Tail Length (in)

0.110 In

PC Tail Length (mm)

2.79 mm

PCB Locator

No

PCB Retention

None

Packaging Type

Tray

Pitch - Mating Interface (in)

0.100 In

Pitch - Mating Interface (mm)

2.54 mm

Plating min: Mating (µin)

30

Plating min: Mating (µm)

0.76

Polarized to Mating Part

Yes

Polarized to PCB

No

Shrouded

Fully

Stackable

No

Temperature Range - Operating

-40°C to +105°C

Termination Interface: Style

Through Hole

Electrical

Current - Maximum per Contact

3A

Voltage - Maximum

250V

Solder Process Data

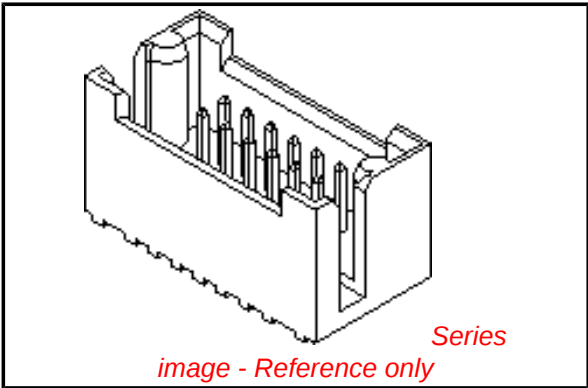
Lead-free Process Capability

Wave Capable (TH only)

Material Info

Old Part Number

70204-0328



EU RoHS

ELV and RoHS
Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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.

China RoHS



Search Parts in this Series

70204Series

Mates With

71973

Reference - Drawing Numbers

Product Specification
Sales Drawing

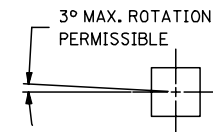
PS-70204
SDA-70204-0321-0384

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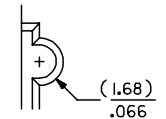
13		12	11		10		9	
CKT. SIZE	PART NUMBER	ENG. NUMBER SDA-70204-	DIM. "A"		DIM. "B"		DIM. "C"	
			MM	IN.	MM	IN.	MM	IN.
08	25-02-1008	0323	7,62	.300	17,78	.700	20,32	.800
10	25-02-1010	0324	10,16	.400	20,32	.800	22,86	.900
12	25-02-1012	0325	12,70	.500	22,86	.900	25,40	1.000
14	25-02-1014	0326	15,24	.600	25,40	1.000	32,51	1.100
16	25-02-1016	0327	17,78	.700	27,94	1.100	30,48	1.200
18	25-02-1018	0328	20,32	.800	30,48	1.200	33,02	1.300
20	25-02-1020	0329	22,86	.900	33,02	1.300	35,56	1.400
22	25-02-1022	0330	25,40	1.000	35,56	1.400	38,10	1.500
24	25-02-1024	0331	27,94	1.100	38,10	1.500	40,64	1.600
26	25-02-1026	0332	30,48	1.200	40,64	1.600	43,10	1.700
28	25-02-1028	0333	33,02	1.300	43,10	1.700	45,72	1.800
30	25-02-1030	0334	35,56	1.400	45,72	1.800	48,26	1.900
32	25-02-1032	0335	38,10	1.500	48,26	1.900	50,80	2.000
34	25-02-1034	0336	40,64	1.600	50,80	2.000	53,34	2.100
36	25-02-1036	0337	43,10	1.700	53,34	2.100	55,88	2.200
38	25-02-1038	0338	45,72	1.800	55,88	2.200	58,42	2.300
40	25-02-1040	0339	48,26	1.900	58,42	2.300	60,96	2.400

8	7	6	5	4	3	2	1
CKT. SIZE	PART NUMBER	ENG. NUMBER SDA-70204-	DIM. "A" MM IN.	DIM. "B" MM IN.	DIM. "C" MM IN.		
42	25-02-1042	0340	50.80 2.000	60.96 2.400	63.50 2.500		
44	25-02-1044	0341	53.34 2.100	63.50 2.500	66.04 2.600		
46	25-02-1046	0342	55.88 2.200	66.04 2.600	68.58 2.700		
48	25-02-1048	0343	58.42 2.300	68.58 2.700	71.12 2.800		
50	25-02-1050	0344	60.96 2.400	71.12 2.800	73.66 2.900		
52	25-02-1052	0345	63.50 2.500	73.66 2.900	76.20 3.000		
54	25-02-1054	0346	66.04 2.600	76.20 3.000	78.74 3.100		
56	25-02-1056	0347	68.58 2.700	78.74 3.100	81.28 3.200		
58	25-02-1058	0348	71.12 2.800	81.28 3.200	83.82 3.300		
60	25-02-1060	0349	73.66 2.900	83.82 3.300	86.36 3.400		
62	25-02-1062	0350	76.20 3.000	86.36 3.400	88.90 3.500		
64	25-02-1064	0351	78.74 3.100	88.90 3.500	91.44 3.600		
66	25-02-1066	0352	81.28 3.200	91.44 3.600	93.98 3.700		
68	25-02-1068	0353	83.82 3.300	93.98 3.700	96.52 3.800		
70	25-02-1070	0354	86.36 3.400	96.52 3.800	99.06 3.900		
72	25-02-1072	0355	88.90 3.500	99.06 3.900	101.60 4.000		

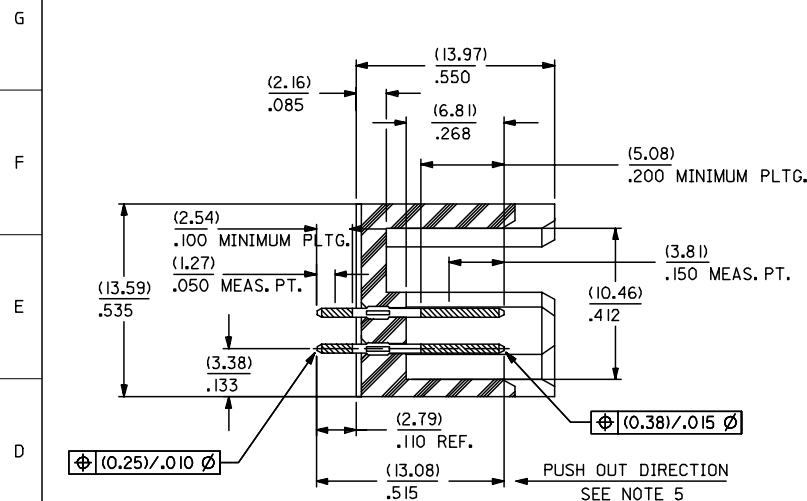


DETAIL "V"

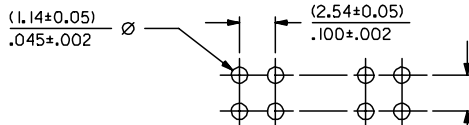
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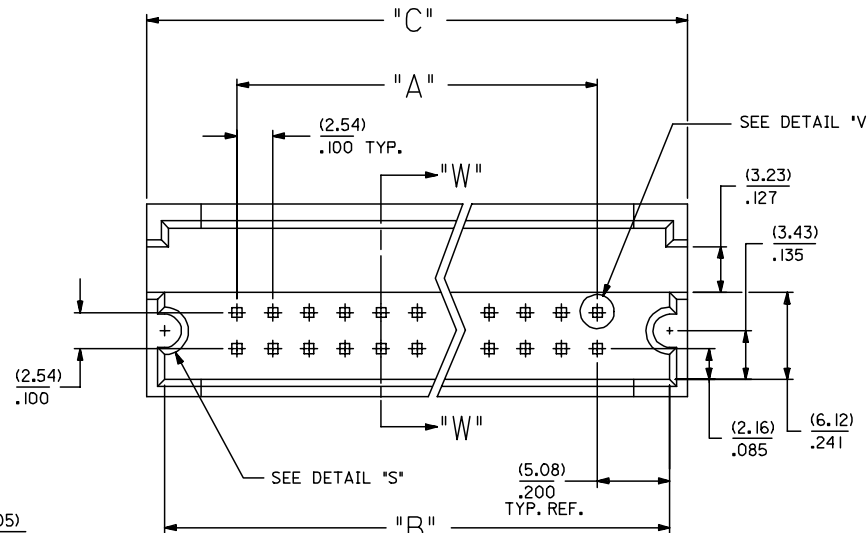
DETAIL "S"



SECTION W-W



RECOMMENDED P.C. BOARD HOLE LAYOUT



NOTES:

- 1) WAFER MATERIAL: GLASS FILLED NYLON COLOR, BLACK.
- 2) PIN MATERIAL: PHOSPHOR BRONZE ALLOY
- 3) PIN PLATING:
TIP: .000030 MINIMUM GOLD IN SELECTED AREA
TAIL: .000075 MINIMUM TIN IN SELECTED AREA
OVER .000050 NICKEL OVER-ALL.
- *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 LEAD.
- 4) PINS MUST MEET SOLDERABILITY SPEC. NO. 152.
- 5) PIN PUSH-OUT FORCE (1.81 KG.)/4 LBS MINIMUM
- 6) REFER TO P.S. NO. 70204.
- 7) STANDARD PACKAGING PER: PK-70873-0070.

REMOVE 0356-0384 EC NO: UCP2007-0113 DRAWN: JORGAN 2006/08/07 CHKD: MS BARRA 2006/08/16 APPR: SMILLER 2006/08/18	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
			MM/IN		4:1	INCH				
			mm	INCH	DRAWN BY		DATE		SHROUDED HEADER DUAL ROW W/PCB SLOTS & GUIDE EARS .100 GRID .025 SQ PIN	
			4 PLACES ± ---	± ---	JAS		1986/05/20			
			3 PLACES ± 0.25	± .010	CHECKED BY		DATE			
			2 PLACES ± ---	± ---	EIK		1986/05/20			
			1 PLACE ± ---	± ---	APPROVED BY		DATE		MOLEX INCORPORATED	
			ANGULAR ±1/2°		WAZ		1986/05/20			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
					SEE TABLE		SDA-70204-0321-0384		1 OF 1	
		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

SHROUDED HEADER DUAL ROW W/PCB SLOTS & GUIDE EARS .100 GRID .025 SQ PIN

MOLEX INCORPORATED

SDA-70204-0321-0384

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