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Part Number: [0025026032](#)
Status: **Active**
Description: 2.54mm (.100") Pitch C-Grid® Header, Dual Row, Shrouded, with PC Slot and Guide Ear, 32 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating

Documents:

3D Model	Product Specification PS-70204 (PDF)
Drawing (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

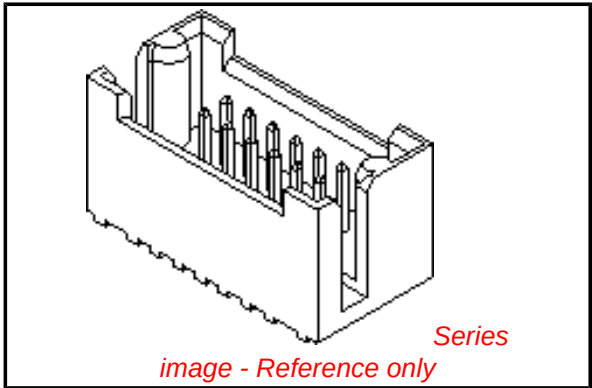
Breakaway	No
Circuits (Loaded)	32
Circuits (maximum)	32
Durability (mating cycles max)	50
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Lock to Mating Part	None
Material - Metal	Brass, Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Number of Rows	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)	15
Plating min: Mating (µm)	0.38
Plating min: Termination (µin)	75
Plating min: Termination (µm)	1.91
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

Duration at Max. Process Temperature (seconds)	5
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EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Contains SVHC: No
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](#)

Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	245

Material Info

Old Part Number	70204-0271
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Reference - Drawing Numbers

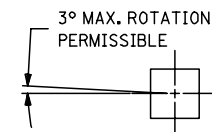
Product Specification	PS-70204
Sales Drawing	SDA-70204-0257-0320

This document was generated on 03/31/2010

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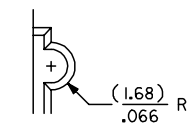
13		12	11		10		9	
CKT. SIZE	PART NUMBER	ENG. NUMBER SDA-70204-	DIM. "A"		DIM. "B"		DIM. "C"	
			MM	IN.	MM	IN.	MM	IN.
08	25-02-6008	0259	7,62	.300	17,78	.700	20,32	.800
10	25-02-6010	0260	10,16	.400	20,32	.800	22,86	.900
12	25-02-6012	0261	12,70	.500	22,86	.900	25,40	1.000
14	25-02-6014	0262	15,24	.600	25,40	1.000	32,51	1.100
16	25-02-6016	0263	17,78	.700	27,94	1.100	30,48	1.200
18	25-02-6018	0264	20,32	.800	30,48	1.200	33,02	1.300
20	25-02-6020	0265	22,86	.900	33,02	1.300	35,56	1.400
22	25-02-6022	0266	25,40	1.000	35,56	1.400	38,10	1.500
24	25-02-6024	0267	27,94	1.100	38,10	1.500	40,64	1.600
26	25-02-6026	0268	30,48	1.200	40,64	1.600	43,10	1.700
28	25-02-6028	0269	33,02	1.300	43,10	1.700	45,72	1.800
30	25-02-6030	0270	35,56	1.400	45,72	1.800	48,26	1.900
32	25-02-6032	0271	38,10	1.500	48,26	1.900	50,80	2.000
34	25-02-6034	0272	40,64	1.600	50,80	2.000	53,34	2.100
36	25-02-6036	0273	43,10	1.700	53,34	2.100	55,88	2.200
38	25-02-6038	0274	45,72	1.800	55,88	2.200	58,42	2.300
40	25-02-6040	0275	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	25-02-6042	0276	50.80 2.000	60.96 2.400	63.50 2.500		
44	25-02-6044	0277	53.34 2.100	63.50 2.500	66.04 2.600		
46	25-02-6046	0278	55.88 2.200	66.04 2.600	68.58 2.700		
48	25-02-6048	0279	58.42 2.300	68.58 2.700	71.12 2.800		
50	25-02-6050	0280	60.96 2.400	71.12 2.800	73.66 2.900		
52	25-02-6052	0281	63.50 2.500	73.66 2.900	76.20 3.000		
54	25-02-6054	0282	66.04 2.600	76.20 3.000	78.74 3.100		
56	25-02-6056	0283	68.58 2.700	78.74 3.100	81.28 3.200		
58	25-02-6058	0284	71.12 2.800	81.28 3.200	83.82 3.300		
60	25-02-6060	0285	73.66 2.900	83.82 3.300	86.36 3.400		
62	25-02-6062	0286	76.20 3.000	86.36 3.400	88.90 3.500		
64	25-02-6064	0287	78.74 3.100	88.90 3.500	91.44 3.600		
66	25-02-6066	0288	81.28 3.200	91.44 3.600	93.98 3.700		
68	25-02-6068	0289	83.82 3.300	93.98 3.700	96.52 3.800		
70	25-02-6070	0290	86.36 3.400	96.52 3.800	99.06 3.900		
72	25-02-6072	0291	88.90 3.500	99.06 3.900	101.60 4.000		

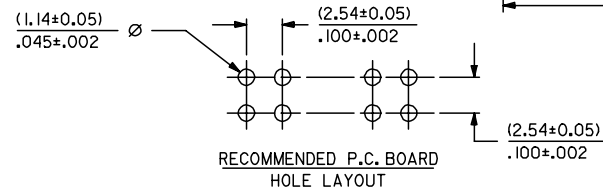
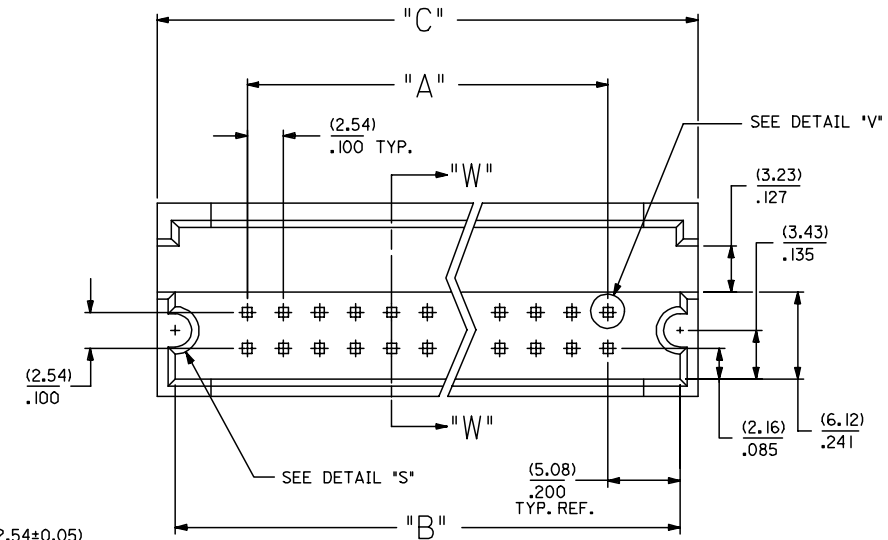
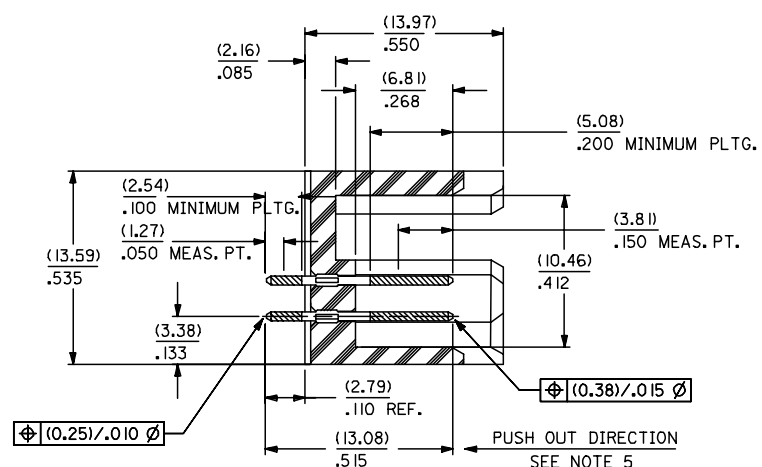


DETAIL "V"

SCALE = 20:1



DETAIL "S"



NOTES:

- 1) WAFER MATERIAL: GLASS FILLED NYLON COLOR, BLACK.
- 2) PIN MATERIAL: PHOSPHOR BRONZE ALLOY
- 3) PIN PLATING:
TIP: .000015 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 0292-0320 EC NO: UCP2007-0113 TJ DRWN: JORGAN 2006/08/07 CHKD: MS BARRA 2006/08/16 APPR: MILLER 2006/08/18 REV				QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± .010</td></tr><tr><td>2 PLACES</td><td>± 0.25</td><td>± ---</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td></tr><tr><td colspan="3">ANGULAR ±1/2°</td></tr></table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± .010	2 PLACES	± 0.25	± ---	1 PLACE	± ---	± ---	ANGULAR ±1/2°			DIMENSION STYLE MM/IN	SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
	mm	INCH																									
4 PLACES	± ---	± ---																									
3 PLACES	± ---	± .010																									
2 PLACES	± 0.25	± ---																									
1 PLACE	± ---	± ---																									
ANGULAR ±1/2°																											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					DRAWN BY JAS	DATE 1986/05/20	SHROUDED HEADER DUAL ROW W/PCB SLOTS & GUIDE EARS .100 GRID .025 SQ PIN MOLEX INCORPORATED																				
					CHECKED BY EIK	DATE 1986/05/20																					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					APPROVED BY WAZ	DATE 1986/05/20	SDA-70204-0257-0320																				
					MATERIAL NO.					DOCUMENT NO.	SHEET NO.																
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																				
					SIZE C																						