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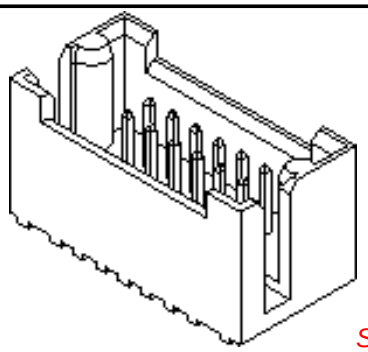
This document was generated on 03/31/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0025022014

Status: Active

Description: 2.54mm (.100") Pitch C-Grid® Header, Dual Row, Shrouded, with PC Slot and Guide Ear, 14 Circuits, Tn (Sn) Plating



Series image - Reference only

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)	14
Circuits (maximum)	14
Durability (mating cycles max)	25
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	Tin
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)	150
Plating min: Mating (µm)	3.81
Plating min: Termination (µin)	150
Plating min: Termination (µm)	3.81
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

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
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
70204Series

Mates With
71973

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	235

Material Info

Old Part Number	70204-0390

Reference - Drawing Numbers

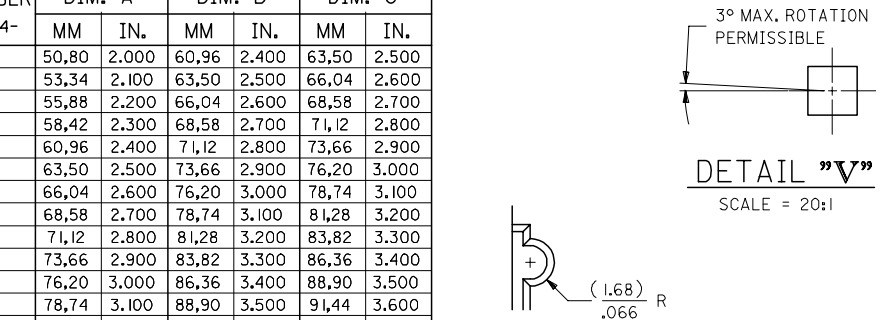
Product Specification	PS-70204
Sales Drawing	SDA-70204-0385-0448

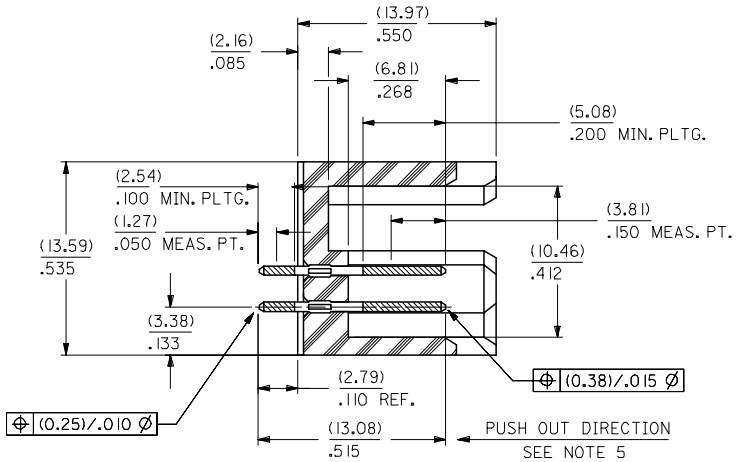
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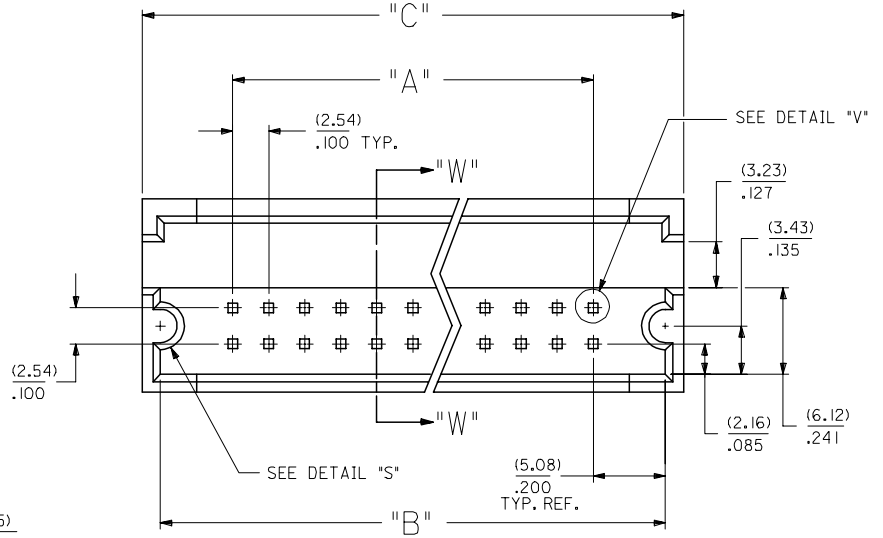
CKT. SIZE	PART NUMBER	ENG. NUMBER SDA-70204-	DIM. "A" MM	DIM. "A" IN.	DIM. "B" MM	DIM. "B" IN.	DIM. "C" MM	DIM. "C" IN.
08	25-02-2008	0387	7,62	.300	17,78	.700	20,32	.800
10	25-02-2010	0388	10,16	.400	20,32	.800	22,86	.900
12	25-02-2012	0389	12,70	.500	22,86	.900	25,40	1.000
14	25-02-2014	0390	15,24	.600	25,40	1.000	32,51	1.100
16	25-02-2016	0391	17,78	.700	27,94	1.100	30,48	1.200
18	25-02-2018	0392	20,32	.800	30,48	1.200	33,02	1.300
20	25-02-2020	0393	22,86	.900	33,02	1.300	35,56	1.400
22	25-02-2022	0394	25,40	1.000	35,56	1.400	38,10	1.500
24	25-02-2024	0395	27,94	1.100	38,10	1.500	40,64	1.600
26	25-02-2026	0396	30,48	1.200	40,64	1.600	43,10	1.700
28	25-02-2028	0397	33,02	1.300	43,10	1.700	45,72	1.800
30	25-02-2030	0398	35,56	1.400	45,72	1.800	48,26	1.900
32	25-02-2032	0399	38,10	1.500	48,26	1.900	50,80	2.000
34	25-02-2034	0400	40,64	1.600	50,80	2.000	53,34	2.100
36	25-02-2036	0401	43,10	1.700	53,34	2.100	55,88	2.200
38	25-02-2038	0402	45,72	1.800	55,88	2.200	58,42	2.300
40	25-02-2040	0403	48,26	1.900	58,42	2.300	60,96	2.400

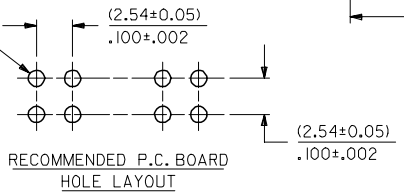
CKT. SIZE	PART NUMBER	ENG. NUMBER SDA-70204-	DIM. "A" MM	DIM. "A" IN.	DIM. "B" MM	DIM. "B" IN.	DIM. "C" MM	DIM. "C" IN.
42	25-02-2042	0404	50,80	2.000	60,96	2.400	63,50	2.500
44	25-02-2044	0405	53,34	2.100	63,50	2.500	66,04	2.600
46	25-02-2046	0406	55,88	2.200	66,04	2.600	68,58	2.700
48	25-02-2048	0407	58,42	2.300	68,58	2.700	71,12	2.800
50	25-02-2050	0408	60,96	2.400	71,12	2.800	73,66	2.900
52	25-02-2052	0409	63,50	2.500	73,66	2.900	76,20	3.000
54	25-02-2054	0410	66,04	2.600	76,20	3.000	78,74	3.100
56	25-02-2056	0411	68,58	2.700	78,74	3.100	81,28	3.200
58	25-02-2058	0412	71,12	2.800	81,28	3.200	83,82	3.300
60	25-02-2060	0413	73,66	2.900	83,82	3.300	86,36	3.400
62	25-02-2062	0414	76,20	3.000	86,36	3.400	88,90	3.500
64	25-02-2064	0415	78,74	3.100	88,90	3.500	91,44	3.600
66	25-02-2066	0416	81,28	3.200	91,44	3.600	93,98	3.700
68	25-02-2068	0417	83,82	3.300	93,98	3.700	96,52	3.800
70	25-02-2070	0418	86,36	3.400	96,52	3.800	99,06	3.900
72	25-02-2072	0419	88,90	3.500	99,06	3.900	101,60	4.000





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: (OVERALL)
.000150 MINIMUM TIN PLATE
OVER .000050 MINIMUM NICKEL PLATE

*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 MIN.

6) REFER TO P.S. NO. 70204.

7) STANDARD PACKAGING PER: PK-70873-0070.

REMOVE 0420-0448
EC NO: UCP2007-0113
DRWN:DMORGAN 2006/08/07
CH'KD:MS BARRA 2006/08/16
APPR:SMILLER 2006/08/18
DESCRIPTION
REV: G

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± ---
1 PLACE	± ---	± ---
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	JAS
DATE	1986/05/20
CHECKED BY	EIK
DATE	1986/05/20
APPROVED BY	WAZ
DATE	1986/05/20

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

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SDA-70204-0385-0448
SHEET NO.: 1 OF 1
SIZE: C

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