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Part Number: [0025026010](#)
Status: **Active**
Description: 2.54mm (.100") Pitch C-Grid® Header, Dual Row, Shrouded, with PC Slot and Guide Ear, 10 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

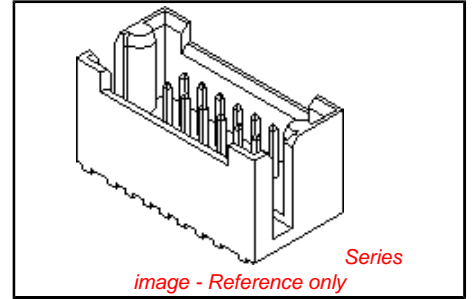
Product Family PCB Headers
 Series 70204
 Application Board-to-Board
 Product Name C-Grid®

Physical

Breakaway No
 Circuits (Loaded) 10
 Circuits (maximum) 10
 Color - Resin Black
 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
 Material - Resin Nylon
 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



| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <p>EU RoHS ELV and RoHS Compliant REACH SVHC Contains SVHC: No Halogen-Free Status Not Reviewed</p> | <p>China RoHS</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|

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](#)

Solder Process Data

| | |
|------------------------------------------------|------------------------|
| 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 | 245 |

Material Info

| | |
|-----------------|------------|
| Old Part Number | 70204-0260 |
|-----------------|------------|

Reference - Drawing Numbers

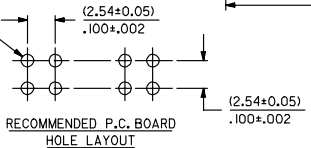
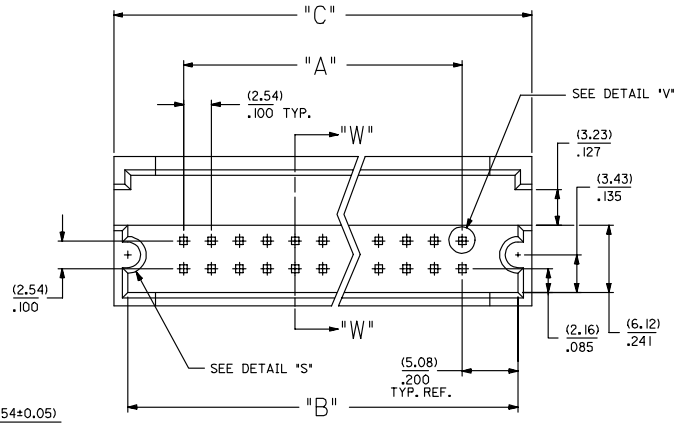
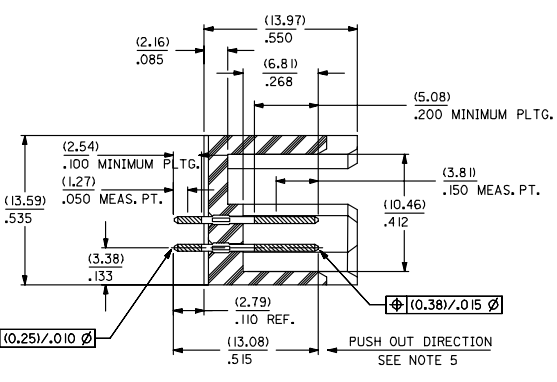
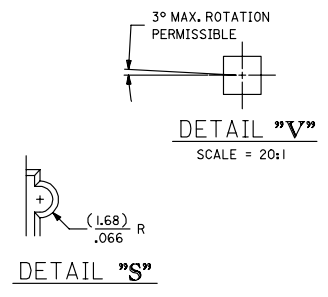
| | |
|-----------------------|---------------------|
| Product Specification | PS-70204 |
| Sales Drawing | SDA-70204-0257-0320 |

This document was generated on 03/31/2010

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| 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 |

| CKT. SIZE | PART NUMBER | ENG. NUMBER SDA-70204- | DIM. "A" | | DIM. "B" | | DIM. "C" | |
|-----------|-------------|------------------------|----------|-------|----------|-------|----------|-------|
| | | | MM | IN. | MM | IN. | 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 |



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. I52.
- 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 T: DR. W. MORGAN 2006/08/07 C: P. K. S. BARRA 2006/08/16 A: P. S. MILLER 2006/08/18 | QUALITY SYMBOLS ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE | | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION |
| | | mm | INCH | MM/IN | DATE | 4:1 | INCH | |
| | | 4 PLACES | ± .010 | DRAWN BY | JAS | DATE | 1986/05/20 | TITLE |
| | | 3 PLACES | ± .025 | CHECKED BY | EIK | DATE | 1986/05/20 | SHROUDED HEADER DUAL ROW W/PCB SLOTS & GUIDE EARS .100 GRID .025 SQ PIN |
| | | 2 PLACES | ± .050 | APPROVED BY | WAZ | DATE | 1986/05/20 | MOLEX INCORPORATED |
| | | 1 PLACE | ± .100 | MATERIAL NO. | SEE TABLE | DOCUMENT NO. | SDA-70204-0257-0320 | SHEET NO. 1 OF 1 |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | |

tb_frame_C_P_ME_T
Rev. D 2004/04/02