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**Part Number:** [0444720657](#)  
**Status:** **Active**  
**Description:** 4.20mm (.165") Pitch Mini-Fit HCS™ Header, Dual Row, Vertical, without Snap-in Plastic Peg PCB Lock, 6 Circuits, PA Polyamide Nylon 6/6 94V-0, with Drain Holes

**Documents:**  
[3D Model](#)  
[Drawing \(PDF\)](#)  
[Packaging Specification \(PDF\)](#)  
[Product Specification PS-44476-001 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
UL E29179

**General**

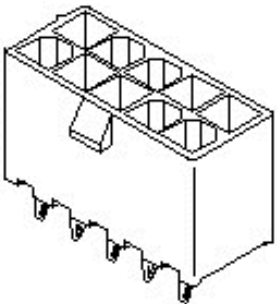
Product Family PCB Headers  
Series [44472](#)  
Application Wire-to-Board  
Comments Square Pin|Solder Type  
Product Name Mini-Fit HCS™

**Physical**

Breakaway No  
Circuits (Loaded) 6  
Circuits (maximum) 6  
Color - Resin Natural (White)  
Durability (mating cycles max) 30  
Flammability 94V-0  
Glow-Wire Compliant No  
Material - Metal High Performance Alloy (HPA)  
Material - Plating Mating Tin  
Material - Plating Termination Tin  
Material - Resin Nylon  
Number of Rows 2  
Orientation Vertical  
PCB Locator Yes  
PCB Retention None  
PCB Thickness Recommended (in) 0.070 In  
PCB Thickness Recommended (mm) 1.80 mm  
Packaging Type Tray  
Pitch - Mating Interface (in) 0.165 In  
Pitch - Mating Interface (mm) 4.20 mm  
Plating min: Mating (µin) 101.6  
Plating min: Mating (µm) 2.54  
Plating min: Termination (µin) 101.6  
Plating min: Termination (µm) 2.54  
Polarized to PCB Yes  
Shrouded Partial  
Stackable No  
Surface Mount Compatible (SMC) No  
Temperature Range - Operating -40°C to +105°C  
Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 11A  
Voltage - Maximum 600V



Series

image - Reference only

**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](mailto: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**  
[44472Series](#)

**Mates With**  
[5557d](#)

**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                     | 260                    |

**Material Info**

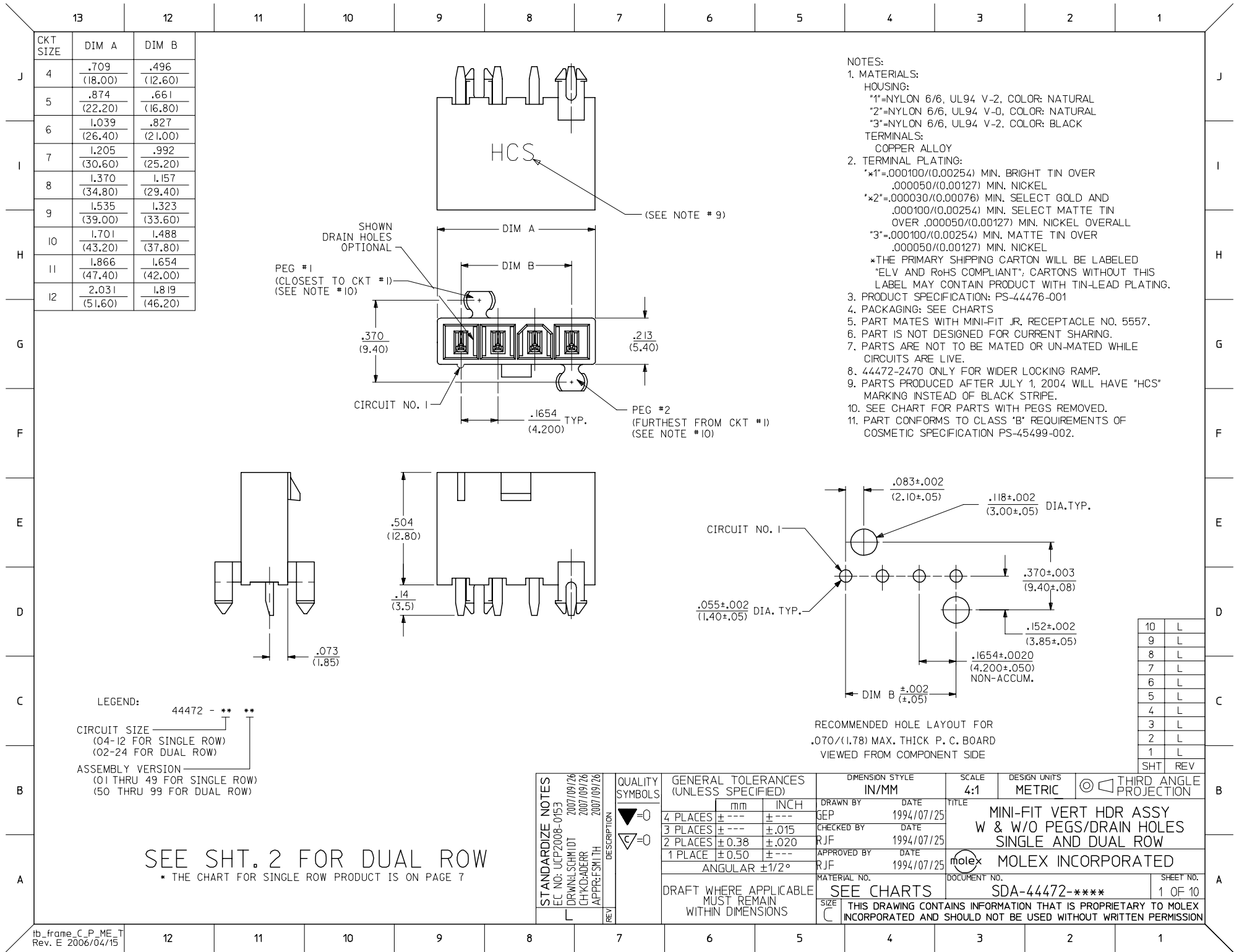
|                 |              |
|-----------------|--------------|
| Old Part Number | A-44472-0657 |
|-----------------|--------------|

**Reference - Drawing Numbers**

|                       |                             |
|-----------------------|-----------------------------|
| Product Specification | PS-44476-001, RPS-44476-001 |
| Sales Drawing         | SDA-44472-****              |

This document was generated on 03/17/2010

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DRAINS: WITH DRAIN HOLES |    |      | DRAINS: WITH DRAIN HOLES |   |      | DRAINS: WITH DRAIN HOLES |   |      | DRAINS:    |   |      |   |   |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 44472-0456               |    | 4    | 44472-0457               |   | 4    | 44472-0458               |   | 4    | -          |   | -    |   |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 44472-0656               |    | 6    | 44472-0657               |   | 6    | 44472-0658               |   | 6    | -          |   | -    |   |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 44472-0856               |    | 8    | 44472-0857               |   | 8    | 44472-0858               |   | 8    | -          |   | -    |   |   |
| H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 44472-1056               |    | 10   | 44472-1057               |   | 10   | 44472-1058               |   | 10   | -          |   | -    | H |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 44472-1256               |    | 12   | 44472-1257               |   | 12   | 44472-1258               |   | 12   | -          |   | -    |   |   |
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| G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 44472-2056               |    | 20   | 44472-2057               |   | 20   | 44472-2058               |   | 20   | -          |   | -    | G |   |
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| <div><div><div>PLATING REFERENCE</div><div>EC NO: UCP2008-0153</div><div>2007/09/26</div><div>DRWNLSCHMI DT</div><div>2007/09/26</div><div>CHKD:ADERR</div><div>2007/09/26</div><div>APPR:FSM TH</div><div>2007/09/26</div><div>REV</div><div>DESCRIPTION</div></div><div><div>QUALITY SYMBOLS</div><div>▽=0</div><div>▽=0</div></div><div><div>GENERAL TOLERANCES (UNLESS SPECIFIED)</div><div><div>mm</div><div>INCH</div></div><div>4 PLACES ± --- ± ---</div><div>3 PLACES ± --- ± ---</div><div>2 PLACES ± --- ± ---</div><div>1 PLACE ± --- ± ---</div><div>ANGULAR ± ---°</div><div>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</div></div><div><div>DIMENSION STYLE</div><div>IN/MM</div><div>DRAWN BY LEM</div><div>DATE 1999/02/22</div><div>CHECKED BY MAB</div><div>DATE 1999/02/22</div><div>APPROVED BY RRE</div><div>DATE 1999/02/22</div><div>MATERIAL NO.</div><div>SEE CHART</div><div>SIZE C</div><div>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</div></div><div><div>SCALE ---</div><div>DESIGN UNITS METRIC</div><div>THIRD ANGLE PROJECTION</div><div>TITLE MINI-FIT VERT HDR ASSY W &amp; W/O PEGS/DRAIN HOLES SINGLE AND DUAL ROW</div><div>MOLEX MOLEX INCORPORATED</div><div>DOCUMENT NO. SDA-44472-****</div><div>SHEET NO. 4 OF 10</div></div></div> |                          |    |      |                          |   |      |                          |   |      |            |   |      |   |   |
| ib_frame_C_P_ME_T<br>Rev. E 2006/04/15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |    |      |                          |   |      |                          |   |      |            |   |      |   |   |