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Part Number: [0444721457](#)
Status: **Active**
Description: 4.20mm (.165") Pitch Mini-Fit HCS™ Header, Dual Row, Vertical, without Snap-in Plastic Peg PCB Lock, 14 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

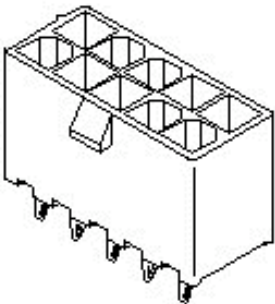
Product Family PCB Headers
Series [44472](#)
Application Wire-to-Board
Comments Square Pin|Solder Type
Product Name Mini-Fit HCS™

Physical

Breakaway No
Circuits (Loaded) 14
Circuits (maximum) 14
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) 100
Plating min: Mating (µm) 2.50
Plating min: Termination (µin) 100
Plating min: Termination (µm) 2.50
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
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

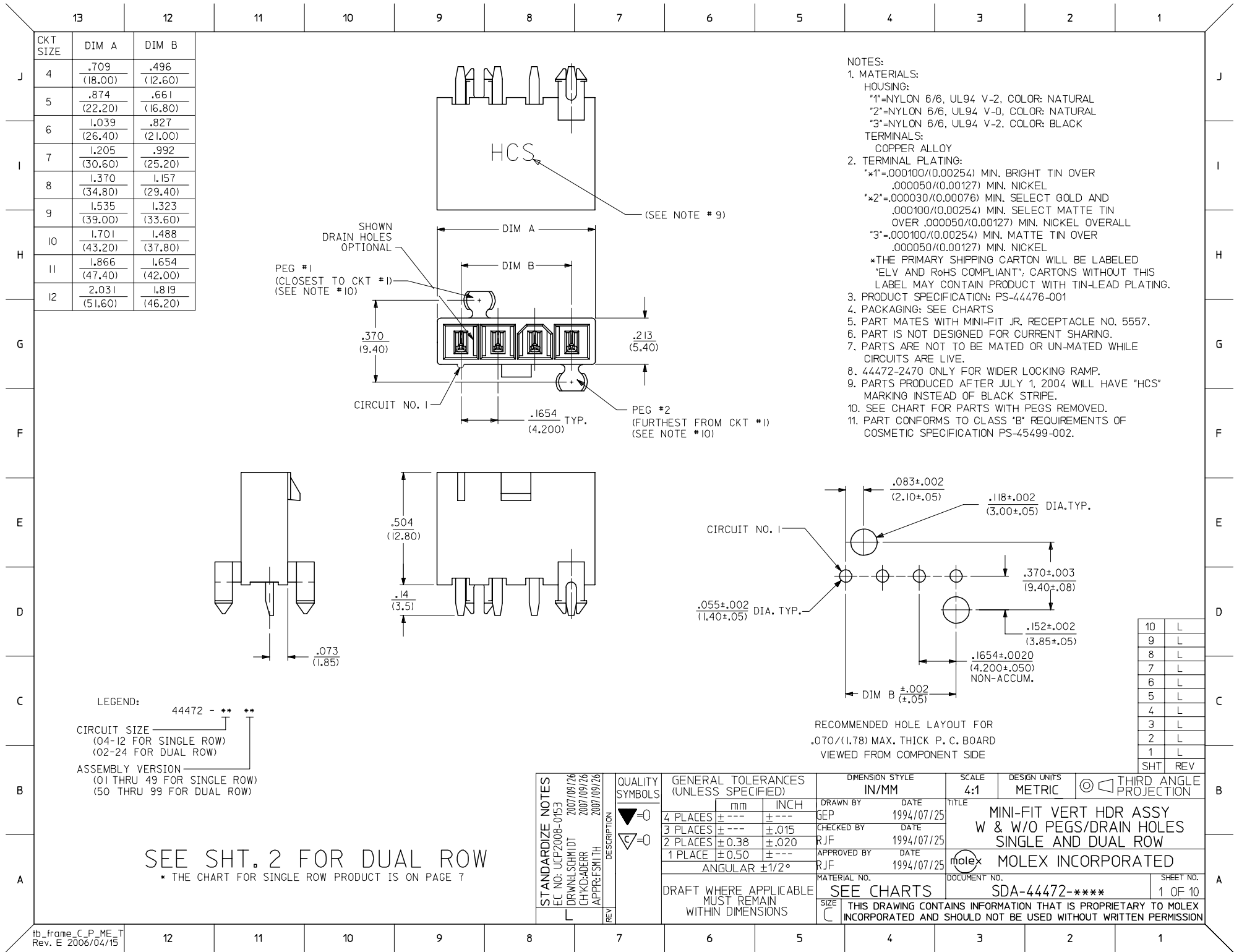
Old Part Number	A-44472-1457
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Reference - Drawing Numbers

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

This document was generated on 04/21/2010

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	13	12	11	10	9	8	7	6	5	4	3	2	1	
J	PLATING: 1 (SEE NOTE 2)			PLATING: 1 (SEE NOTE 2)			PLATING: 1 (SEE NOTE 2)			PIN NO:				J
	DRAINS: WITH DRAIN HOLES			DRAINS: WITH DRAIN HOLES			DRAINS: WITH DRAIN HOLES			DRAINS:				
	PEGS: WITHOUT PEGS			PEGS: WITHOUT PEGS			PEGS: WITH PEGS			PEGS:				
	MAT'L: 94V-2 [NATURAL]			MAT'L: 94V-0 [NATURAL]			MAT'L: 94V-2 [BLACK]			MAT'L:				
	PACKAGING: PK-44472-001			PACKAGING: PK-44472-001			PACKAGING: PK-44472-001			PACKAGING:				
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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	-		-		
	44472-1456		14	44472-1457		14	44472-1458		14	-		-		
	44472-1656		16	44472-1657		16	44472-1658		16	-		-		
	44472-1856		18	44472-1857		18	44472-1858		18	-		-		
G	44472-2056		20	44472-2057		20	44472-2058		20	-		-	G	
	44472-2256		22	44472-2257		22	44472-2258		22	-		-		
	44472-2456		24	44472-2457		24	44472-2458		24	-		-		
F	PIN NO:			PIN NO:										F
	PLATING:			PLATING:										
	DRAINS:			DRAINS:										
	PEGS:			PEGS:										
	MAT'L:			MAT'L:										
E	PACKAGING:			PACKAGING:										E
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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><div>4 PLACES</div><div>±</div><div>---</div><div>±</div><div>---</div></div><div><div>3 PLACES</div><div>±</div><div>---</div><div>±</div><div>---</div></div><div><div>2 PLACES</div><div>±</div><div>---</div><div>±</div><div>---</div></div><div><div>1 PLACE</div><div>±</div><div>---</div><div>±</div><div>---</div></div><div><div>ANGULAR</div><div>±</div><div>---</div><div>°</div></div></div><div><div>DRAFT WHERE APPLICABLE</div><div>MUST REMAIN</div><div>WITHIN DIMENSIONS</div></div><div><div>DIMENSION STYLE</div><div>IN/MM</div><div><div>DRAWN BY</div><div>DATE</div></div><div><div>CHECKED BY</div><div>DATE</div></div><div><div>APPROVED BY</div><div>DATE</div></div><div><div>MATERIAL NO.</div><div>DATE</div></div></div><div><div>SCALE</div><div>---</div></div><div><div>DESIGN UNITS</div><div>METRIC</div></div><div><div>THIRD ANGLE PROJECTION</div></div><div><div>MINI-FIT VERT HDR ASSY</div><div>W & W/O PEGS/DRAIN HOLES</div><div>SINGLE AND DUAL ROW</div></div><div><div>moLEX</div><div>MOLEX INCORPORATED</div></div><div><div>SEE CHART</div><div>SDA-44472-****</div></div><div><div>SHEET NO.</div><div>4 OF 10</div></div></div> <div><div>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX</div><div>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</div></div>														

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Rev. E 2006/04/15