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Part Number: [0444751021](#)
Status: **Active**
Description: 4.20mm (.165") Pitch Mini-Fit, HCS™ Receptacle Header, Dual Row, Vertical, Blind Mating, with Snap-in Plastic Pegs, 10 Circuits

Documents:

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

Agency Certification

CSA LR19980
UL E29179

General

Product Family PCB Receptacles
Series [44475](#)
Application Board-to-Board, Wire-to-Board
Comments Solder Type|With Pegs
Product Name Mini-Fit HCS™

Physical

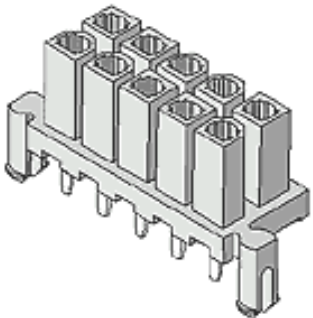
Circuits (Loaded) 10
Color - Resin Natural (White)
Durability (mating cycles max) 30
Flammability 94V-0
Glow-Wire Compliant No
Material - Metal Copper
Material - Plating Mating Tin
Material - Plating Termination Tin
Material - Resin Nylon
Number of Rows 2
Orientation Vertical
PCB Locator Yes
PCB Retention Yes
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
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

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 240



*Series
image - Reference only*

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Not Reviewed
**Halogen-Free
Status**

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

[44475Series](#)

Mates With

[44068](#) , [42404](#) , [44474](#) , [43810](#) , [42475](#)

Material Info

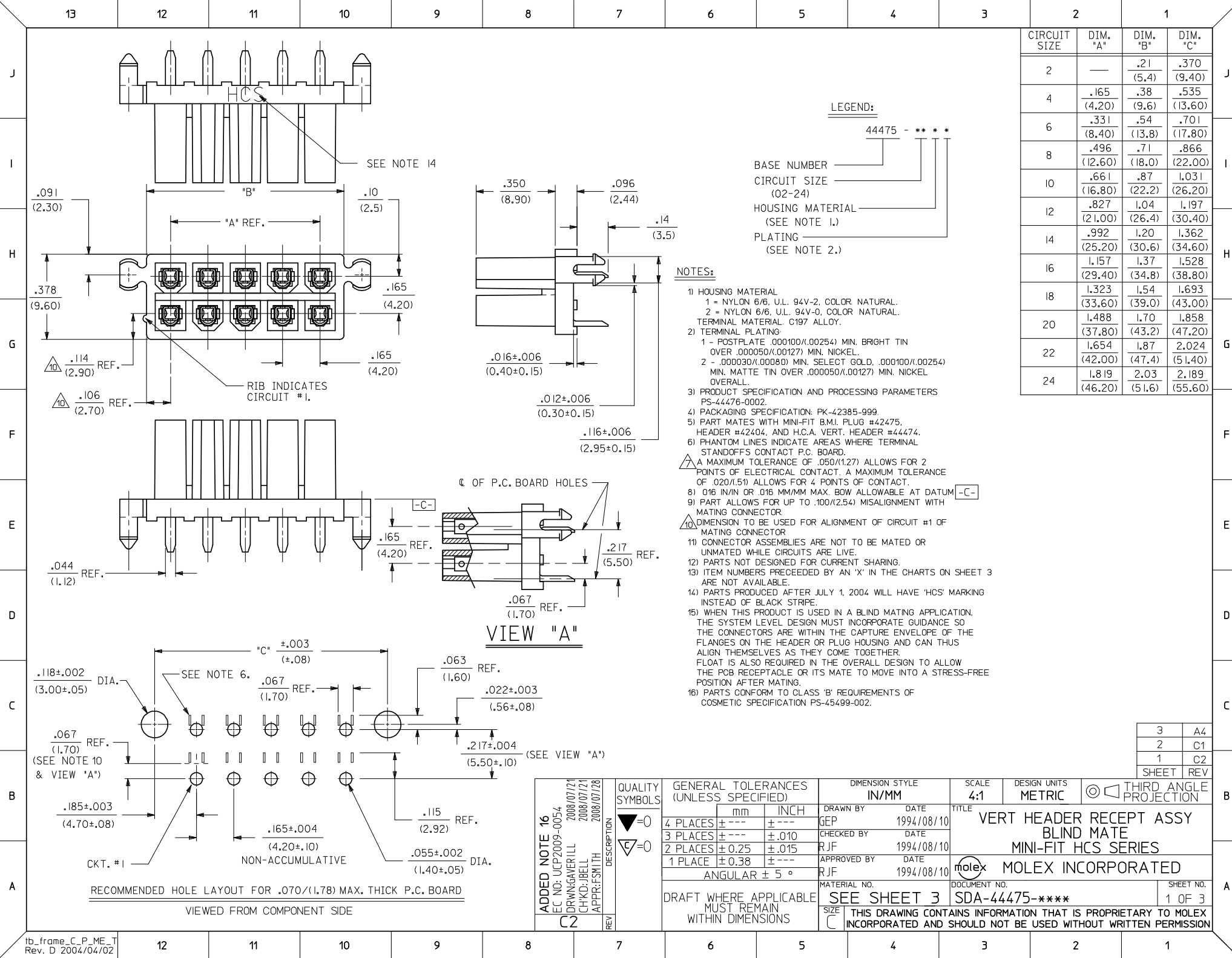
Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-44476-001, RPS-44476-001
SDA-44475-****

This document was generated on 04/09/2010

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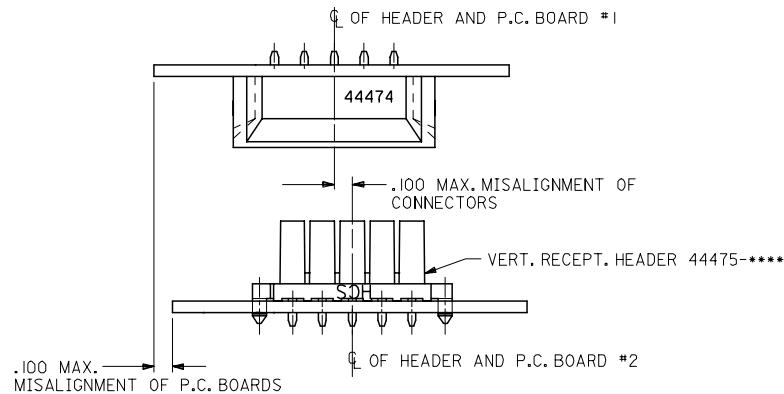
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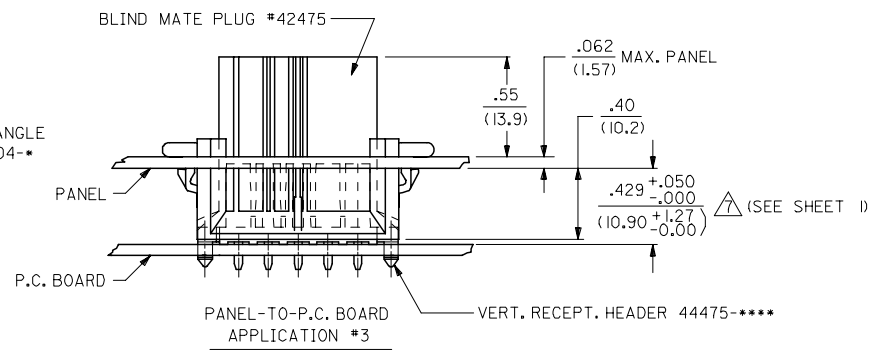
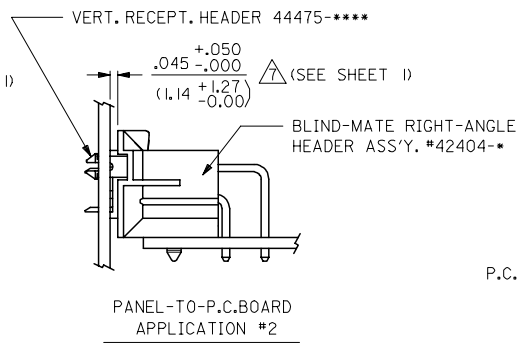
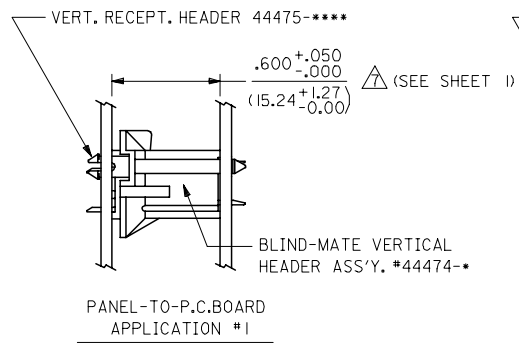
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ALIGNMENT TOLERANCES FOR .100 MAX. BOARD-TO-BOARD MISALIGNMENT
(NO CONNECTOR FLOAT)



SEE NOTE 15

SEE SHEET 1 EC NO: UCP2006-2258 DRAWN: ADRIANOL 2006/04/11 CHKD: GPOLGAR 2006/04/11 APPR: JCOMERCIAL 2006/04/12 REV: C1	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE VERT HEADER RECEPT ASSY BLIND MATE MINI-FIT HCS SERIES MOLEX INCORPORATED DOCUMENT NO. SDA-44475-**** SHEET NO. 2 OF 3				
				mm	INCH	DRAWN BY GEP	DATE 1994/08/10	APPROVED BY RJF			DATE 1994/08/10			
			4 PLACES	± ---	± ---	CHECKED BY	DATE							
			3 PLACES	± ---	± .015	RJF	1994/08/10							
			2 PLACES	± 0.38	± ---									
			1 PLACE	± ---	± ---									
			ANGULAR		± 1/2°									
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 3									
			SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

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