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Part Number: [0444751821](#)
Status: **Active**
Description: 4.20mm (.165") Pitch Mini-Fit, HCS™ Receptacle Header, Dual Row, Vertical, Blind Mating, with Snap-in Plastic Pegs, 18 Circuits

Documents:

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

General

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

Physical

Circuits (Loaded) 18
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

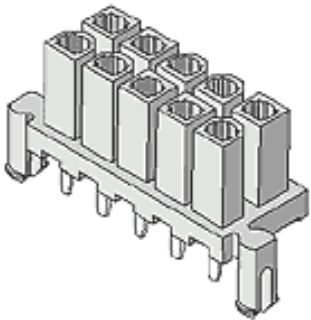
Electrical

CSA LR19980
Current - Maximum 9A
UL E29179
Voltage - Maximum 600V

Material Info

Reference - Drawing Numbers

Product Specification PS-44476-001
Sales Drawing SDA-44475-****



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
Please visit the [Contact Us](#) section for any
non-product compliance questions.

Duration at Max. 5
Process Temperature
(seconds)
Lead-free Process Wave Capable (TH
Capability only)
Max. Cycles at Max. 1
Process Temperature
Process Temperature 240
max. C

Search Parts in this Series

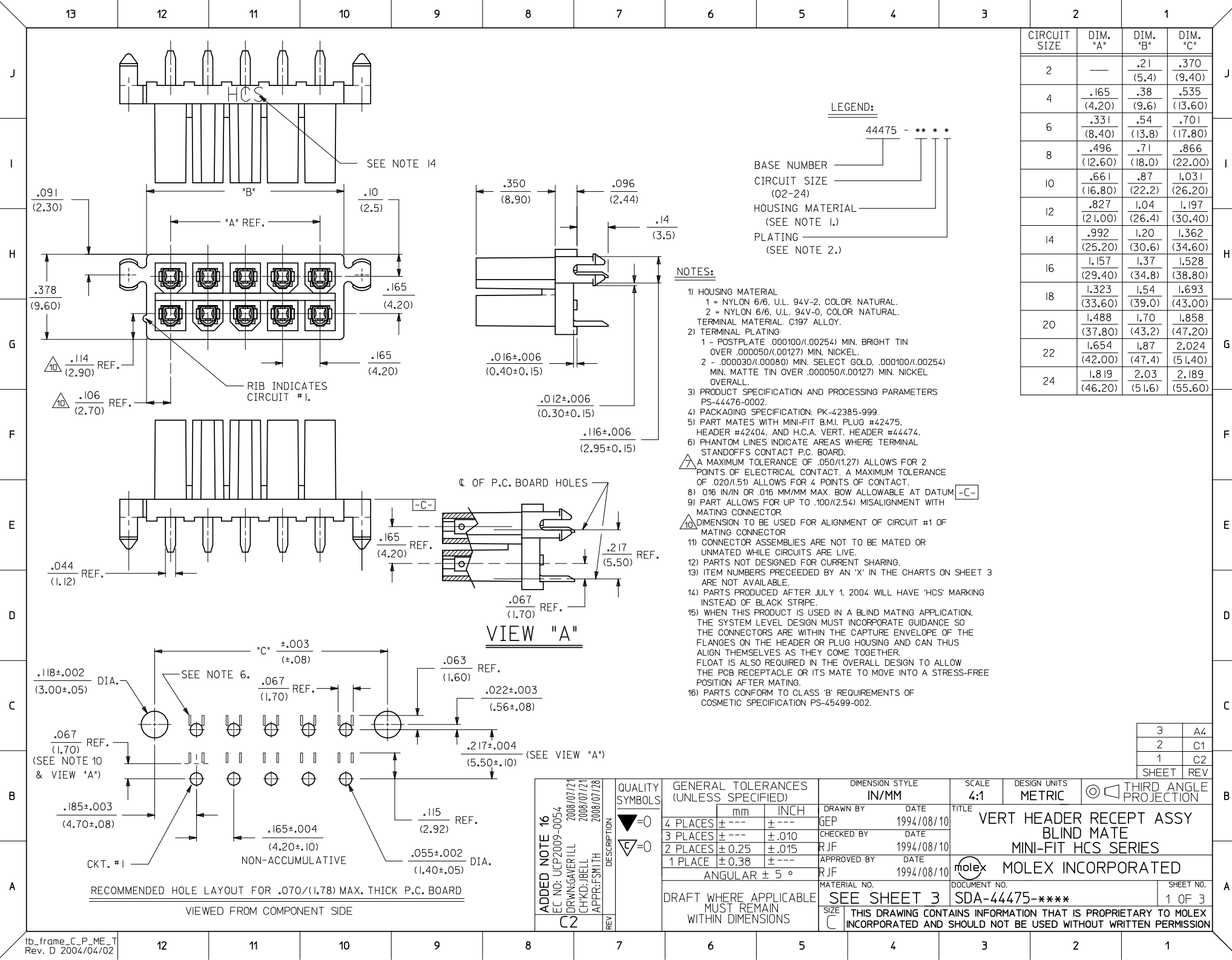
[44475 Series](#)

Mates With

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

This document was generated on 11/04/2009

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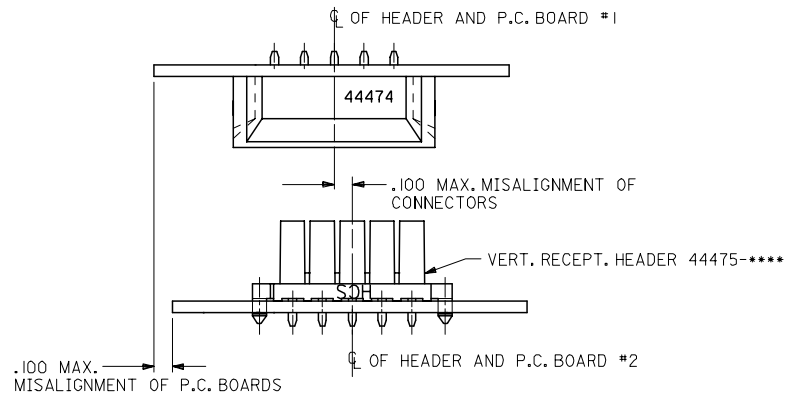
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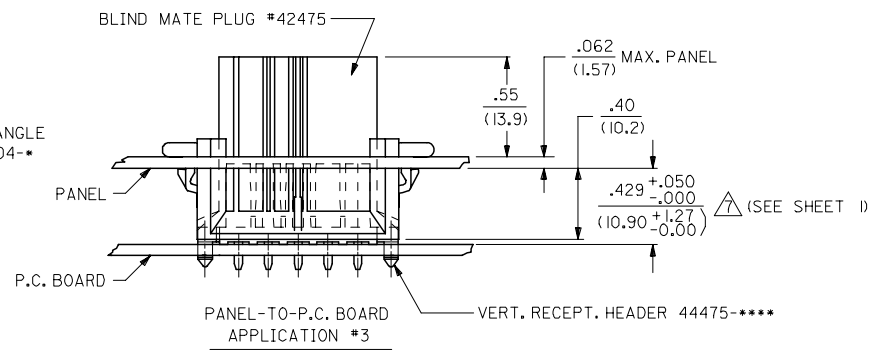
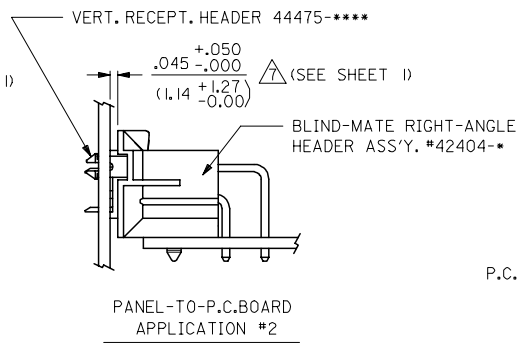
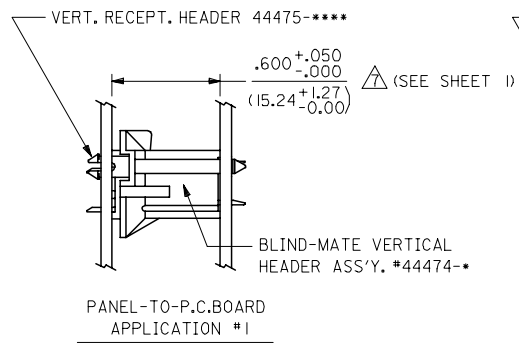
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ALIGNMENT TOLERANCES FOR .100 MAX. BOARD-TO-BOARD MISALIGNMENT
(NO CONNECTOR FLOAT)



SEE NOTE 15

SEE SHEET 1 EC NO: UCP2006-2258 DRAWN: ADRIAN L. 2006/04/11 CHKD: POLGAR 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	
			mm	INCH	DRAWN BY	DATE	VERT HEADER RECEPT ASSY BLIND MATE MINI-FIT HCS SERIES			
			4 PLACES ± ---	± ---	GEP	1994/08/10				
			3 PLACES ± ---	± .015	CHECKED BY	DATE				
			2 PLACES ± 0.38	± ---	RJF	1994/08/10	MOLEX MOLEX INCORPORATED			
			1 PLACE ± ---	± ---	APPROVED BY	DATE				
			ANGULAR ±1/2°		RJF	1994/08/10				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.			SHEET NO.
					SEE SHEET 3		SDA-44475-****			2 OF 3
					SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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