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Part Number: [0444751411](#)
Status: **Active**
Description: 4.20mm (.165") Pitch Mini-Fit, HCS™ Receptacle Header, Dual Row, Vertical, Blind Mating, with Snap-in Plastic Pegs, 14 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)	14
Color - Resin	Natural
Durability (mating cycles max)	30
Flammability	94V-2
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

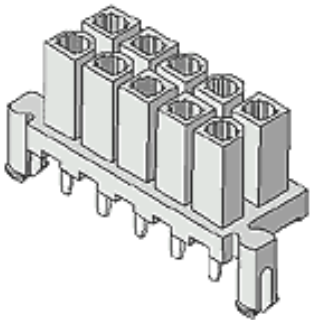
Electrical

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

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

Material Info



Series image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Contains SVHC: No**
**Halogen-Free
Status**

China RoHS



Not Reviewed

**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series

[44475 Series](#)

Mates With

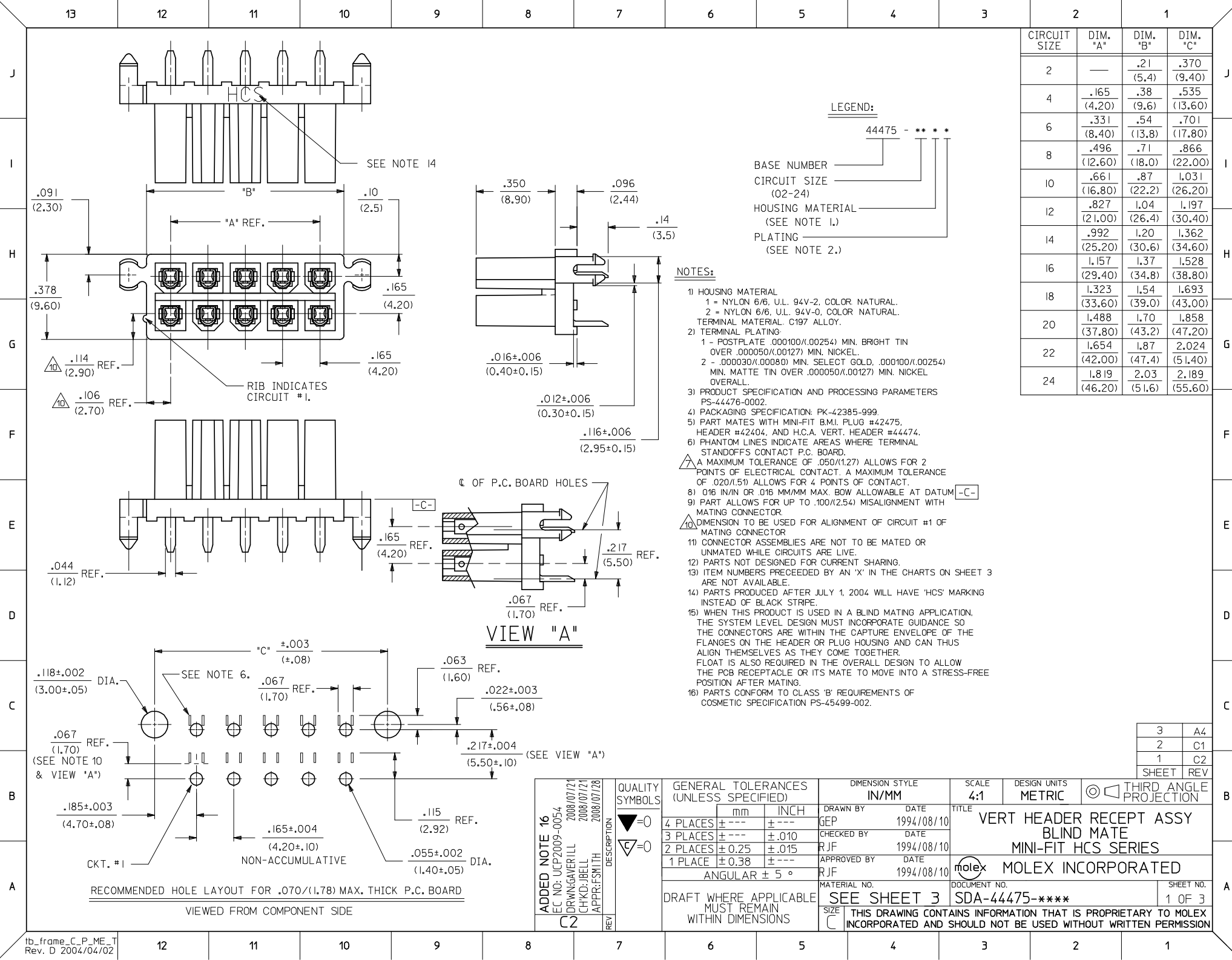
[44068](#) , [42404](#) , [44474](#) , [43810](#) , [42475](#)

Reference - Drawing Numbers

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

This document was generated on 11/04/2009

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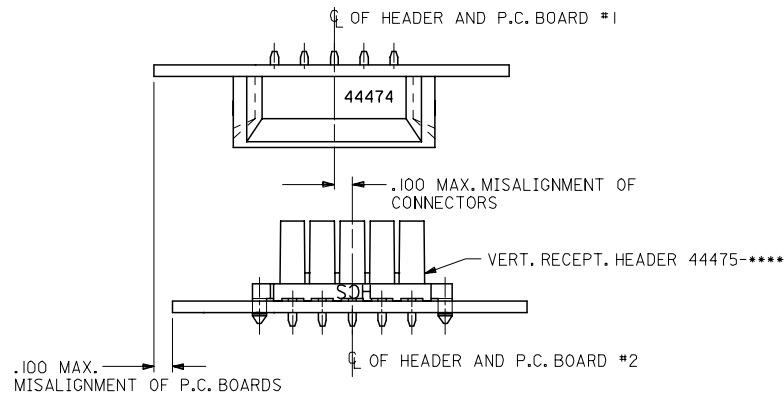
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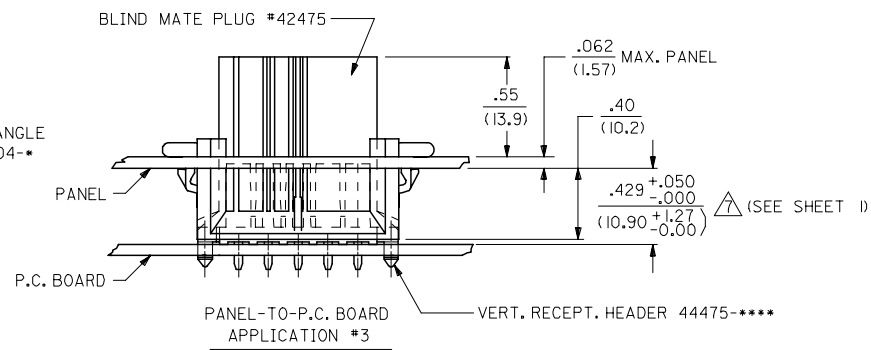
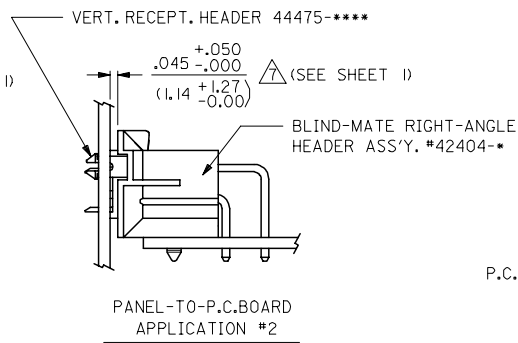
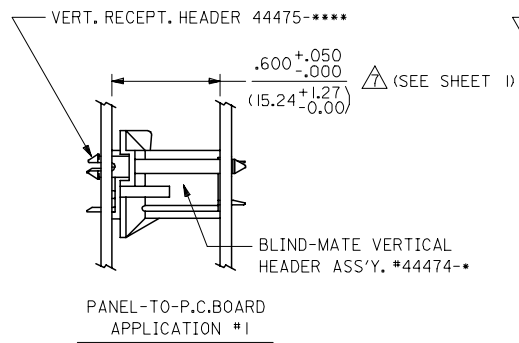
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ALIGNMENT TOLERANCES FOR .100 MAX. BOARD-TO-BOARD MISALIGNMENT
(NO CONNECTOR FLOAT)



SEE NOTE 15

SEE SHEET 1 EC NO: UCP2006-2258 DRAWN: ADRIAN L. 2006/04/11 CHKD: G. POLGAR 2006/04/11 APPR: J. COMERCIAL 2006/04/12	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	TITLE VERT HEADER RECEPT ASSY BLIND MATE MINI-FIT HCS SERIES				
			4 PLACES ± ---	± ---	GEP	1994/08/10					
			3 PLACES ± ---	± .015	CHECKED BY	DATE	MOLEX MOLEX INCORPORATED				
			2 PLACES ± 0.38	± ---	RJF	1994/08/10					
			1 PLACE ± ---	± ---	APPROVED BY	DATE	SHEET NO. 2 OF 3				
			ANGULAR ± 1/2°		RJF	1994/08/10					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE SHEET 3		DOCUMENT NO. SDA-44475-****				
			C1	REV	SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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	ITEM NUMBER				CKT. SIZE				HOUSING MATERIAL				PLATING (SEE NOTE 2)				ITEM NUMBER				CKT. SIZE				HOUSING MATERIAL				PLATING (SEE NOTE 2)																							
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	ITEM. NO. CKT. SIZE HSG. MAT'L. TERMINAL PLATING REQUIRED AT EACH CIRCUIT LOCATION:																																																			
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