

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0743370071

Status:

Active

Description:

0.80mm (.031") Pitch Ultra+™ VHDCI Wire-to-Board Receptacle, Stacked, Right Angle, with Enhanced Shield, Version 1 Footprint, 136 Circuits

Documents:

3D Model

Product Specification PS-71425-9999 (PDF)

Test Summary (PDF)

RoHS Certificate of Compliance (PDF)

Drawing (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

I/O Connectors

Series

74337

Application

Wire-to-Board

Comments

Without Top Cover

Component Type

Receptacle

Product Name

SCSI+, VHDCI

Type

N/A

Physical

Boot Color

N/A

Circuits (Loaded)

136

Circuits (maximum)

136

Color - Resin

Black

Durability (mating cycles max)

500

Flammability

94V-0

Gender

Female

Lock to Mating Part

Yes

Material - Metal

Brass

Material - Plating Mating

Tin

Material - Plating Termination

Tin

Material - Resin

High Temperature Thermoplastic

Number of Rows

4

Orientation

Right Angle

PC Tail Length (in)

0.143 In

PC Tail Length (mm)

3.62 mm

PCB Locator

Yes

PCB Retention

Yes

PCB Thickness Recommended (in)

0.093 In

PCB Thickness Recommended (mm)

2.36 mm

Packaging Type

Tray

Panel Mount

No

Pitch - Mating Interface (in)

0.031 In

Pitch - Mating Interface (mm)

0.80 mm

Pitch - Term. Interface (in)

0.031 In

Pitch - Term. Interface (mm)

0.80 mm

Plating min: Mating (µin)

40

Plating min: Mating (µm)

1.00

Plating min: Termination (µin)

40

Plating min: Termination (µm)

1.00

Polarized to Mating Part

Yes

Polarized to PCB

Yes

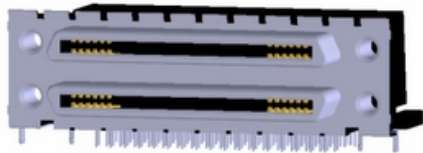


image - Reference only

Series

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS



Pb

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

74337Series

Mates With

Ultra+™ VHDCI Plug Kit 71425

Ports	2
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +85°C
Termination Interface: Style	Through Hole
Waterproof / Dustproof	No
Wire Size AWG	N/A

Electrical

Current - Maximum per Contact	0.5A
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	30V AC (RMS)/DC

Solder Process Data

Duration at Max. Process Temperature (seconds)	40
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	245

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-74337-001
Product Specification	PS-71425-9999
Sales Drawing	SD-74337-014

This document was generated on 05/28/2010

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NOTES:

1. MATERIALS:

HOUSING, COVER, AND TAIL ALIGNER: HIGH TEMPERATURE
THERMOPLASTIC, UL94, V-0 RATED, COLOR: BLACK
TERMINAL: PHOSPHOR BRONZE ALLOY
BRACKET: BRASS
SHELL: STEEL
INSERT: BRASS

2. FINISHES:

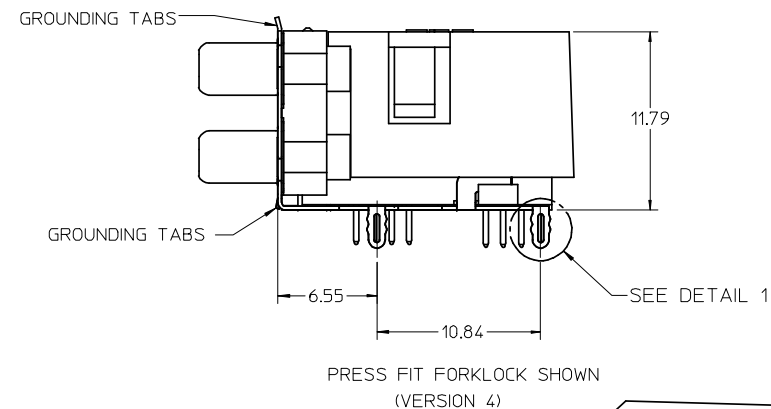
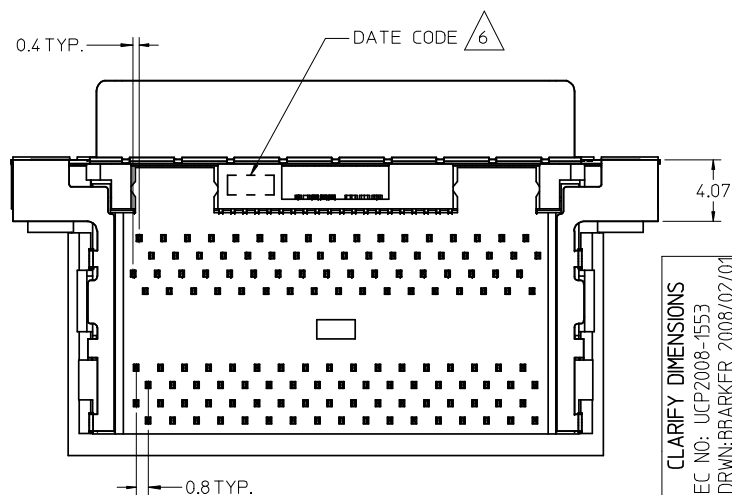
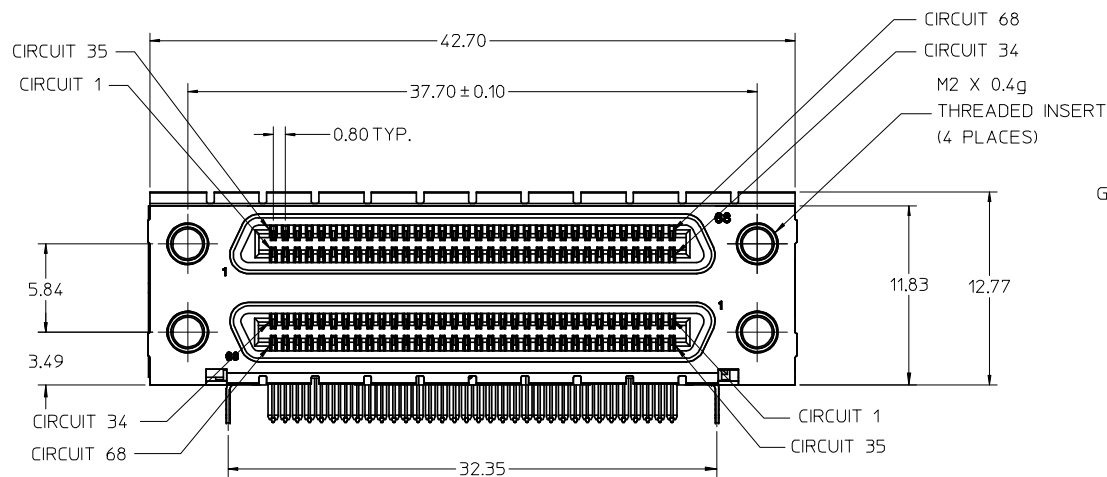
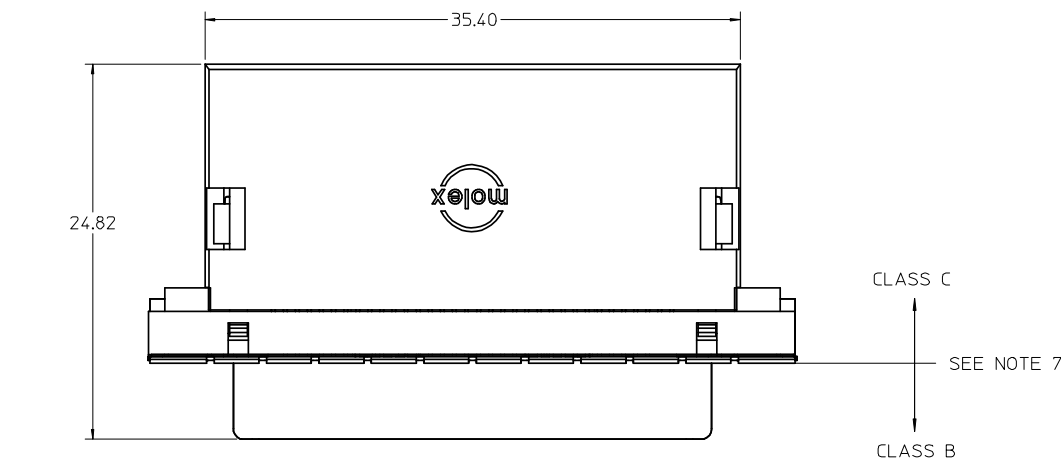
TERMINAL: 0.05-0.25 MICROMETERS GOLD FLASH IN CRITICAL
AREA OVER 0.75 MICROMETERS MINIMUM PALLADIUM NICKEL
IN CRITICAL AREA, 1.87 MICROMETERS MINIMUM TIN IN
SOLDER TAIL AREA, ALL OVER NICKEL.
BRACKET: 5.0 MICROMETERS MINIMUM BRIGHT TIN.
SHIELD: 3.81 MICROMETERS MINIMUM BRIGHT TIN OVER 1.27
MICROMETERS MINIMUM NICKEL OVER COPPER FLASH (OPTIONAL).
INSERT: 2.54 MICROMETERS MINIMUM NICKEL.

3. PRODUCT SPECIFICATION: PS-71425-9999.

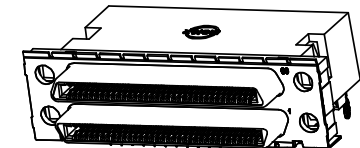
4. PACKAGING SPECIFICATION: TRAY PACK PER PK-74337-001.

5. APPLICABLE STANDARDS: EIA-700A0AF AND SFF-8441.

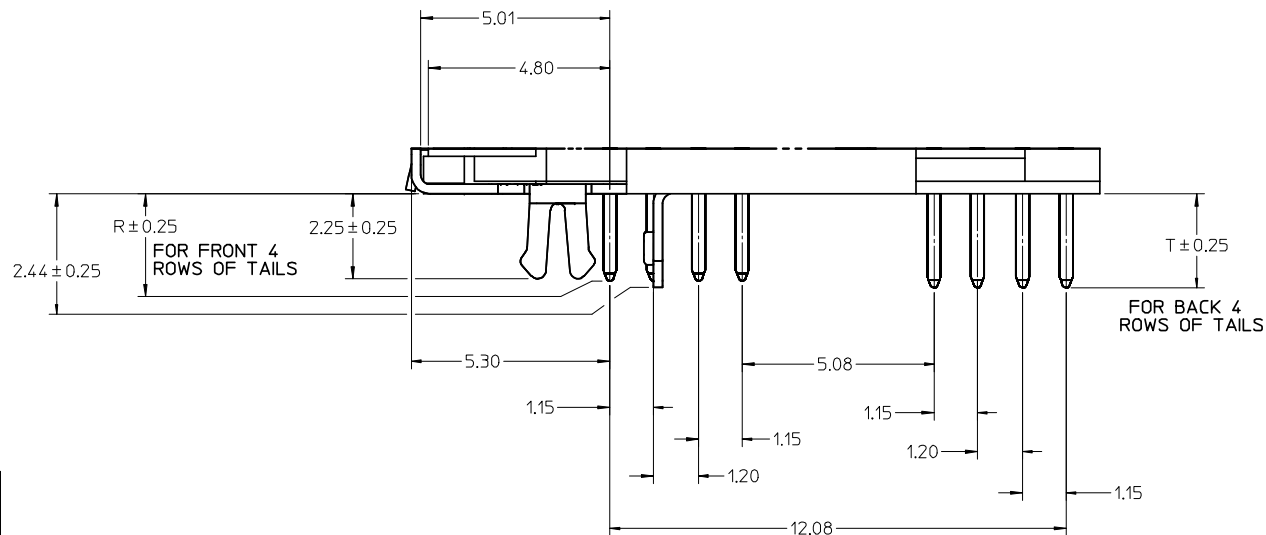
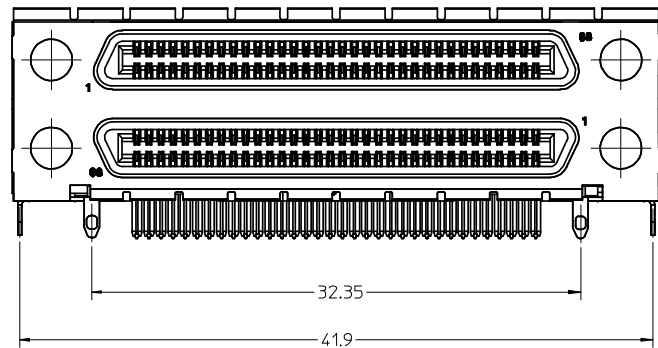
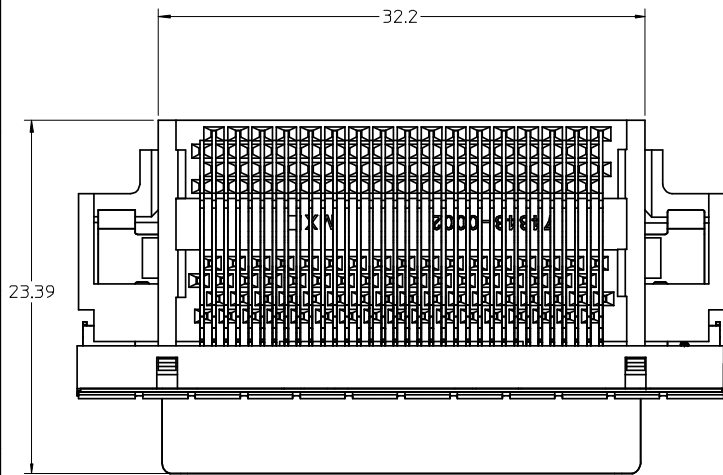
△ DATE CODE: YR/WK PER EIA-476-A.

7. PRODUCT COMPLIES WITH COSMETIC SPECIFICATION PS-45499-002.
SEE FIGURE AT LEFT FOR SURFACE CLASSIFICATIONS.8. TORQUE TO INSTALL SCREWLOCKS INTO THREADED INSERTS:
0.34 Nm MAXIMUM.

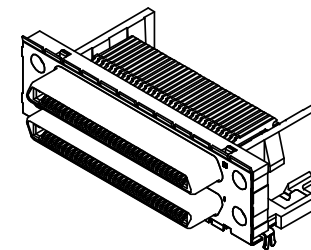
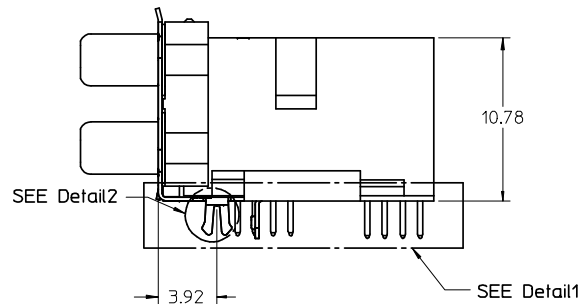
WITH COVER OPTION



CLARIFY DIMENSIONS EC NO: UCP2008-1553 DRWN:BBARKER 2008/02/01 CHKD:DMORGAN 2008/02/07 APPR:SMILLER 2008/02/08	DESCRIPTION	QUALITY SYMBOLS ▽ = 0 ▽C = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY		



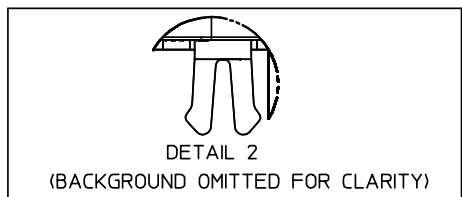
Detail1
SCALE 10:1



WITHOUT COVER OPTION

CLARIFY DIMENSIONS EC NO: UCP2008-1553 DRWN:BBARKER 2008/02/01 CHKD:DMORGAN 2008/02/07 APPR:SMILLER 2008/02/08	DESCRIPTION	QUALITY SYMBOLS ▽ = 0 ▽C = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY				
				mm	INCH	DIMENSION STYLE MM ONLY		TITLE VHDCI STACKED ASSEMBLY					
			4 PLACES	± ---	± ---	DRAWN BY SSAMPSON		DATE 05.08.2001					
			3 PLACES	± ---	± ---	CHECKED BY MBANAKIS		DATE 05.08.2001		MOLEX MOLEX INCORPORATED			
			2 PLACES	± 0.13	± ---	APPROVED BY MBANAKIS		DATE 05.08.2001		MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-74337-014	SHEET NO. 2 OF 4
			1 PLACE	± 0.25	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
	REV												

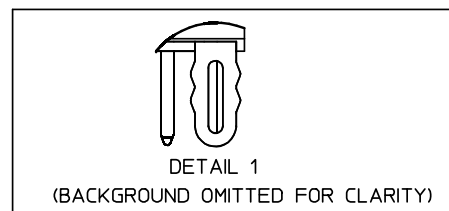
VERSION 1 PART NUMBERS



BOARD RETENTION: SNAP FIT

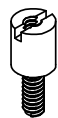
PCB THICKNESS	COVER	R DIM.	T DIM.	INCLUDES LOOSE PACKED SCREWLOCKS 71433-0002 SEE DRAWING SD-71433-005	GROUNDING TABS	PART NUMBER
1.60±0.16	YES	2.30	2.48	NO	YES	74337-0011
1.60±0.16	YES	2.08		NO	YES	74337-0012
1.60±0.16	NO	2.30	2.48	NO	YES	74337-0015
1.60±0.16	NO	2.08		NO	YES	74337-0016
1.60±0.16	YES	2.30	2.48	YES	YES	74337-0037
1.60±0.16	YES	2.08		YES	YES	74337-0038
1.60±0.16	NO	2.30	2.48	YES	YES	74337-0039
1.60±0.16	NO	2.08		YES	YES	74337-0040
2.36±0.16	YES	3.44	3.62	NO	YES	74337-0070
2.36±0.16	NO	3.44	3.62	NO	YES	74337-0071
2.36±0.16	YES	3.44	3.62	YES	YES	74337-0072
2.36±0.16	NO	3.44	3.62	YES	YES	74337-0073
1.60±0.16	YES	2.08		INSTALLED ON PART	YES	74337-1038

VERSION 4 PART NUMBERS



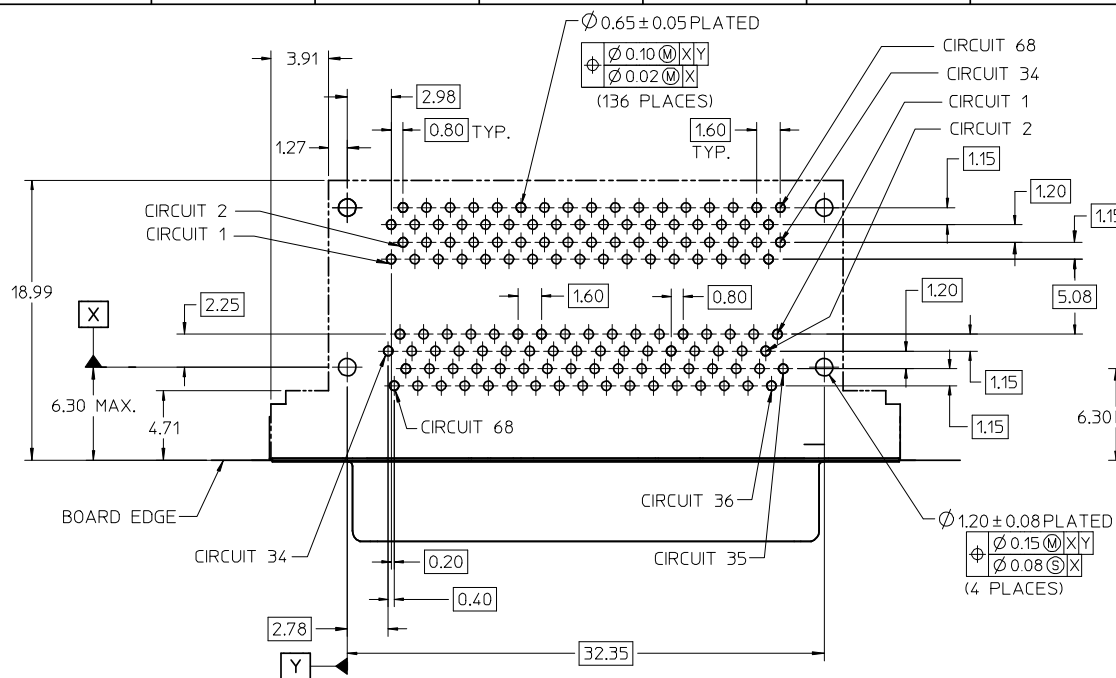
BOARD RETENTION: PRESS FIT

PCB THICKNESS	COVER	R DIM.	T DIM.	INCLUDES LOOSE PACKED SCREWLOCKS 71433-0002 SEE DRAWING SD-71433-005	GROUNDING TABS	PART NUMBER
1.60±0.16	YES	2.30	2.48	NO	YES	74337-0050
1.60±0.16	YES	2.08		NO	NO	74337-0051
1.60±0.16	NO	2.30	2.48	NO	YES	74337-0060
1.60±0.16	NO	2.08		NO	YES	74337-0061
1.60±0.16	YES	2.08		NO	YES	74337-0066
1.60±0.16	YES	2.30	2.48	YES	YES	74337-0053
1.60±0.16	YES	2.08		YES	YES	74337-0054
1.60±0.16	NO	2.30	2.48	YES	YES	74337-0063
1.60±0.16	NO	2.08		YES	YES	74337-0064
2.36±0.16	YES	3.44	3.62	NO	YES	74337-0052
2.36±0.16	NO	3.44	3.62	NO	YES	74337-0062
2.36±0.16	YES	3.44	3.62	YES	YES	74337-0055
2.36±0.16	NO	3.44	3.62	YES	YES	74337-0065
1.60±0.16	YES	2.08		INSTALLED ON PART	YES	74337-1054

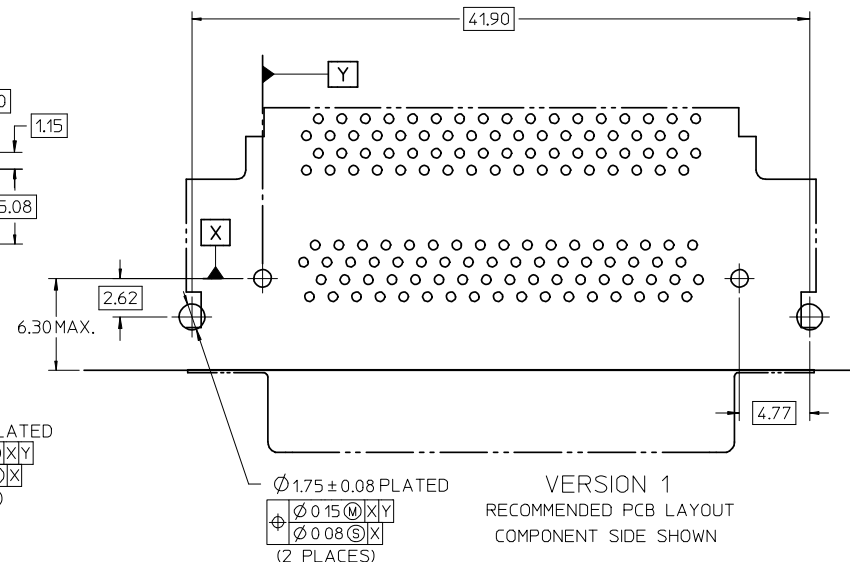


OPTIONAL SCREWLOCK
71433-0002

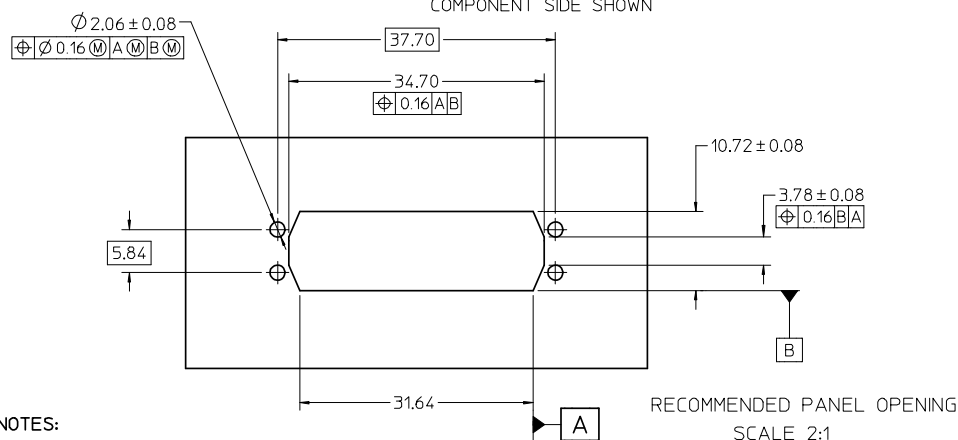
CLARIFY DIMENSIONS EC NO: UCP2008-1553 DRWN:BBARKER 2008/02/01 CHKD:DMORGAN 2008/02/07 APPR: SMILLER 2008/02/08	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY			
		 0					DIMENSION STYLE MM ONLY		TITLE VHDCI STACKED ASSEMBLY			
			4 PLACES		± ---	± ---	DRAWN BY		DATE			
			3 PLACES		± ---	± ---	SSAMPSON		05.08.2001			
			2 PLACES		± 0.13	± ---	CHECKED BY		DATE			
			1 PLACE		± 0.25	± ---	MBANAKIS		05.08.2001			
		 0			ANGULAR ± 1 °		APPROVED BY		DATE			
					DRAFT WHERE APPLICABLE		MBANAKIS		05.08.2001			
					MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



VERSION 4
RECOMMENDED PCB LAYOUT
COMPONENT SIDE SHOWN



SAME AS VERSION 4 EXCEPT AS SHOWN



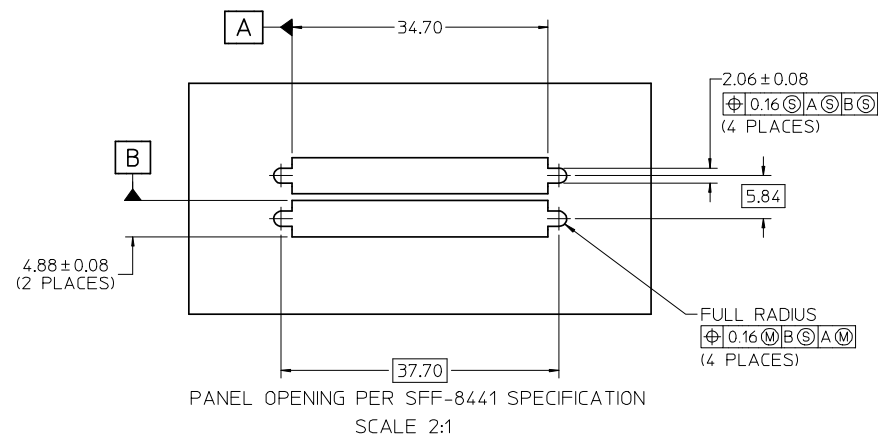
NOTES:

1. FOR FULL MATE WITH PLUG, PANEL THICKNESS SHOULD NOT EXCEED 1.0mm.

FUNCTIONAL MATING WITH MOLEX PLUG CAN STILL BE MAINTAINED WITH PANELS AS THICK AS 2.5mm (BUT PLUG AND RECEPTACLE WILL NOT BE FULLY MATED).

- ## 2. GUIDELINES FOR CHOOSING A MOLEX SCREWLOCK:

PANEL THICKNESS	RECOMMENDED SCREWLOCK
LESS THAN OR EQUAL TO 1.00 MM	71433-0002
1.01 TO 2.15 MM	71433-0010



PANEL OPENING PER SFF-8441 SPECIFICATION
SCALE 2:1

CLARIFY DIMENSIONS EC NO: UCP2008-1553 DRWN:BBARKER 2008/02/07 CHKD:DMORGAN 2008/02/07 APPR:SMILLER 2008/02/08	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY	
		 - 0		mm	INCH	DIMENSION STYLE MM ONLY		TITLE VHDCI STACKED ASSEMBLY			
			4 PLACES	± ---	± ---	DRAWN BY DATE					
			3 PLACES	± ---	± ---	SSAMPSON 05.08.2001					
			2 PLACES	± 0.13	± ---	CHECKED BY DATE					
			1 PLACE	± 0.25	± ---	MBANAKIS 05.08.2001					
		 - 0	ANGULAR ± 1 °			APPROVED BY DATE		MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-74337-014	SHEET NO. 4 OF 4	
DRAFT WHERE APPLICABLE			MBANAKIS 05.08.2001								
MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								
REV											

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Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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Электронная почта: ocean@oceanchips.ru

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