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Part Number: [0743370051](#)
Status: **Active**
Description: 0.80mm (.031") Pitch Ultra+™ VHDCI Wire-to-Board Receptacle, Stacked, Right Angle, with or without Enhanced Shield, Version 4 Footprint, 136 Circuits

Documents:

3D Model	Product Specification PS-71425-9999 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Test Summary (PDF)	

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	I/O Connectors
Series	74337
Application	Wire-to-Board
Comments	With 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)	0.082 In
PC Tail Length (mm)	2.08 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.063 In
PCB Thickness Recommended (mm)	1.60 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

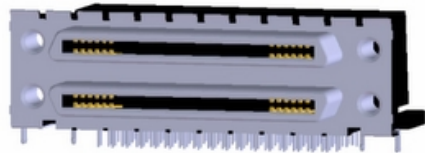


image - Reference only

Series

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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.

China RoHS



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:

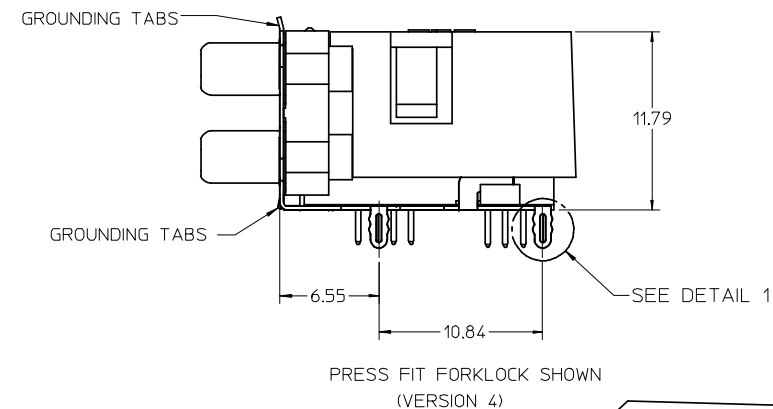
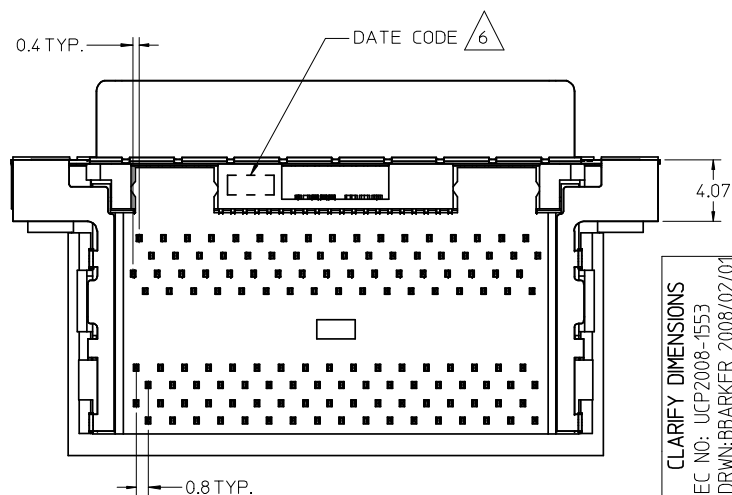
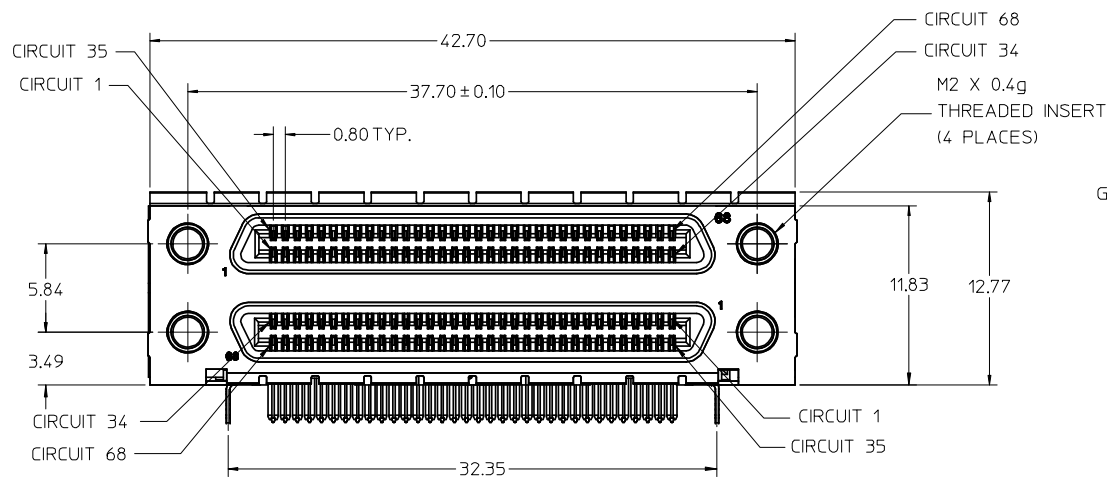
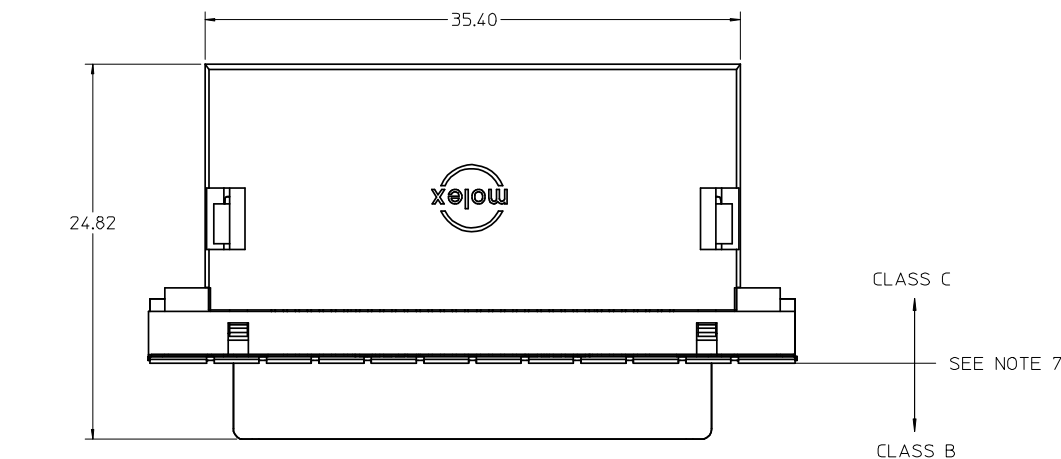
TERMINAL: 0.05-0.25 MICROMETERS GOLD FLASH IN CRITICAL
AREA OVER 0.75 MICROMETERS MINIMUM PALLADIUM NICKEL
IN CRITICAL AREA, 1.87 MICROMETERS MINIMUM TIN IN
SOLDER TAIL AREA, ALL OVER NICKEL.
BRACKET: 5.0 MICROMETERS MINIMUM BRIGHT TIN.
SHIELD: 3.81 MICROMETERS MINIMUM BRIGHT TIN OVER 1.27
MICROMETERS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

3. PRODUCT SPECIFICATION: PS-71425-9999.

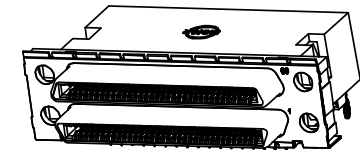
4. PACKAGING SPECIFICATION: TRAY PACK PER PK-74337-001.

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

△ DATE CODE: YR/WK PER EIA-476-A.

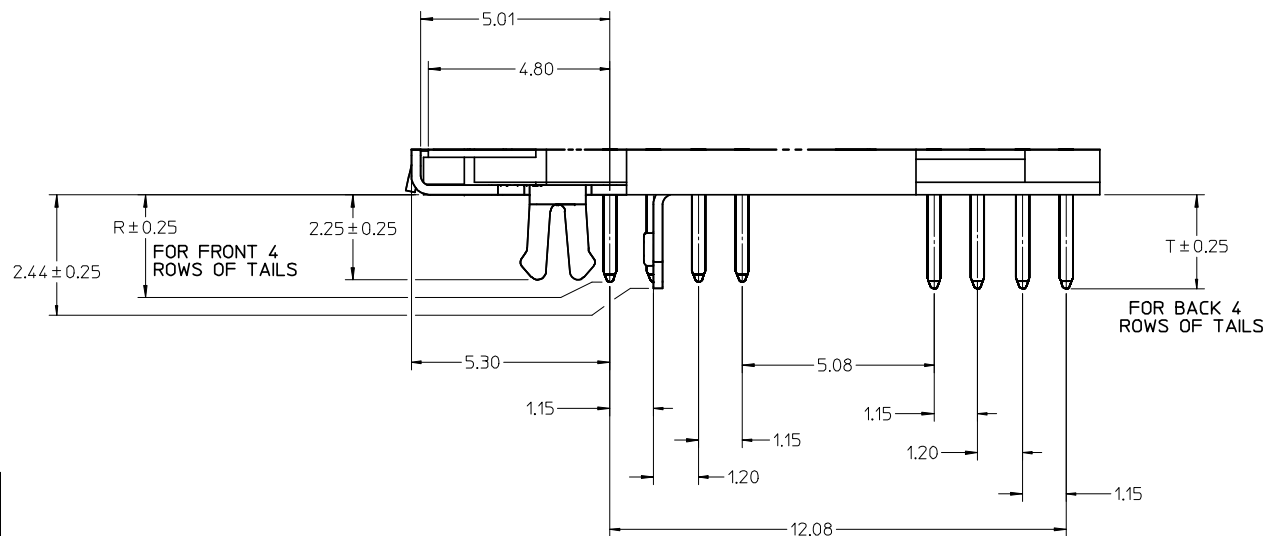
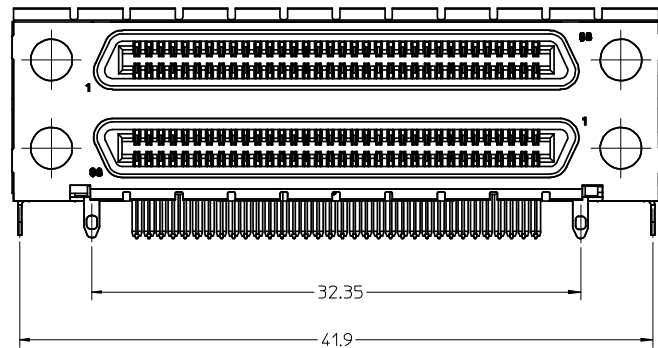
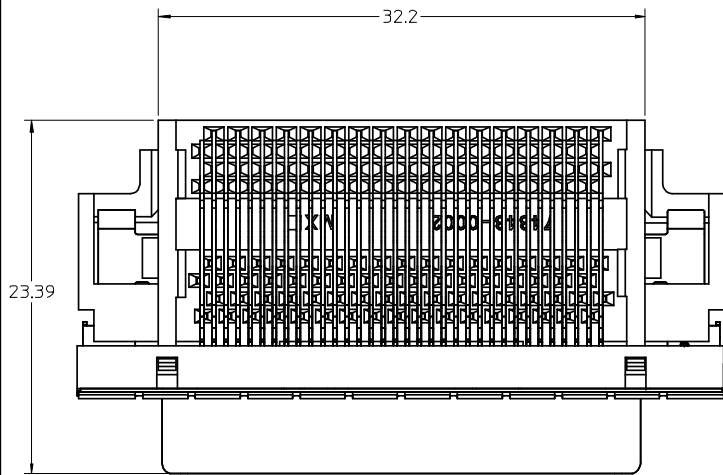
7. PRODUCT COMPLIES WITH COSMETIC SPECIFICATION PS-45499-002.
SEE FIGURE AT LEFT FOR SURFACE CLASSIFICATIONS.8. TORQUE TO INSTALL SCREWLOCKS INTO THREADED INSERTS:
0.34 Nm MAXIMUM.

WITH COVER OPTION

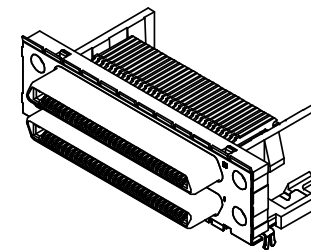
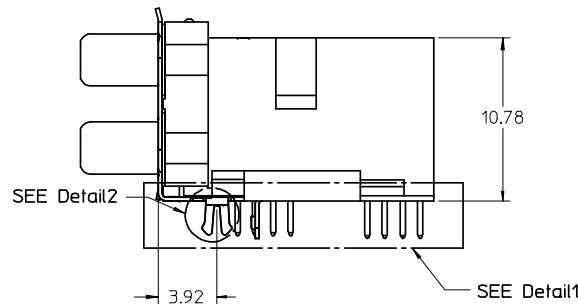


CLARIFY DIMENSIONS EC NO: UCP2008-1553 DRWN:BBARKER 2008/02/01 CHKD:DMORGAN 2008/02/07 APPR:SMILLER 2008/02/08	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY				
		 = 0  = 0		mm	INCH	DIMENSION STYLE MM ONLY		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. 1 OF 4
	1 PLACE	± 0.25	± ---										
	ANGULAR ± 1 °												
	DRAFT WHERE APPLICABLE												
	MUST REMAIN WITHIN DIMENSIONS												

12 11 10 9 8 7 6 5 4 3 2 74337



Detail1
SCALE 10:1

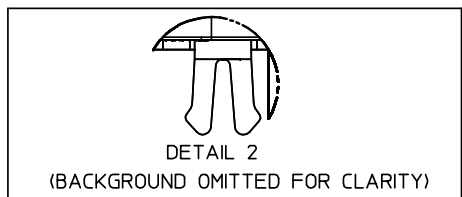


WITHOUT COVER OPTION

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 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	± ---							
			ANGULAR ± 1 °									
			DRAFT WHERE APPLICABLE									
			MUST REMAIN WITHIN DIMENSIONS									

11 10 9 8 7 6 5 4 3 2 1

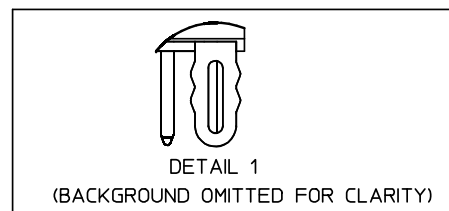
VERSION 1 PART NUMBERS



BOARD RETENTION: SNAP FIT

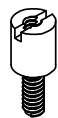
PCB THICKNESS	COVER	R DIM.	T DIM.	INCLUDES LOOSE PACKED SCREWLOCKS 71433-0002 SEE DRAWING SD-71433-005	GROUNDING TABS	PART NUMBER
1.60±0.16	YES	2.30	2.48	NO	YES	74337-0011
1.60±0.16	YES	2.08		NO	YES	74337-0012
1.60±0.16	NO	2.30	2.48	NO	YES	74337-0015
1.60±0.16	NO	2.08		NO	YES	74337-0016
1.60±0.16	YES	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



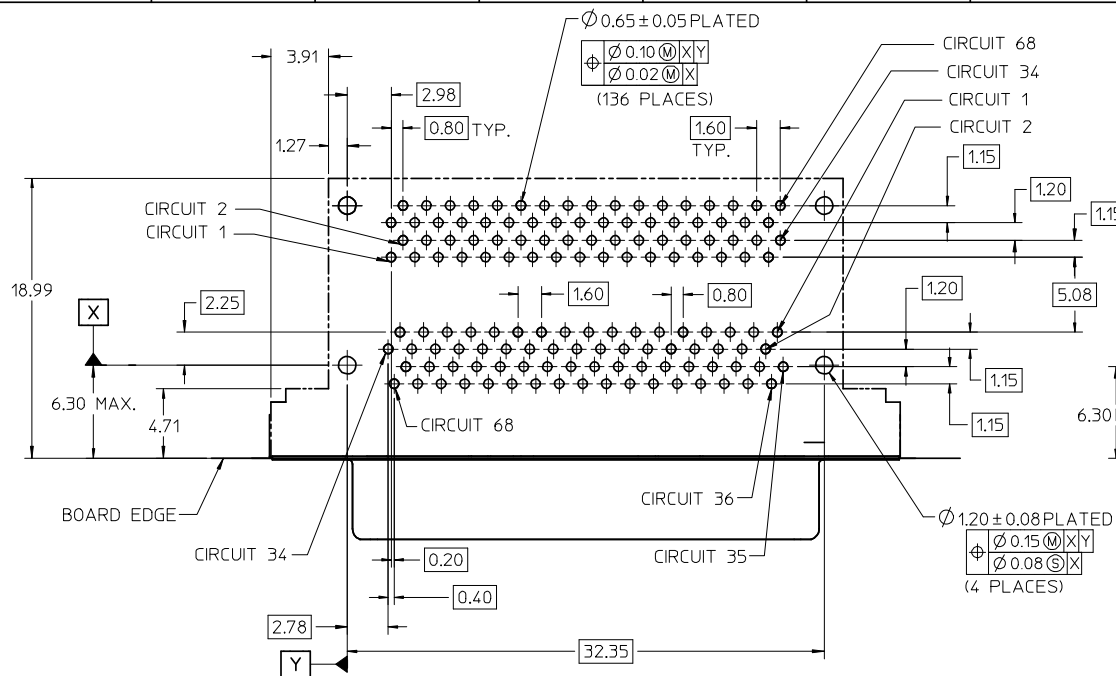
BOARD RETENTION: PRESS FIT

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

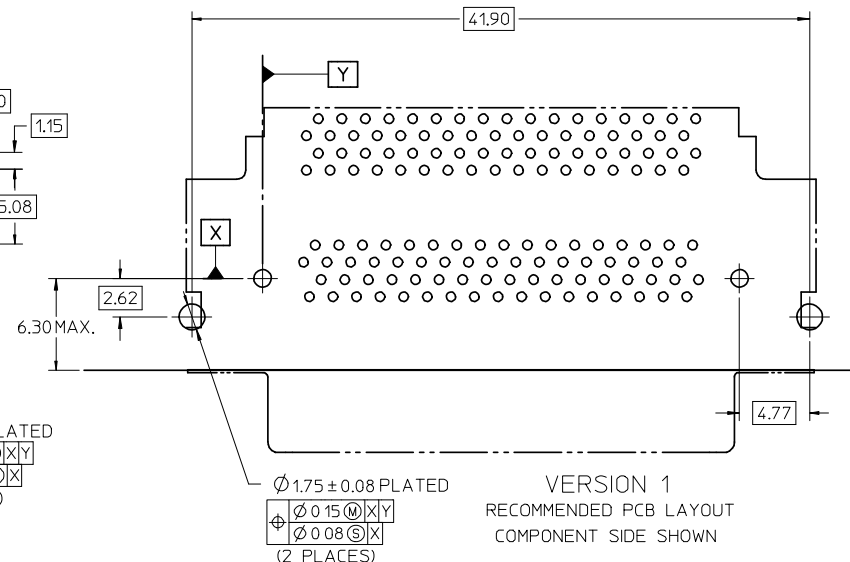


OPTIONAL SCREWLOCK
71433-0002

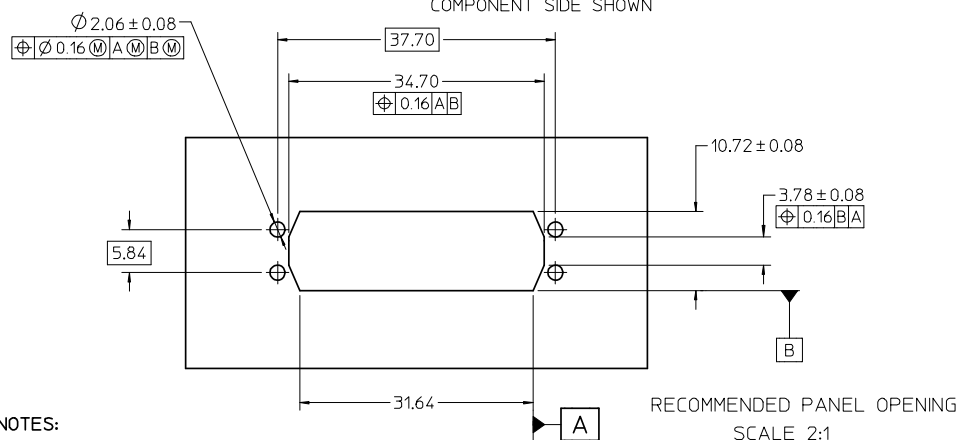
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				mm	INCH	DIMENSION STYLE MM ONLY		TITLE VHDCI STACKED ASSEMBLY					
			4 PLACES	± ---	± ---	DRAWN BY SSAMPSON		DATE 05.08.2001					
			3 PLACES	± ---	± ---	CHECKED BY MBANAKIS		DATE 05.08.2001		MOLEX MOLEX INCORPORATED			
			2 PLACES	± 0.13	± ---	APPROVED BY MBANAKIS		DATE 05.08.2001		MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-74337-014	SHEET NO. 3 OF 4
			1 PLACE	± 0.25	± ---								
			ANGULAR ± 1 °										
R	REV		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							
						C							



VERSION 4
RECOMMENDED PCB LAYOUT
COMPONENT SIDE SHOWN



SAME AS VERSION 4 EXCEPT AS SHOWN



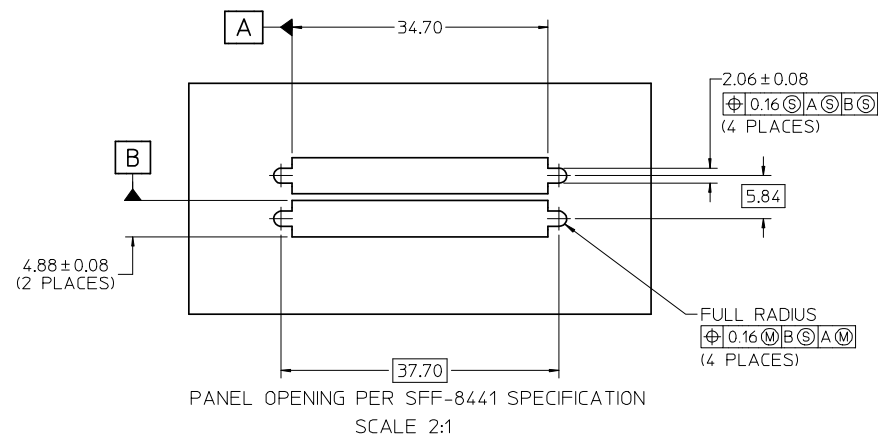
NOTES:

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:DMORGAN2008/02/07 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  0		mm	INCH	DIMENSION STYLE MM ONLY		TITLE VHDCI STACKED ASSEMBLY					
			4 PLACES	± ---	± ---	DRAWN BY SSAMPSON DATE 05.08.2001		MOLEX MOLEX INCORPORATED MATERIAL NO. SEE TABLE DOCUMENT NO. SD-74337-014 SHEET NO. 4 OF 4					
			3 PLACES	± ---	± ---	CHECKED BY MBANAKIS DATE 05.08.2001							
			2 PLACES	± 0.13	± ---	APPROVED BY MBANAKIS DATE 05.08.2001							
			1 PLACE	± 0.25	± ---								
			ANGULAR ± 1 °										
		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						
							C						

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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;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- 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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