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Part Number: [0743370060](#)
Status: **Active**
Description: 0.80mm (.031") Pitch Ultra+™ VHDCI Receptacle, Stacked, Right Angle, Four Press-Fit Boardlocks, 136 Circuits, PC Tail Length 2.30mm (.091")

Documents:
[3D Model](#) [Product Specification PS-71425-9999 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

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) 0.098 In
PC Tail Length (mm) 2.48 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 Yes
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
Ports 2

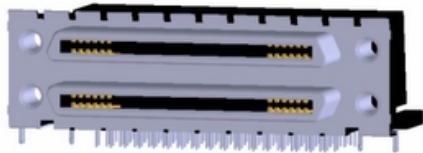


image - Reference only **Series**

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
[71425](#) Ultra+™ VHDCI Plug Kit

Use With
[714330002](#) Screwlocks

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
Grounding to Panel	Screw Hole
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

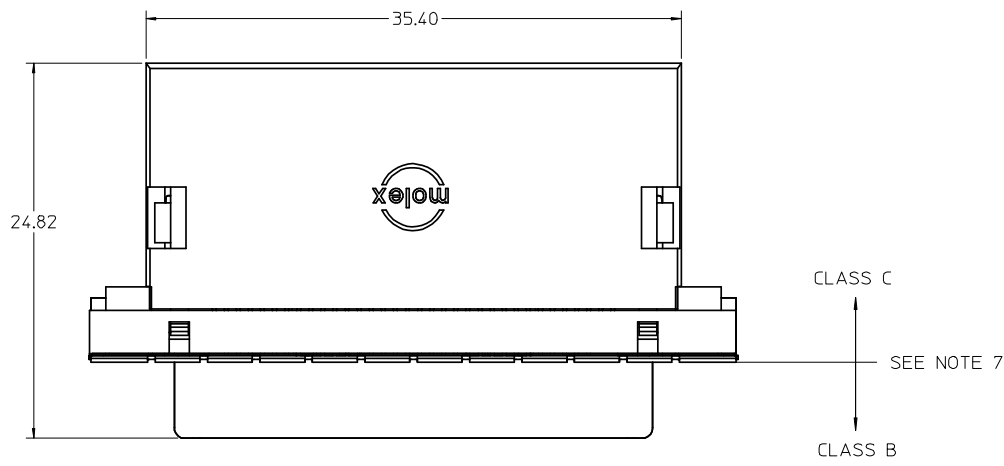
Material Info

Reference - Drawing Numbers

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

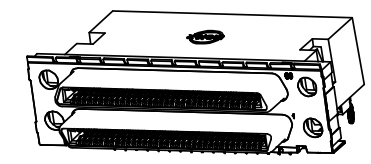
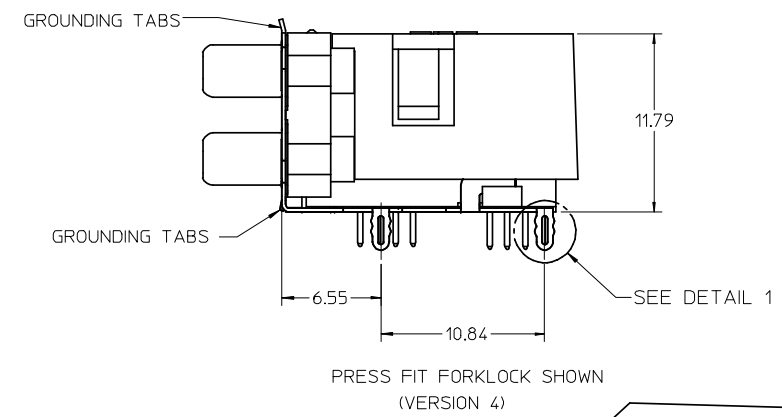
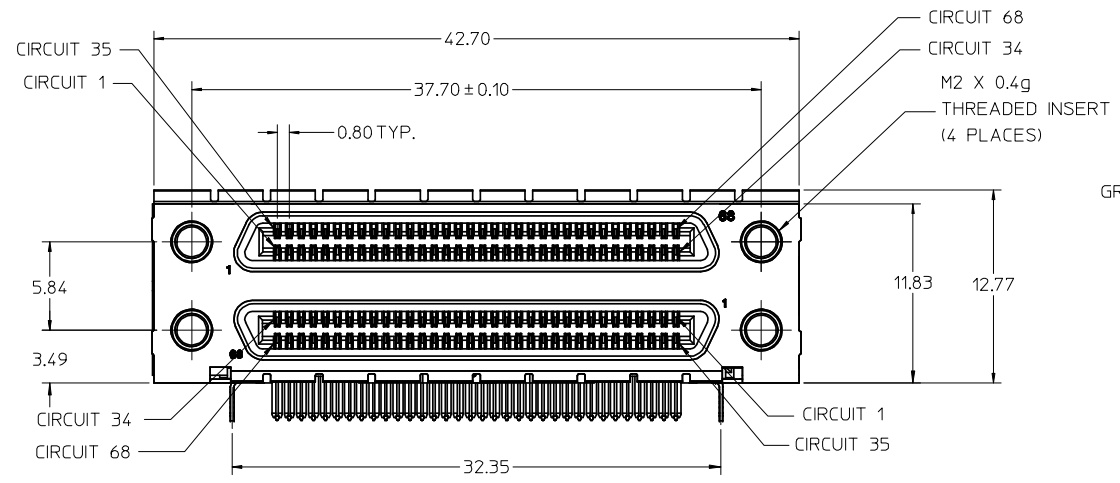
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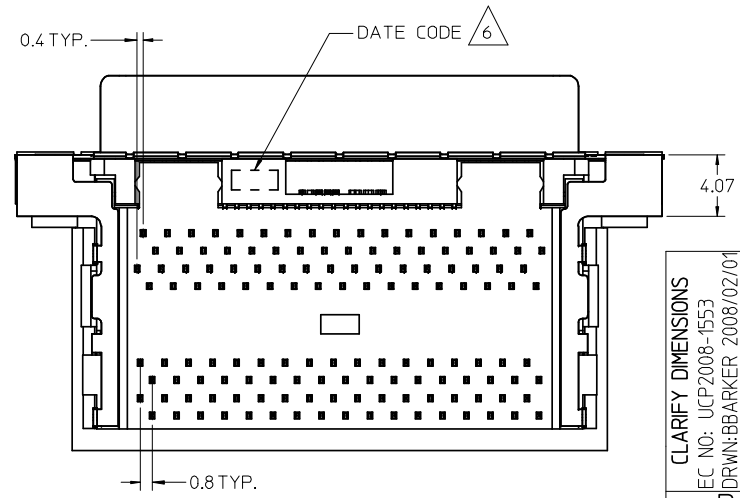


NOTES:

- 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.
- 6. 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.

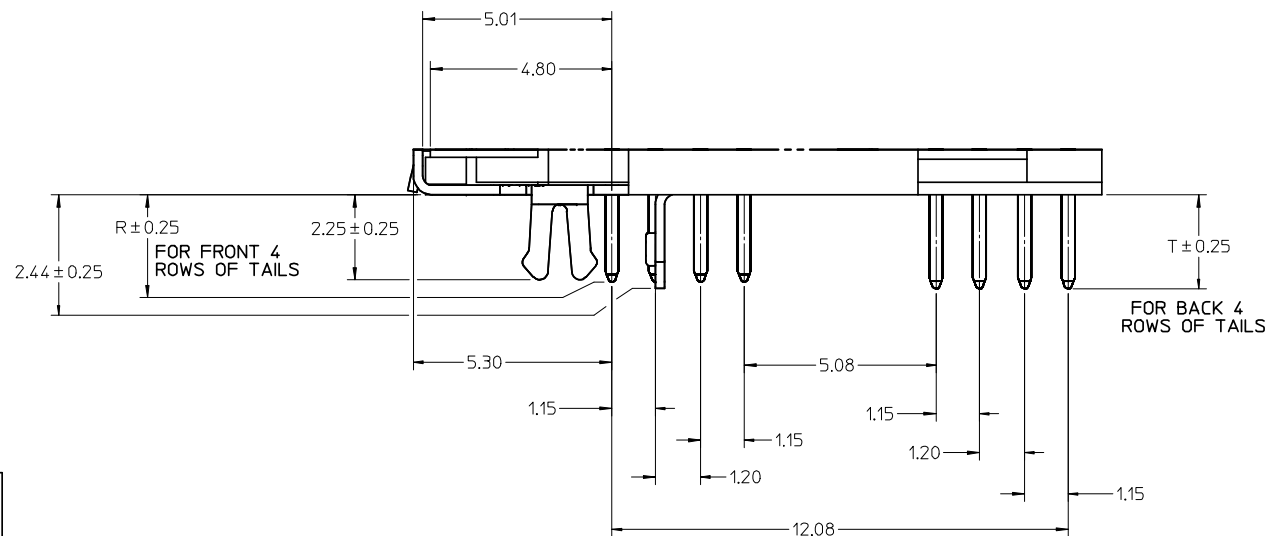
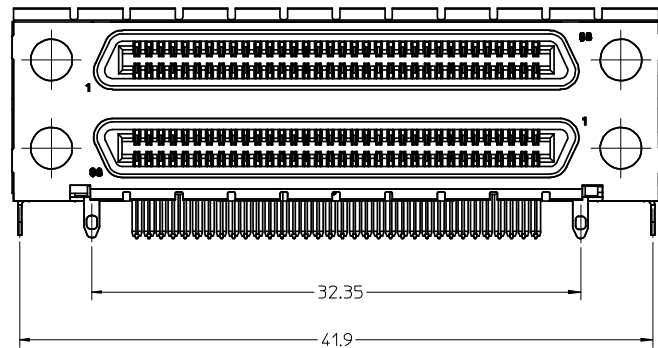
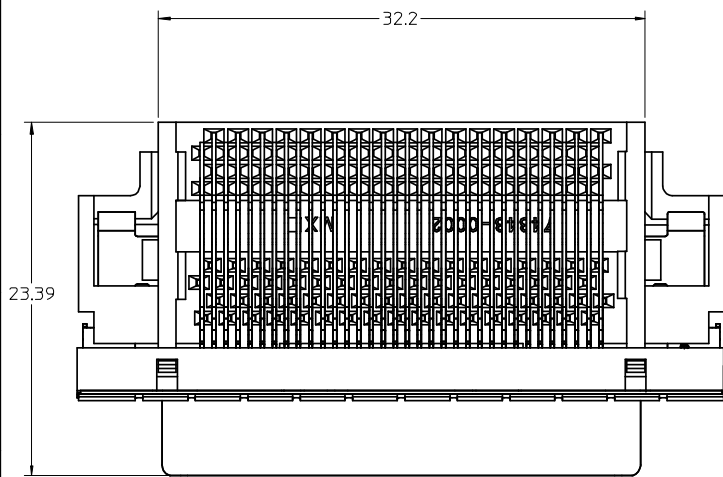


WITH COVER OPTION

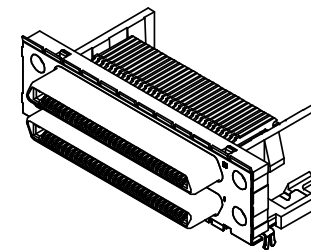
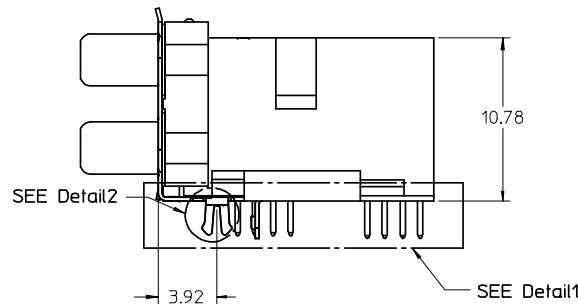


CLARIFY DIMENSIONS EC NO: UCP2008-1553 DRWN:BBARKER 2008/02/01 CHKD:DMORGAN 2008/02/07 APPR:SMILLER 2008/02/08	DESCRIPTION	QUALITY SYMBOLS ▽ - 0 ▽C - 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION REVISE ON CAD ONLY	
REV			GENERAL TOLERANCES (UNLESS SPECIFIED)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

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



Detail1
SCALE 10:1

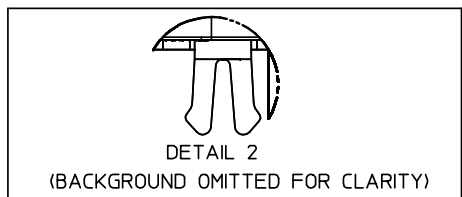


WITHOUT COVER OPTION

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					
			3 PLACES	± ---	± ---	CHECKED BY MBANAKIS		DATE 05.08.2001		MOLEX INCORPORATED	
			2 PLACES	± 0.13	± ---	APPROVED BY MBANAKIS		DATE 05.08.2001			
			1 PLACE	± 0.25	± ---	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-74337-014		SHEET NO. 2 OF 4	
			ANGULAR ± 1 °			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		C			
			DRAFT WHERE APPLICABLE								
			MUST REMAIN WITHIN DIMENSIONS								

11 10 9 8 7 6 5 4 3 2 1

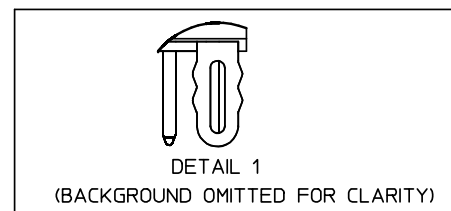
VERSION 1 PART NUMBERS



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



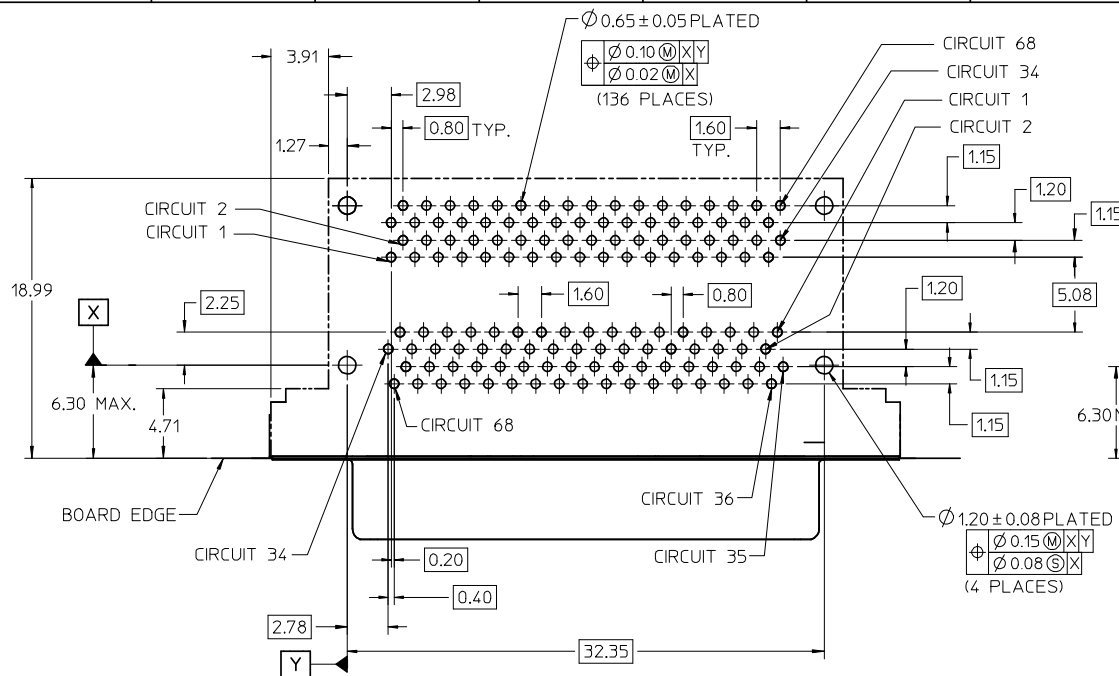
BOARD RETENTION: PRESS FIT

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

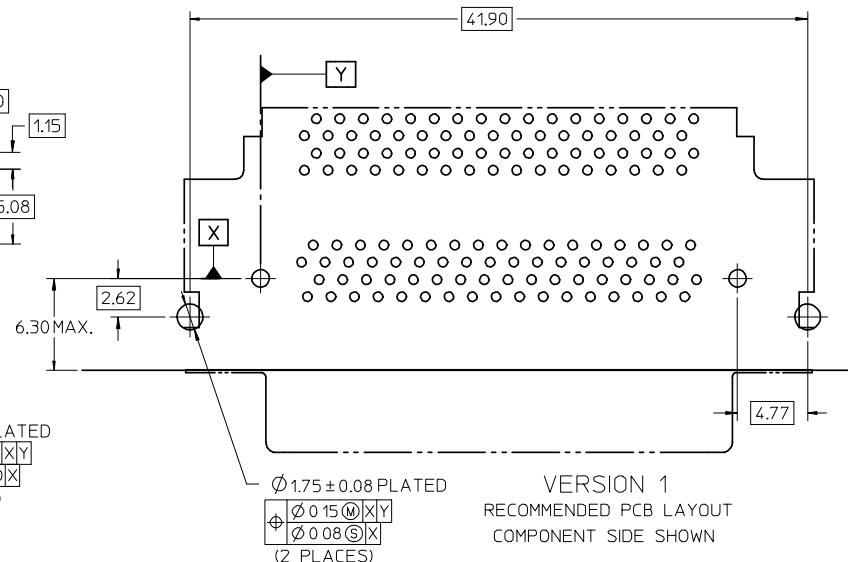


OPTIONAL SCREWLOCK
71433-0002

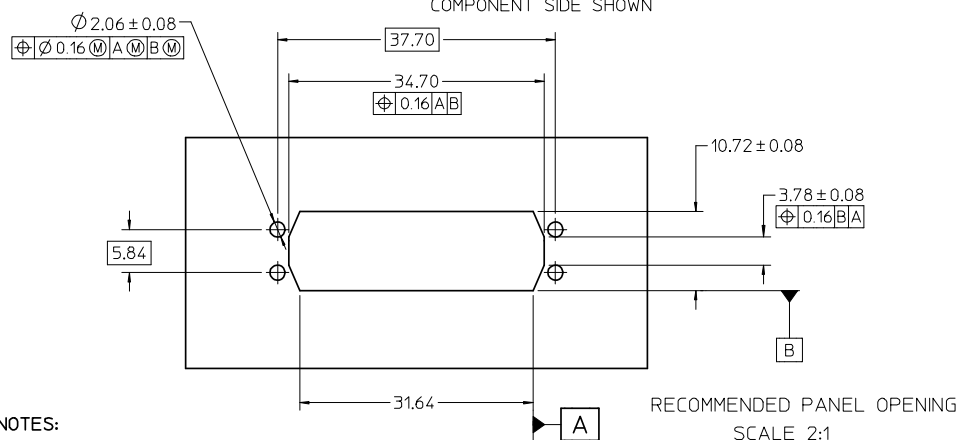
CLARIFY DIMENSIONS EC NO: UCP2008-1553 DRWN:BBARKER 2008/02/01 CHKD:DMORGAN 2008/02/07 APPR: SMILLER 2008/02/08	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY				
				mm	INCH	DIMENSION STYLE MM ONLY		TITLE VHDCI 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	± ---	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
			ANGULAR ± 1 °										
REV			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										



VERSION 4
RECOMMENDED PCB LAYOUT
COMPONENT SIDE SHOWN



SAME AS VERSION 4 EXCEPT AS SHOWN



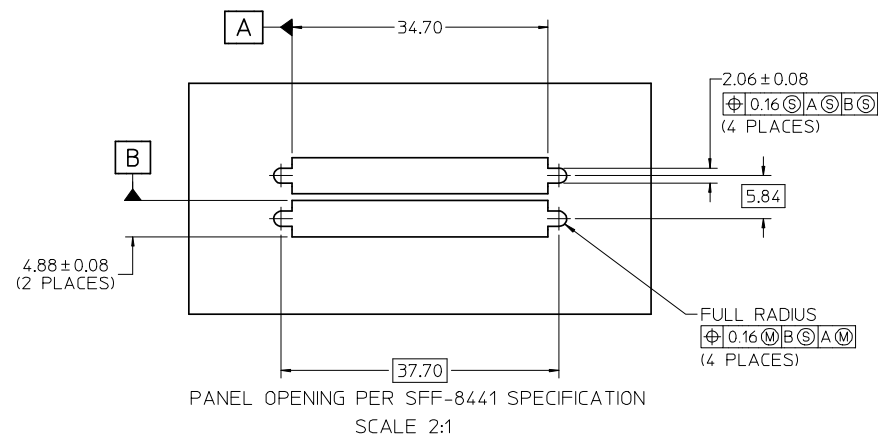
NOTES:

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		TITLE VHDCI STACKED ASSEMBLY		MOLEX MOLEX INCORPORATED				
			4 PLACES	± ---	± ---	MM ONLY							
			3 PLACES	± ---	± ---	DRAWN BY DATE							
			2 PLACES	± 0.13	± ---	SSAMPSON 05.08.2001							
			1 PLACE	± 0.25	± ---	CHECKED BY DATE							
		ANGULAR ± 1 °			MBANAKIS 05.08.2001		SEE TABLE SD-74337-014 4 OF 4						
		DRAFT WHERE APPLICABLE			APPROVED BY DATE								
		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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- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
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- 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.)

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