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Part Number: [0714300006](#)
Status: **Active**
Description: 0.80mm (.031") Pitch Ultra+™ VHDCI Receptacle, Right Angle, with or without Enhanced Shield, 68 Circuits

Documents:

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

Agency Certification

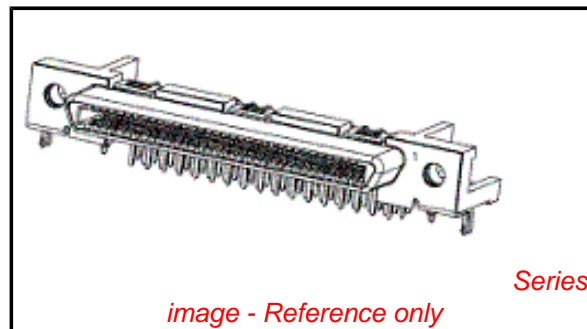
CSA LR19980
 UL E29179

General

Product Family I/O Connectors
 Series [71430](#)
 Application Wire-to-Board
 Component Type Receptacle
 Product Name SCSI+, VHDCI
 Type N/A

Physical

Boot Color N/A
 Circuits (Loaded) 68
 Circuits (maximum) 68
 Color - Resin Black
 Durability (mating cycles max) 500
 Flammability 94V-0
 Gender Receptacle
 Lock to Mating Part Yes
 Material - Metal Steel
 Material - Plating Mating Gold
 Material - Resin High Temperature Thermoplastic
 Number of Rows 2
 Orientation Right Angle
 PC Tail Length (in) 0.107 In
 PC Tail Length (mm) 2.71 mm
 PCB Locator Yes
 PCB Retention Yes
 PCB Thickness Recommended (in) 0.093 In
 PCB Thickness Recommended (mm) 2.36 mm
 Packaging Type Tube
 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
 Polarized to Mating Part Yes
 Polarized to PCB Yes
 Ports 1
 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



EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS



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

[71430Series](#)

Mates With

[71425 Ultra+™ VHDCI Plug Kit](#)

Electrical

Current - Maximum per Contact	0.5A
Shield Type	Without Enhanced 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**

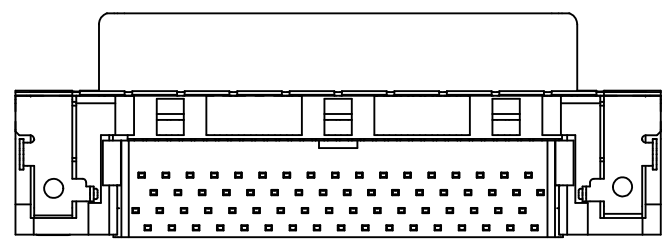
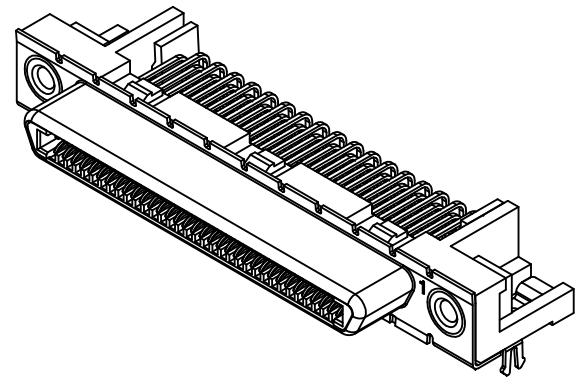
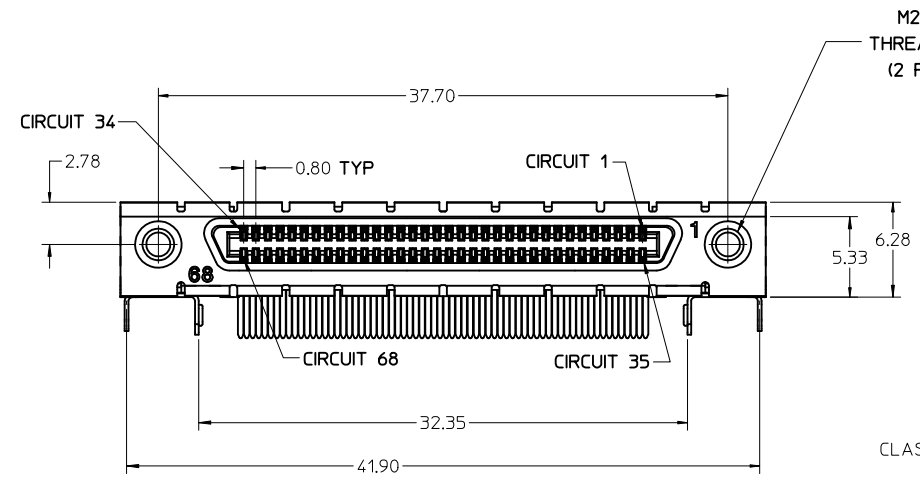
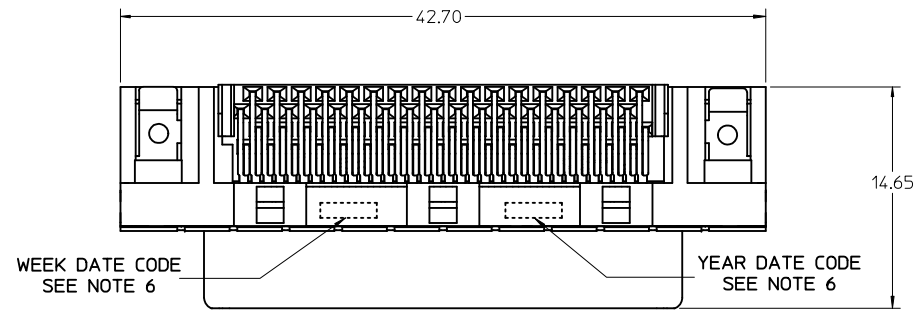
Product Specification	PS-71425-9999
Sales Drawing	SD-71430-015

This document was generated on 04/05/2010

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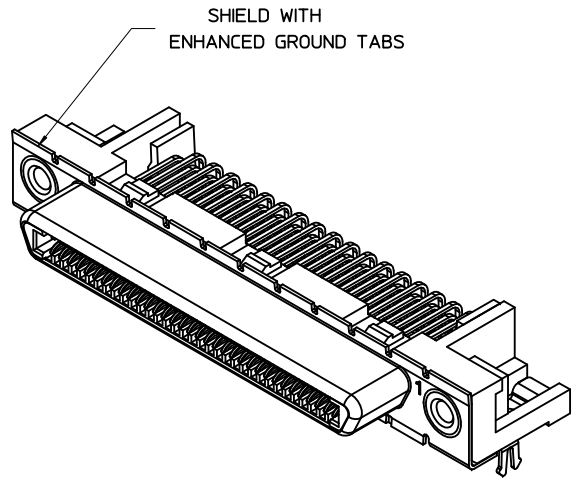
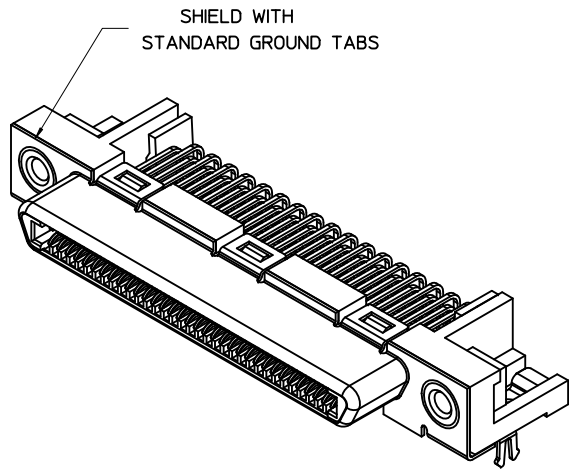
NOTES:

1. MATERIALS:
 HOUSING: HIGH TEMPERATURE THERMOPLASTIC, UL94 V-0, COLOR:BLACK
 TAIL ALIGNER: HIGH TEMPERATURE THERMOPLASTIC,
 TERMINAL: HIGH PERFORMANCE COPPER 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 OVER 1.25 MICROMETERS MINIMUM NICKEL.
 BRACKET: 5.0 MICROMETERS BRIGHT TIN OVER 2.50 MICROMETERS COPPER.
 SHIELD: 3.8 MICROMETERS MINIMUM BRIGHT TIN OVER 1.3 MICROMETERS
 MINIMUM NICKEL OVER COPPER FLASH (OPTIONAL).
 INSERT: 2.54 MICROMETERS MINIMUM NICKEL.
3. PART PERFORMS TO MOLEX PRODUCT SPECIFICATION
 PS-71425-9999.
4. PACKAGE PER PK-71430-0101.
5. APPLICABLE STANDARDS: EIA-3652 AND SFF-8441.
6. DATE CODE: YR/WK PER EIA-476-A.
7. PRODUCT COMPLIES WITH COSMETIC SPECIFICATION PS-45499-002.
 SEE SIDE VIEW FOR SURFACE CLASSIFICATIONS.
8. TORQUE TO INSTALL SCREWLOCKS INTO THREADED INSERTS:
 0.34 Nm MAXIMUM.



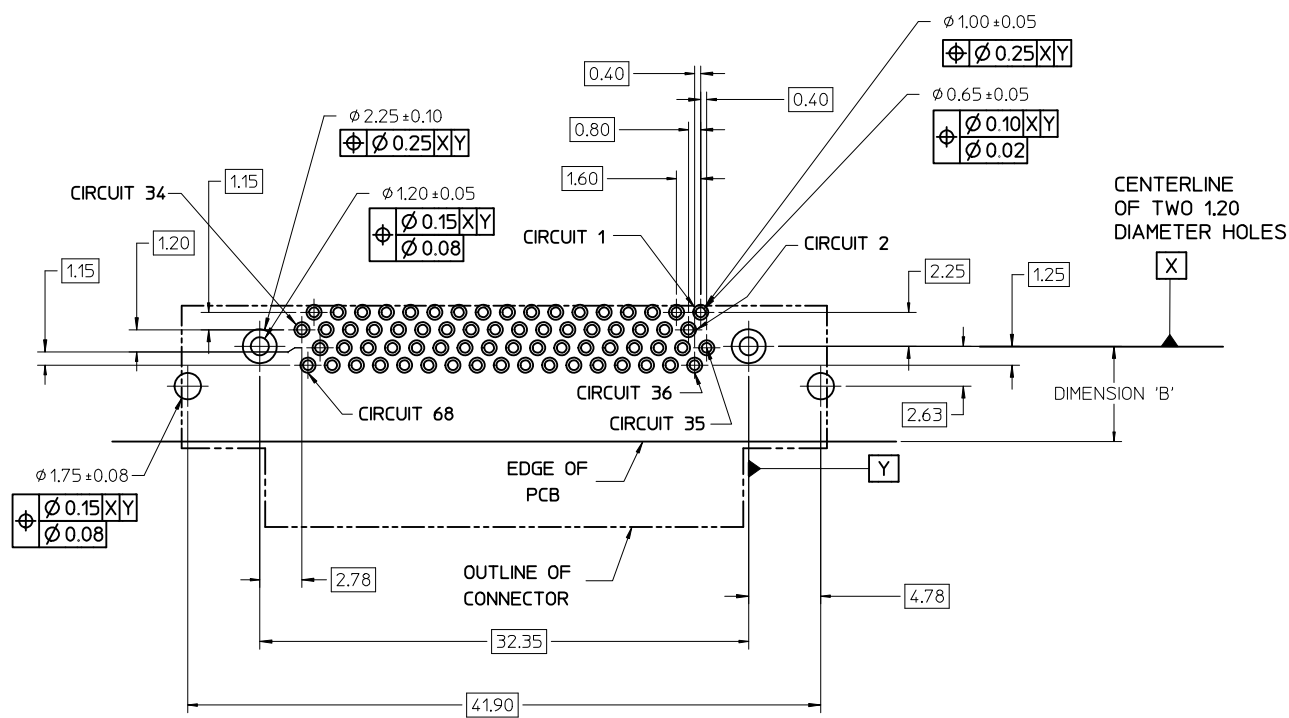
CHANGE PACKAGING EC NO: UCP2010-1970 DRWN:MSIBARRA 2010/02/11 CHKD:BBARKER 11/15/2002 APPR:SMILLER 2010/04/20	DESCRIPTION REV:	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ±1/2°	DIMENSION STYLE MM ONLY DRAWN BY DATE KSTILES 11/14/2002 CHECKED BY DATE KSTILES 11/15/2002 APPROVED BY DATE MBNAKIS 11/22/2002	SCALE 4:1 TITLE VHDCl RIGHT ANGLE ASSEMBLY	DESIGN UNITS METRIC THIRD ANGLE PROJECTION	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-71430-015	SHEET NO. 1 OF 3	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
		MOLEX INCORPORATED								
		MOLEX								

PCB THICKNESS	PART NUMBER	TAIL LENGTH 'T'	ENHANCED GROUND TABS	SCREWLOCKS	TAIL LOC. 'A'	HOLE LOCATION 'B'
1.60	71430-0101	2.08	NO	NONE	5.50	6.50 MAXIMUM
1.60	71430-0007	2.08	NO	LOOSE IN BAGS		
1.60	71430-0005	2.08	YES	NONE		
1.60	71430-0008	2.08	YES	LOOSE IN BAGS		
2.36	71430-0268	2.71	NO	NONE		
2.36	71430-0006	2.71	NO	INSTALLED		
2.36	71430-0004	2.71	YES	NONE		
2.36	71430-0009	2.71	YES	INSTALLED		
2.36	71430-0016	2.71	NO	LOOSE IN BAGS		
2.36	71430-0019	2.71	YES	LOOSE IN BAGS		
2.36	71430-0012	2.71	YES	NONE	5.30	6.30 MAXIMUM
1.60	71430-0013	2.08	YES	NONE		



OPTIONAL SCREWLOCK
PART NUMBER 71433-0002

SEE SHEET 1 EC NO: UCP2010-1970 DRWNGS: BARRA 2010/02/11 CHKD: BARKER 11/15/2002 APPR: MILLER 2010/04/20	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± 0.13 ± ---	1 PLACE ± 0.25 ± ---	DRAWN BY KSTILES	DATE 11/14/2002	VHDCI RIGHT ANGLE ASSEMBLY			
		ANGULAR ±1/2°				CHECKED BY KSTILES	DATE 11/15/2002				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				APPROVED BY MBNAK1S	DATE 11/22/2002	MOLEX INCORPORATED		SHEET NO. 2 OF 3	
				SEE TABLE		DOCUMENT NO. SD-71430-015		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



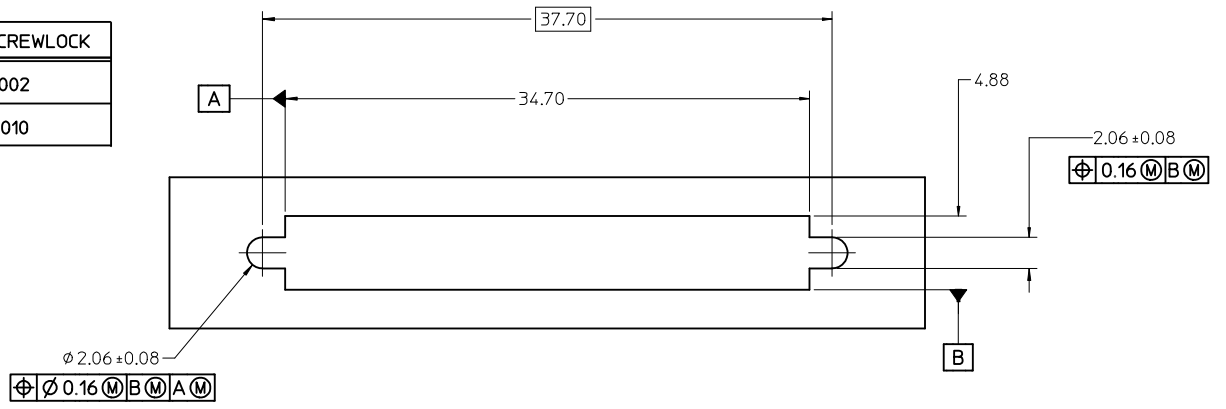
NOTES:

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



SEE SHEET 1 EC NO: UCP2010-1970 DRWN:MS BARRA 2010/02/11 CHKD:BBARKER 11/15/2002 APPR:SMILLER 2010/04/20	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		4 PLACES ± --- ± ---	mm	INCH	DRAWN BY	DATE	TITLE VHDCI RIGHT ANGLE ASSEMBLY			
		3 PLACES ± --- ± ---			KSTILES	11/14/2002				
		2 PLACES ± 0.13 ± ---			CHECKED BY	DATE	MOLEX INCORPORATED SD-71430-015			
1 PLACE ± 0.25 ± ---			KSTILES	11/15/2002						
ANGULAR ± 1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY	DATE	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-71430-015		
				MBNAKIS	11/22/2002	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 3 OF 3		