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Part Number: [0714300004](#)
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 - 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

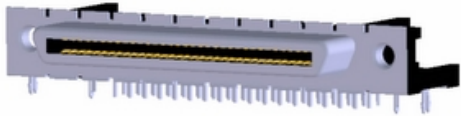


image - Reference only

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

[71430Series](#)

Mates With

[71425](#) Ultra+™ VHDCI Plug Kit

Electrical

Current - Maximum per Contact	0.5A
Shield Type	With 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

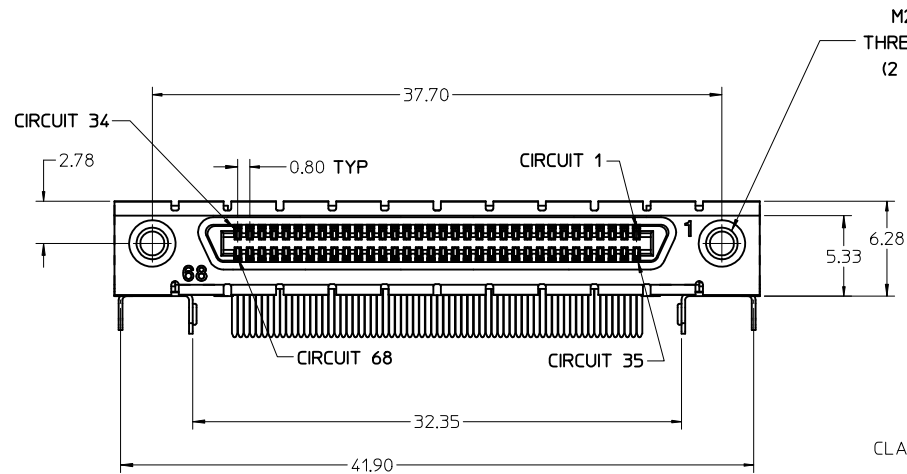
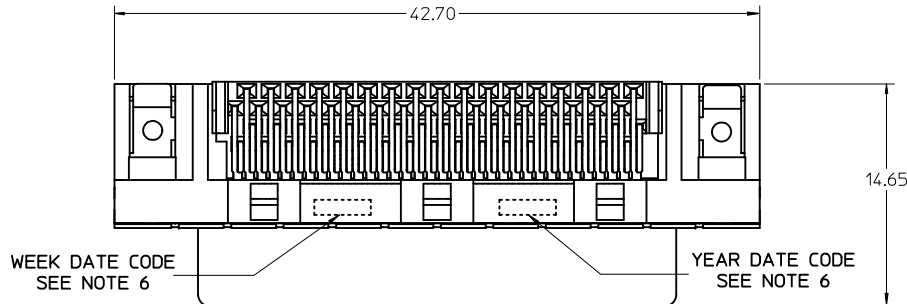
Material Info

Reference - Drawing Numbers

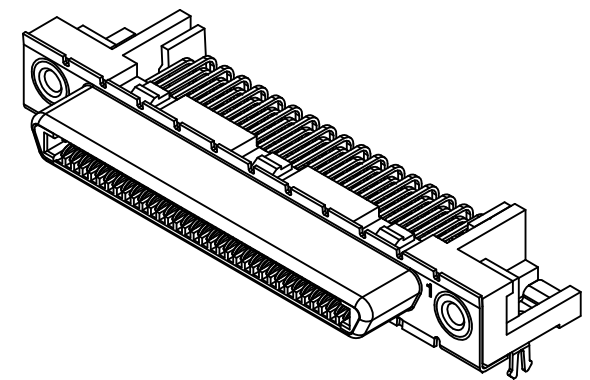
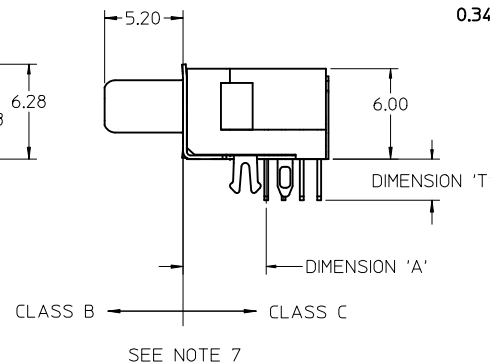
Product Specification	PS-71425-9999
Sales Drawing	SD-71430-015

This document was generated on 04/05/2010

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M2 X 0.4g
THREADED INSERT
(2 PLACES)



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.

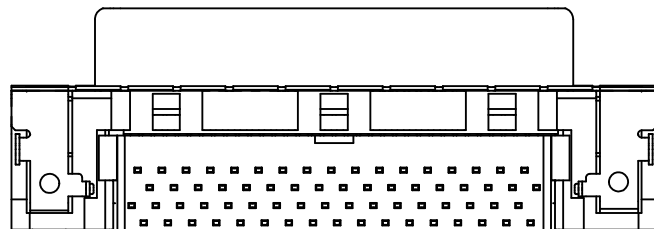
4. PACKAGE PER PK-71430-0101.

5. APPLICABLE STANDARDS: EIA-3652 AND SFF-8441.

6. DATE CODE: YR/WK PER EIA-476-A.

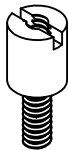
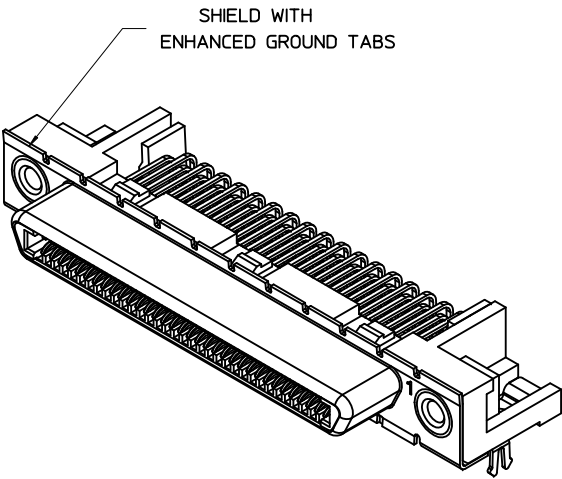
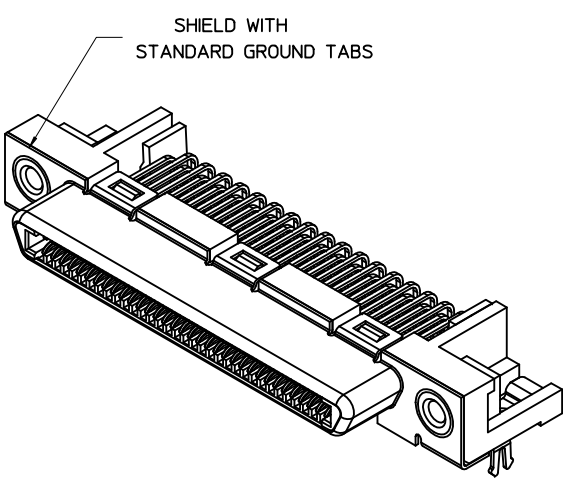
7. PRODUCT COMPLIES WITH COSMETIC SPECIFICATION PS-45499-002. SEE SIDE VIEW FOR SURFACE CLASSIFICATIONS.

8. TORQUE TO INSTALL SCREWLOCKS INTO THREADED INSERTS: 0.34 Nm MAXIMUM.



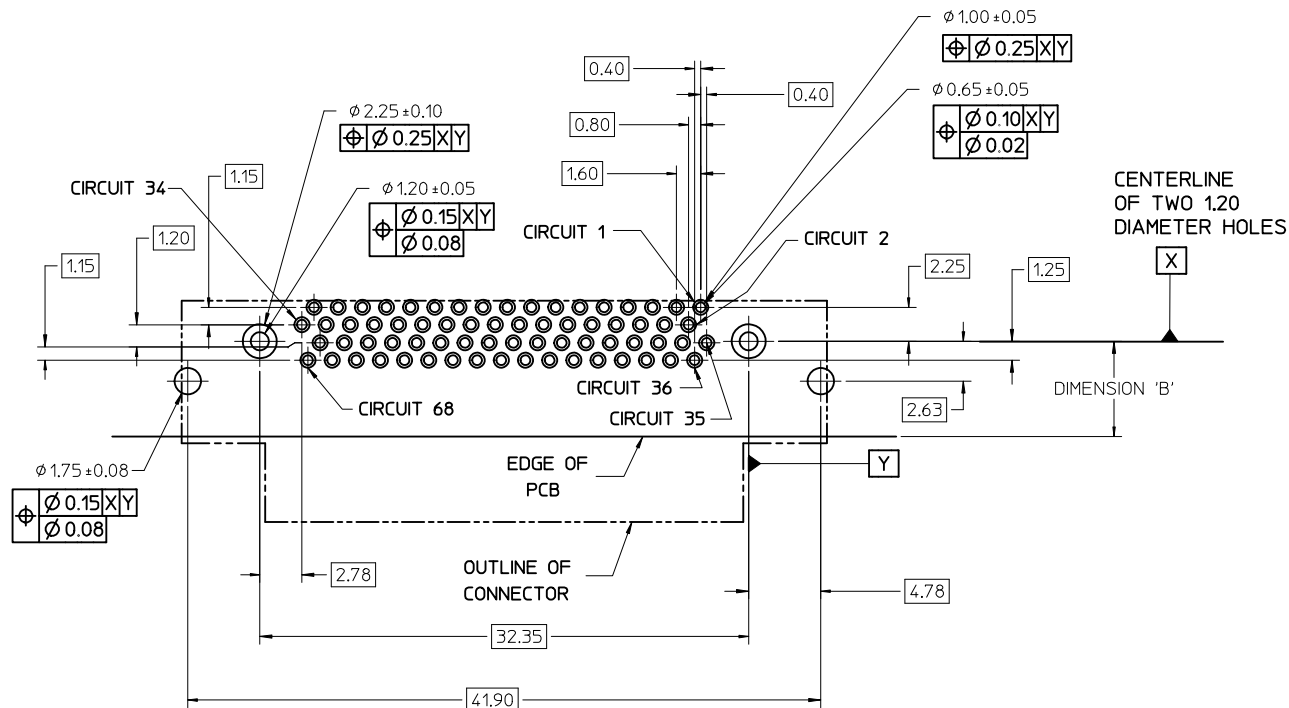
CHANGE PACKAGING EC NO: UCP2010-1970 DRAWN BY: DRWN:MS BARRA 2010/02/11 CHKD:BBARKER 11/15/2002 APPR:SMILLER 2010/04/20			DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
							DRAWN BY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

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



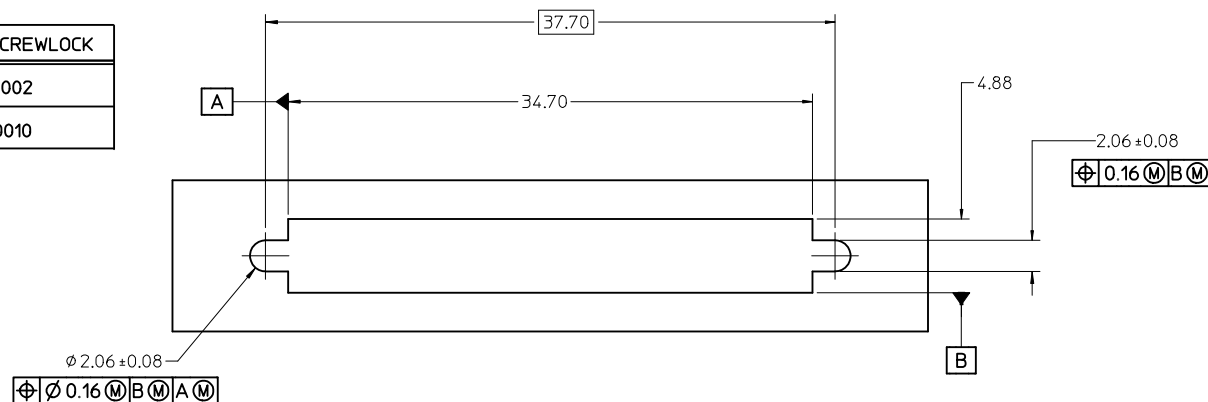
NOTES:

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	
	mm			INCH			DRAWN BY DATE		TITLE					
	4 PLACES ± --- ± ---			KSTILES 11/14/2002		VHDCI RIGHT ANGLE ASSEMBLY								
	3 PLACES ± --- ± ---			CHECKED BY DATE										
	2 PLACES ± 0.13 ± ---			KSTILES 11/15/2002		MOLEX INCORPORATED								
	1 PLACE ± 0.25 ± ---			APPROVED BY DATE										
	ANGULAR ±1/2°			MBNAK IS 11/22/2002		SD-71430-015								
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.										
				SEE TABLE		DOCUMENT NO.								
				SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								
					SHEET NO. 3 OF 3									