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Part Number:

0714300012

Status:

Active

Description:

0.80mm (.031") Pitch Ultra+™ VHDCI Receptacle, Right Angle, 68 Circuits, PC Tail Length 2.71mm (.107"), Shield with Enhanced Ground Tabs, No Screwlocks

Documents:

3D Model

Packaging Specification (PDF)

Drawing (PDF)

Product Specification PS-71425-9999 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

I/O Connectors

Series

71430

Application

Wire-to-Board

Comments

Shield with Enhanced Ground Tabs, No Screwlocks

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

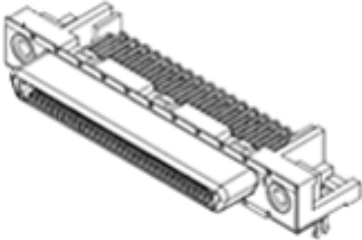


image - Reference only

Series

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS

50

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

71430Series

Mates With

71425 Ultra+™ VHDCI Plug Kit

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

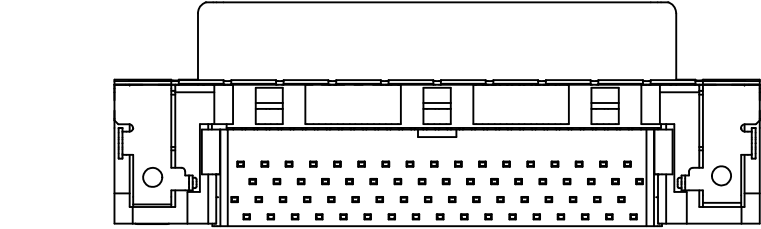
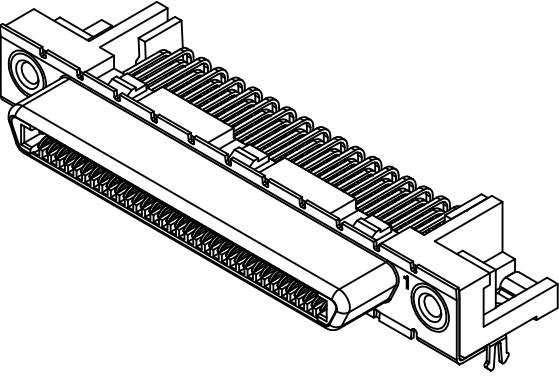
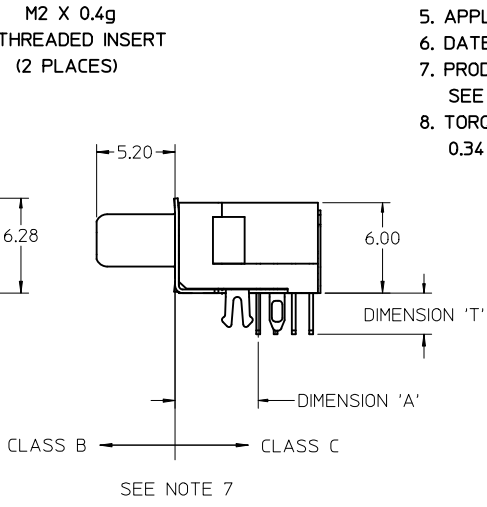
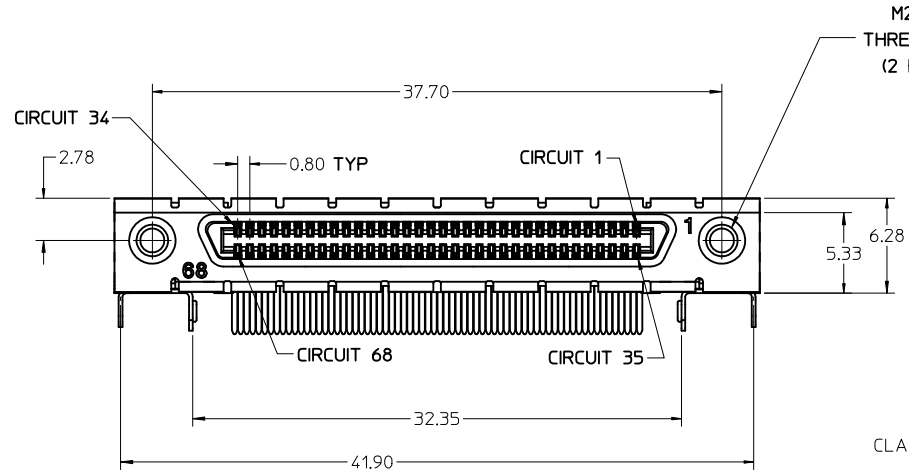
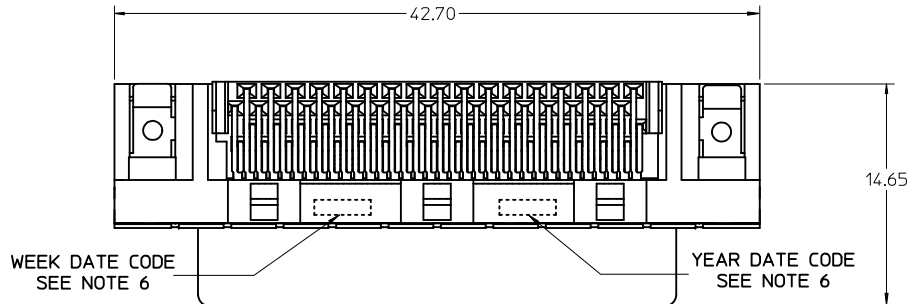
Material Info

Reference - Drawing Numbers

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

This document was generated on 04/05/2010

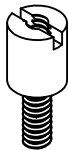
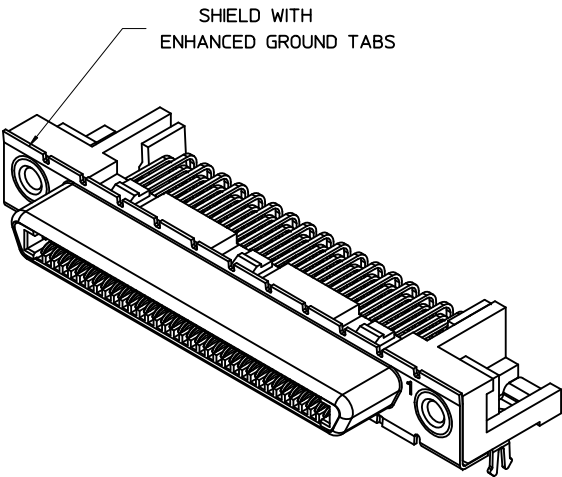
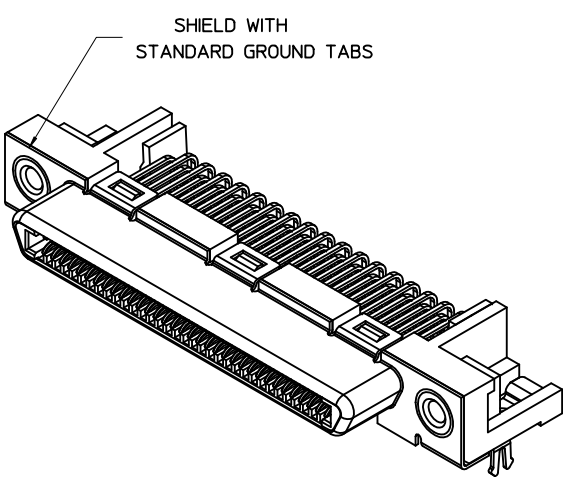
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- NOTES:
1. MATERIALS:
HOUSING: HIGH TEMPERATURE THERMOPLASTIC, UL94 V-0, COLOR:BLACK
TAIL ALIGNER: HIGH TEMPERATURE THERMOPLASTIC,
TERMINAL: HIGH PERFORMANCE COPPER ALLOY
BRACKET: BRASS
SHELL: STEEL
INSERT: BRASS
 2. FINISHES:
TERMINAL: 0.05-0.25 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.

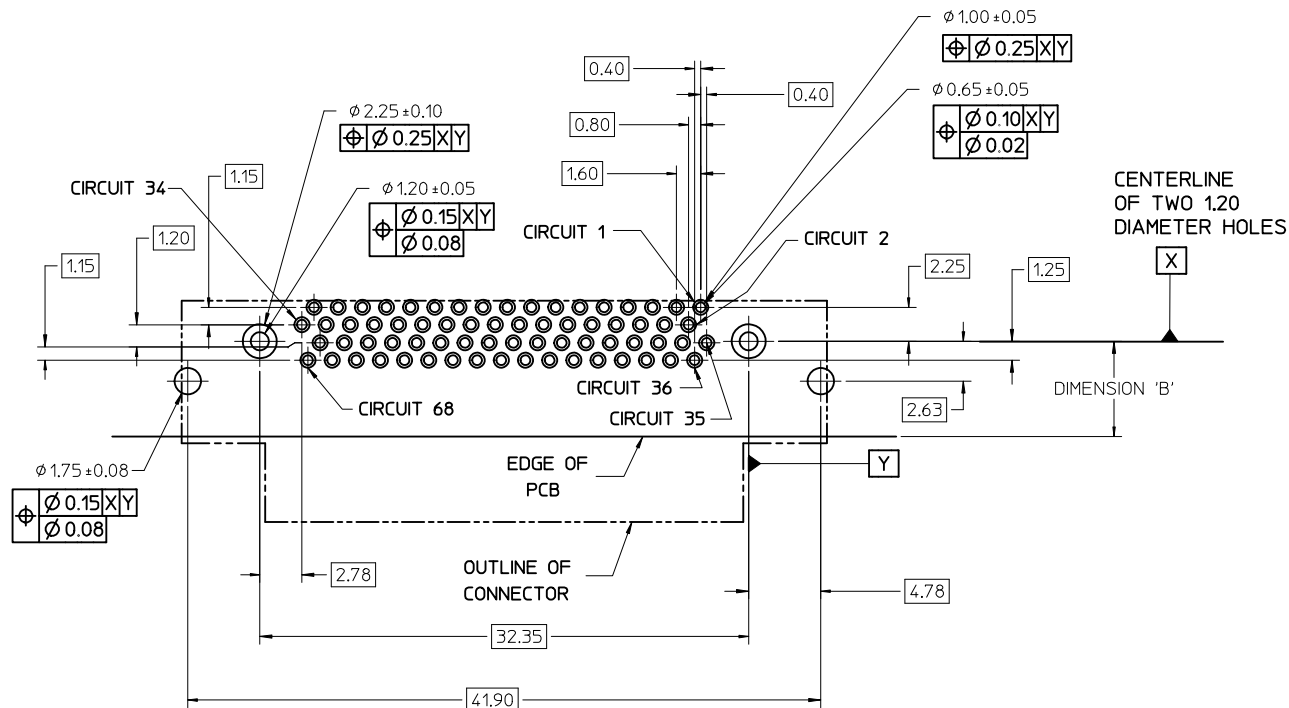
CHANGE PACKAGING EC NO: UCP2010-1970 DRAWN BY: DRWN:MS BARRA 2010/02/11 CHKD:BBARKER 11/15/2002 APPR:SMILLER 2010/04/20		DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY DATE KSTILES 11/14/2002		TITLE VHDCI RIGHT ANGLE ASSEMBLY					
				3 PLACES ± ---	± ---	CHECKED BY DATE KSTILES 11/15/2002							
				2 PLACES ± 0.13	± ---	APPROVED BY DATE MBNAKIS 11/22/2002		molex MOLEX INCORPORATED					
				1 PLACE ± 0.25	± ---	MATERIAL NO.						DOCUMENT NO.	
				ANGULAR ±1/2°		SEE TABLE		SD-71430-015		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					

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 BARA 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	MOLEX MOLEX INCORPORATED				
			ANGULAR ±1/2°			MBNAKIS		11/22/2002				
						MATERIAL NO.		DOCUMENT NO.			SHEET NO.	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE		SD-71430-015			2 OF 3	
		REV				SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



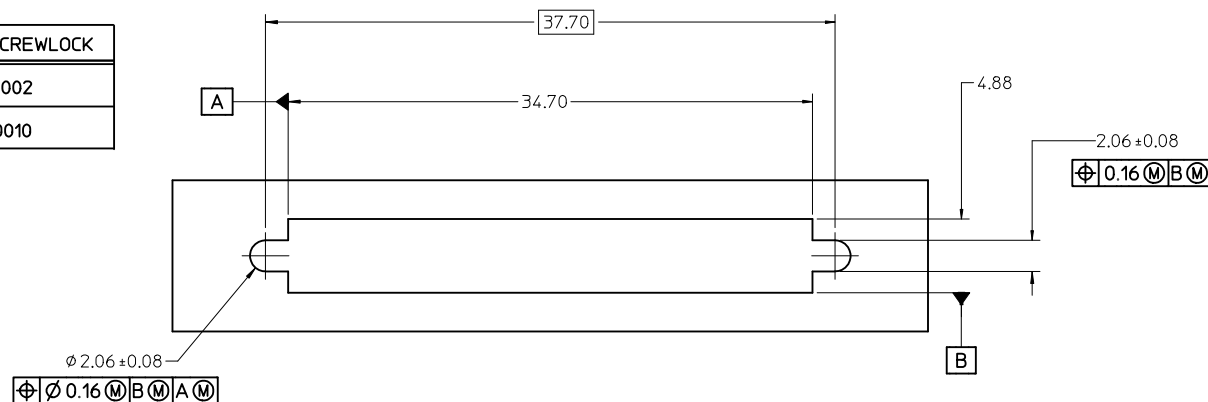
NOTES:

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