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Part Number:

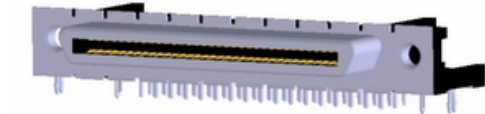
0714300019

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, Screwlocks Loose in Bags



Series

image - Reference only

Documents:

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

General

Product Family	I/O Connectors
Series	71430
Application	Wire-to-Board
Comments	Shield with Enhanced Ground Tabs, Screwlocks Loose in Bags
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
Gender	Receptacle
Lock to Mating Part	Yes
Material - Plating Mating	Gold
Material - Plating Termination	Tin
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
Plating min: Mating (µin)	2
Plating min: Mating (µm)	0.05
Plating min: Termination (µin)	75
Plating min: Termination (µm)	1.90
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

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	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

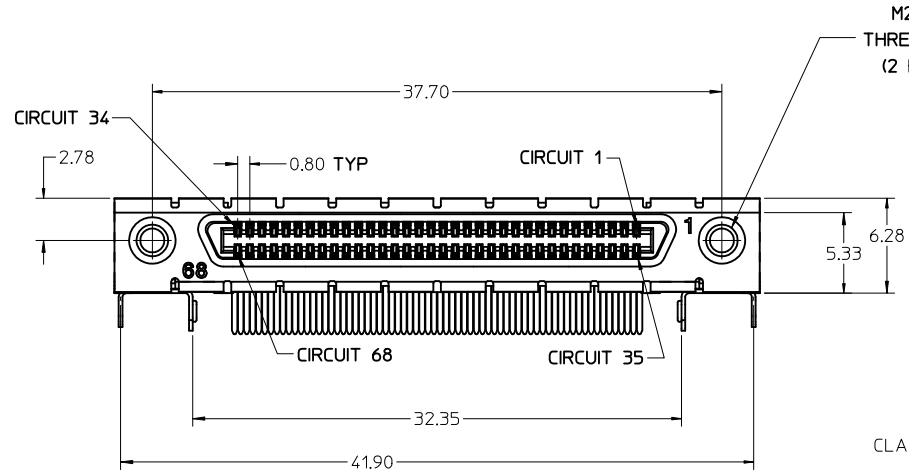
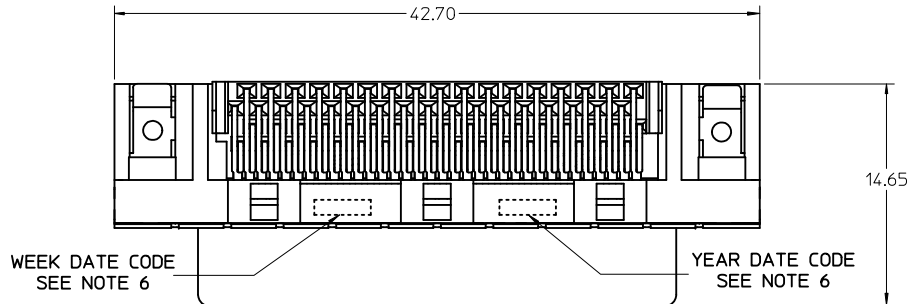
Material Info

Reference - Drawing Numbers

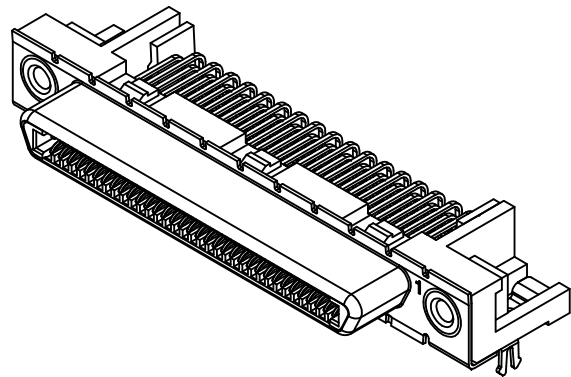
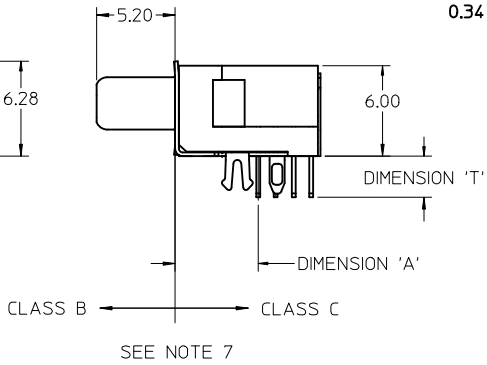
Product Specification	PS-71425-9999
Sales Drawing	SD-71430-015

This document was generated on 04/05/2010

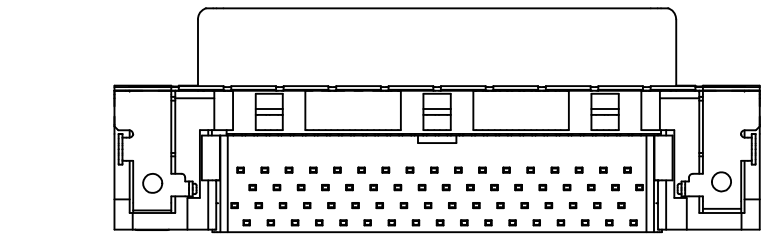
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M2 X 0.4g
THREADED INSERT
(2 PLACES)

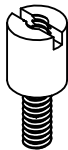
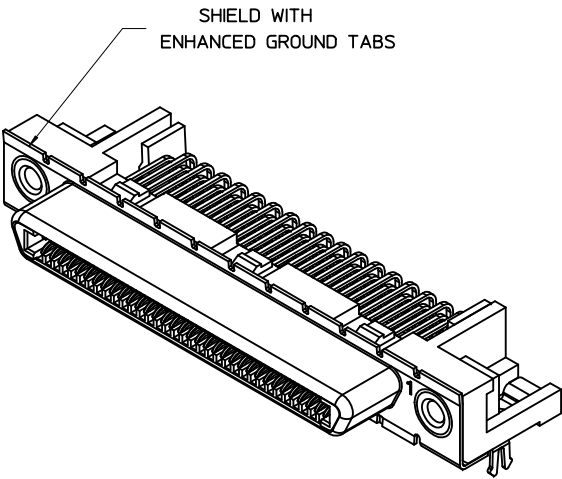
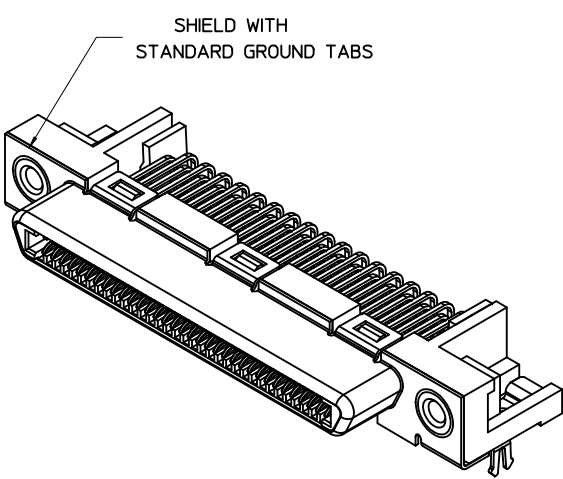


- NOTES:
1. MATERIALS:
HOUSING: HIGH TEMPERATURE THERMOPLASTIC, UL94 V-0, COLOR:BLACK
TAIL ALIGNER: HIGH TEMPERATURE THERMOPLASTIC,
TERMINAL: HIGH PERFORMANCE COPPER ALLOY
BRACKET: BRASS
SHELL: STEEL
INSERT: BRASS
 2. FINISHES:
TERMINAL: 0.05-0.25 MICROMETERS GOLD FLASH IN CRITICAL AREA
OVER 0.75 MICROMETERS 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.



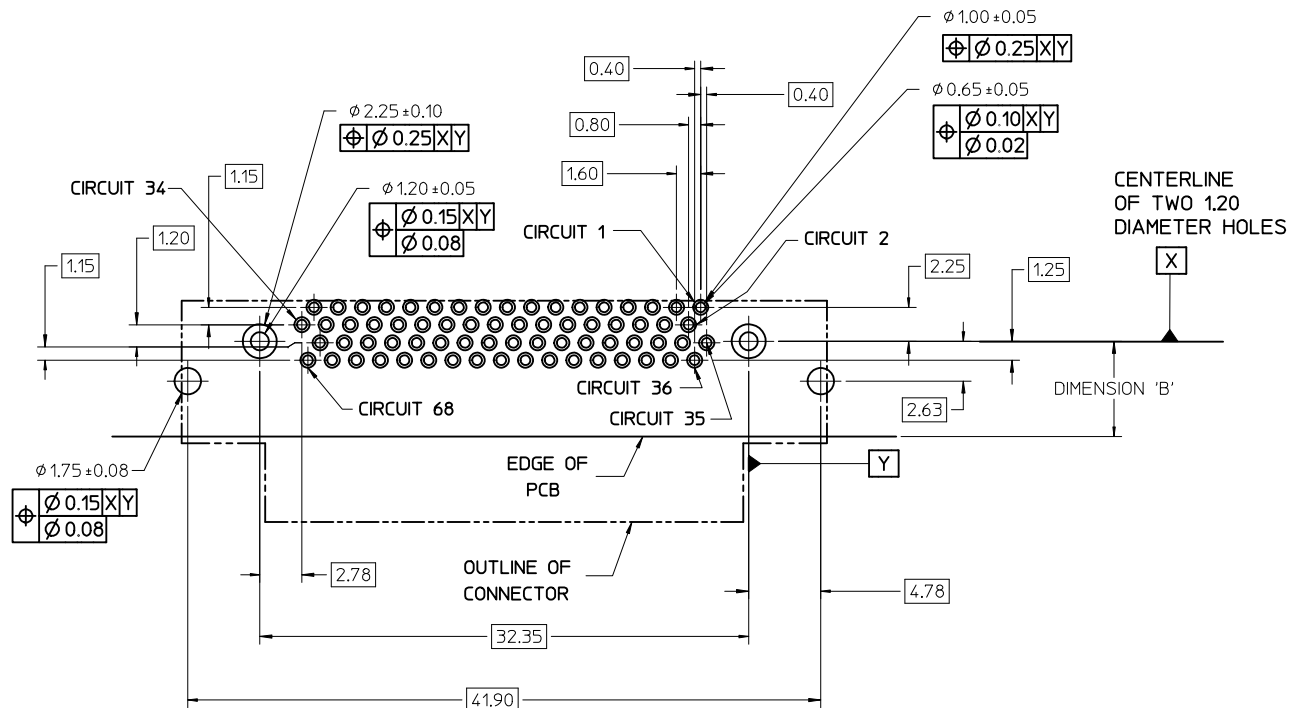
CHANGE PACKAGING EC NO: UCP2010-1970 DRAWN BY: DRWN:MS BARRA 2010/02/11 CHKD:BBARKER 11/15/2002 APPR:SMILLER 2010/04/20		DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN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

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 M DRWN:MS BARRA 2010/02/11 CHKD:BBARKER 11/15/2002 APPR:SMILLER 2010/04/20	REV	DESCRIPTION	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		TITLE VHDCI RIGHT ANGLE ASSEMBLY		
				4 PLACES ± --- ± ---		KSTILES 11/14/2002						
				3 PLACES ± --- ± ---		CHECKED BY DATE						
				2 PLACES ± 0.13 ± ---		KSTILES 11/15/2002		MOLEX MOLEX INCORPORATED				
				1 PLACE ± 0.25 ± ---		APPROVED BY DATE						
				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		
				SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



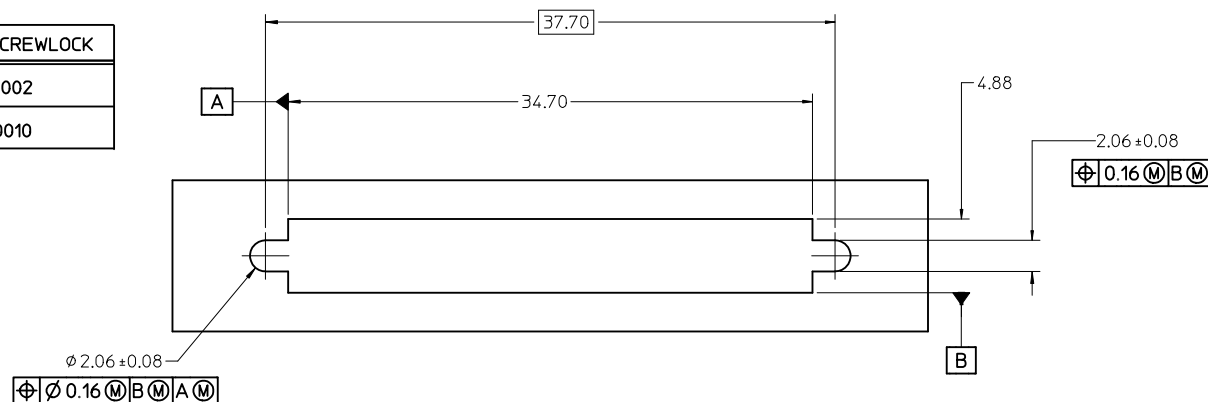
NOTES:

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