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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



Series image - Reference only

Documents:

3D Model
Test Summary (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
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

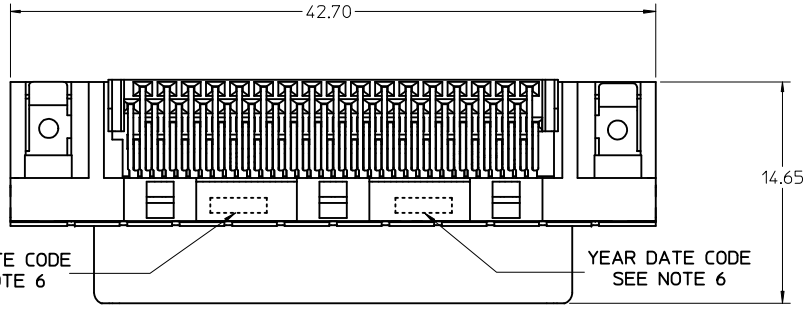
Material Info

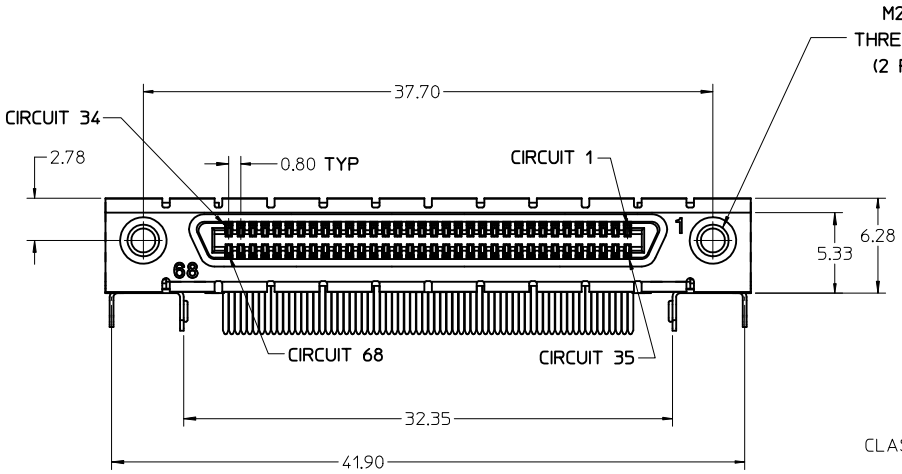
Reference - Drawing Numbers

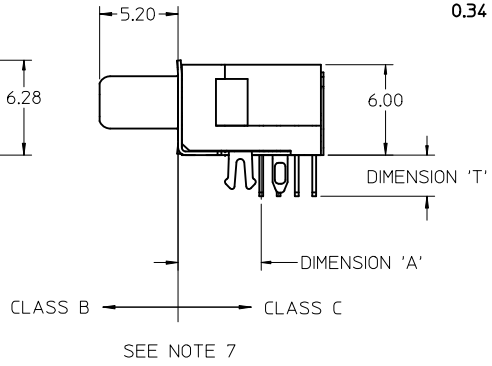
Product Specification	PS-71425-9999
Sales Drawing	SD-71430-015

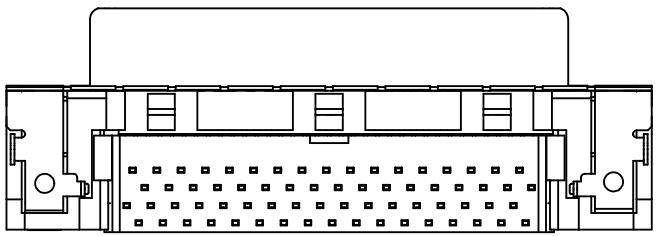
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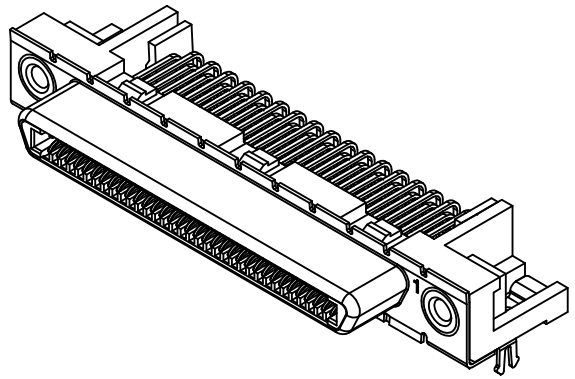
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NOTES:

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 2010/02/11
DRWN:MSIBARRA 11/15/2002
CH'KD:BBARKER 2010/04/20
APPR:SMILLER
DESCRIPTION
M
REV

QUALITY SYMBOLS
E =0
F =0
P =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

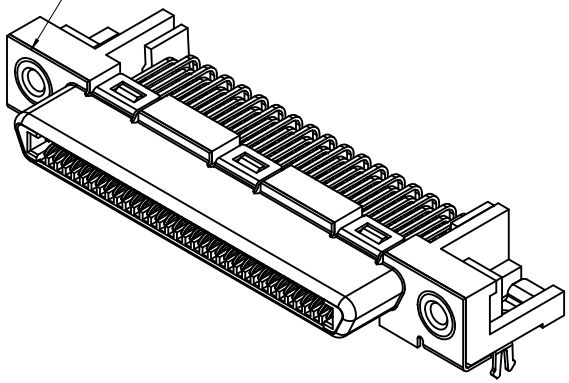
DRAWN BY: KSTILES DATE: 11/14/2002
CHECKED BY: KSTILES DATE: 11/15/2002
APPROVED BY: MBNAKIS DATE: 11/22/2002
MATERIAL NO.: SEE TABLE

TITLE: VHDCI RIGHT ANGLE ASSEMBLY
MOLEX INCORPORATED
DOCUMENT NO.: SD-71430-015
SHEET NO.: 1 OF 3
SIZE: C

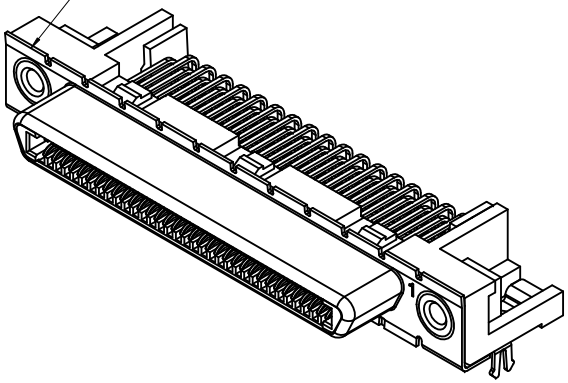
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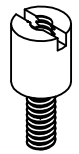
PCB THICKNESS	PART NUMBER	TAIL LENGTH "T"	ENHANCED GROUND TABS	SCREWLOCKS	TAIL LOC. "A"	HOLE LOCATION "B"
1.60	71430-0101	2.08	NO	NONE	5.50	6.50 MAXIMUM
1.60	71430-0007	2.08	NO	LOOSE IN BAGS		
1.60	71430-0005	2.08	YES	NONE		
1.60	71430-0008	2.08	YES	LOOSE IN BAGS		
2.36	71430-0268	2.71	NO	NONE		
2.36	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		

SHIELD WITH
STANDARD GROUND TABS



SHIELD WITH
ENHANCED GROUND TABS





OPTIONAL SCREWLOCK
PART NUMBER 71433-0002

SEE SHEET 1
EC NO: UCP2010-1970 2010/02/11
DRWN:MSIBARRA 11/15/2002
CH'KD:BBARKER 2010/04/20
APPR:SMILLER
DESCRIPTION
M
REV

QUALITY SYMBOLS
F =0
F =0
F =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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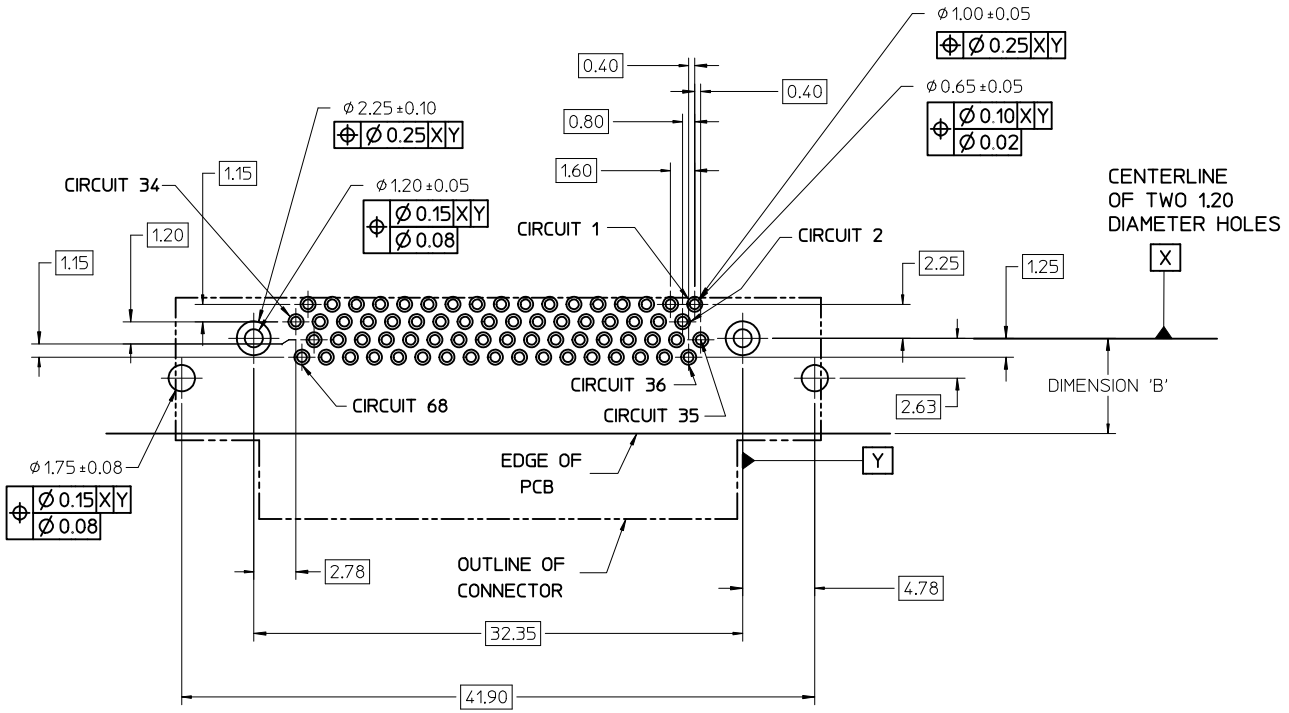
		DATE
DRAWN BY	KSTILES	11/14/2002
CHECKED BY	KSTILES	11/15/2002
APPROVED BY	MBNAKIS	11/22/2002

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MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-71430-015
SHEET NO.: 2 OF 3
SIZE: C

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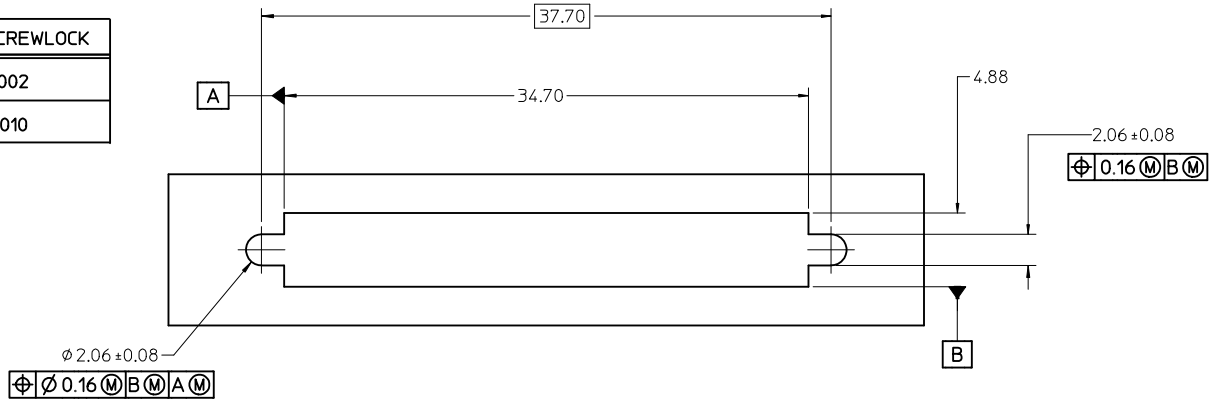
NOTES:

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
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REV

QUALITY SYMBOLS
=0
=0
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DIMENSION STYLE: MM ONLY
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		DATE
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