

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0737760101](#)
Status: **Active**
Description: 0.80mm (.031") Pitch Ultra+™ VHDCI Receptacle, Vertical, SMT

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	73776
Application	Wire-to-Board
Component Type	Receptacle
Product Name	SCSI+, VHDCI
Type	N/A

Physical

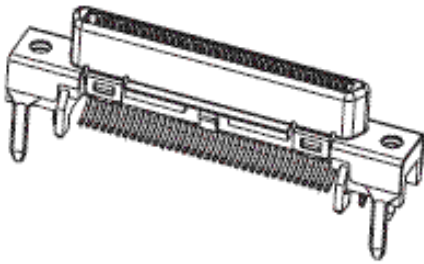
Circuits (Loaded)	68
Circuits (maximum)	68
Color - Resin	Black
Durability (mating cycles max)	500
Flammability	94V-0
Lock to Mating Part	Yes
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Orientation	Vertical
PCB Retention	N/A
PCB Thickness Recommended (in)	0.093 In
PCB Thickness Recommended (mm)	2.40 mm
Packaging Type	Tube
Panel Mount	Yes
Pitch - Mating Interface (in)	0.031 In
Pitch - Mating Interface (mm)	0.80 mm
Plating min: Mating (µin)	2
Plating min: Mating (µm)	0.05
Plating min: Termination (µin)	76.4
Plating min: Termination (µm)	1.91
Polarized to Mating Part	Yes
Surface Mount Compatible (SMC)	N/A
Temperature Range - Operating	-55°C to +85°C
Termination Interface: Style	Through Hole
Wire Size AWG	N/A

Electrical

Current - Maximum per Contact	0.5A
Shielded	Yes
Voltage - Maximum	30V

Solder Process Data

Duration at Max. Process Temperature (seconds)	40
Lead-free Process Capability	Reflow Capable (SMT only)



Series

image - Reference only

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

[73776Series](#)

Mates With

Ultra+™ VHDCI Plug Kit 71425

Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	245

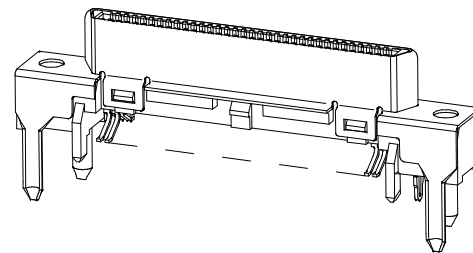
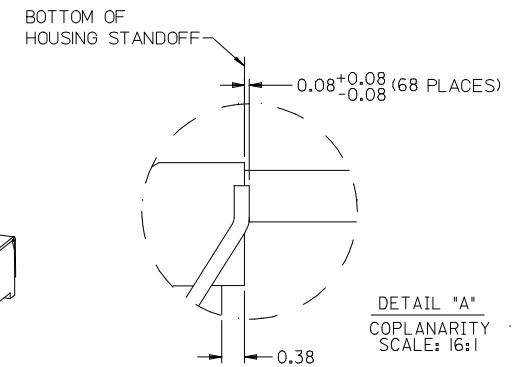
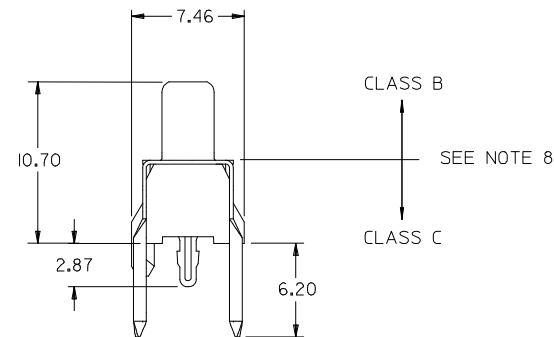
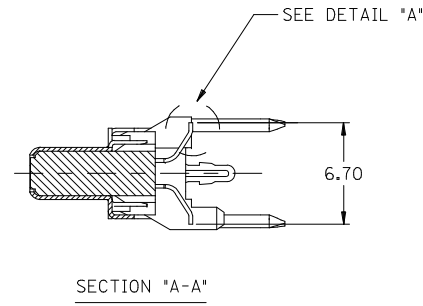
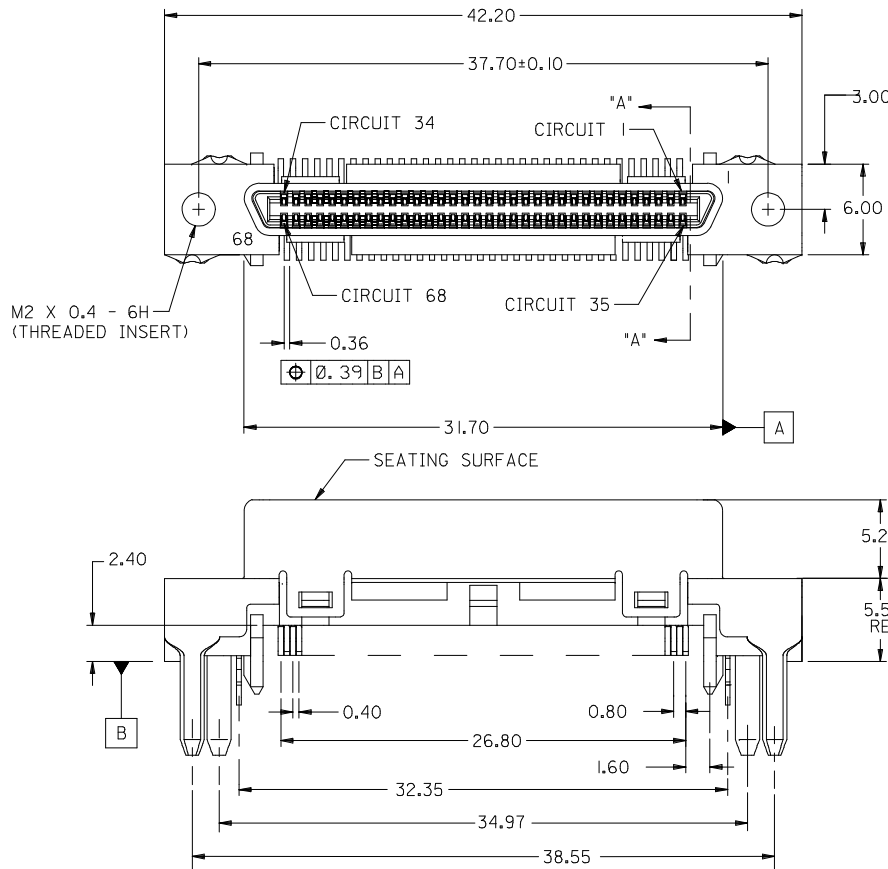
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-70873-0824
Product Specification	PS-71425-9999
Sales Drawing	SD-73776-002
Test Summary	TS-71425-9999

This document was generated on 05/20/2010

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NOTES:

1. MATERIALS:

HOUSING: HIGH TEMP THERMOPLASTIC, COLOR: BLACK, UL 94V-0.
 TERMINAL: PHOSPHOR BRONZE
 SHIELD: STEEL
 THREADED INSERT: BRASS
 SCREWLOCK: STEEL

2. FINISH:

TERMINAL: 0.05-0.25 MICROMETER GOLD FLASH IN OVER 0.75
 MICROMETER MINIMUM PALLADIUM NICKEL IN CONTACT AREA;
 1.87 MICROMETER MINIMUM TIN IN TAIL AREA;
 ALL OVER 1.25 MICROMETER MINIMUM NICKEL.
 SHIELD: 3.81 MICROMETERS MINIMUM BRIGHT TIN OVER 1.27
 MICROMETERS MINIMUM NICKEL OVER COPPER FLASH (OPTIONAL).
 THREADED INSERT: NICKEL
 SCREWLOCK: NICKEL

3. APPLICABLE PRODUCT SPEC: PS-71425-9999.

4. PACKAGING: TUBE PACK PER PK-70873-0824.

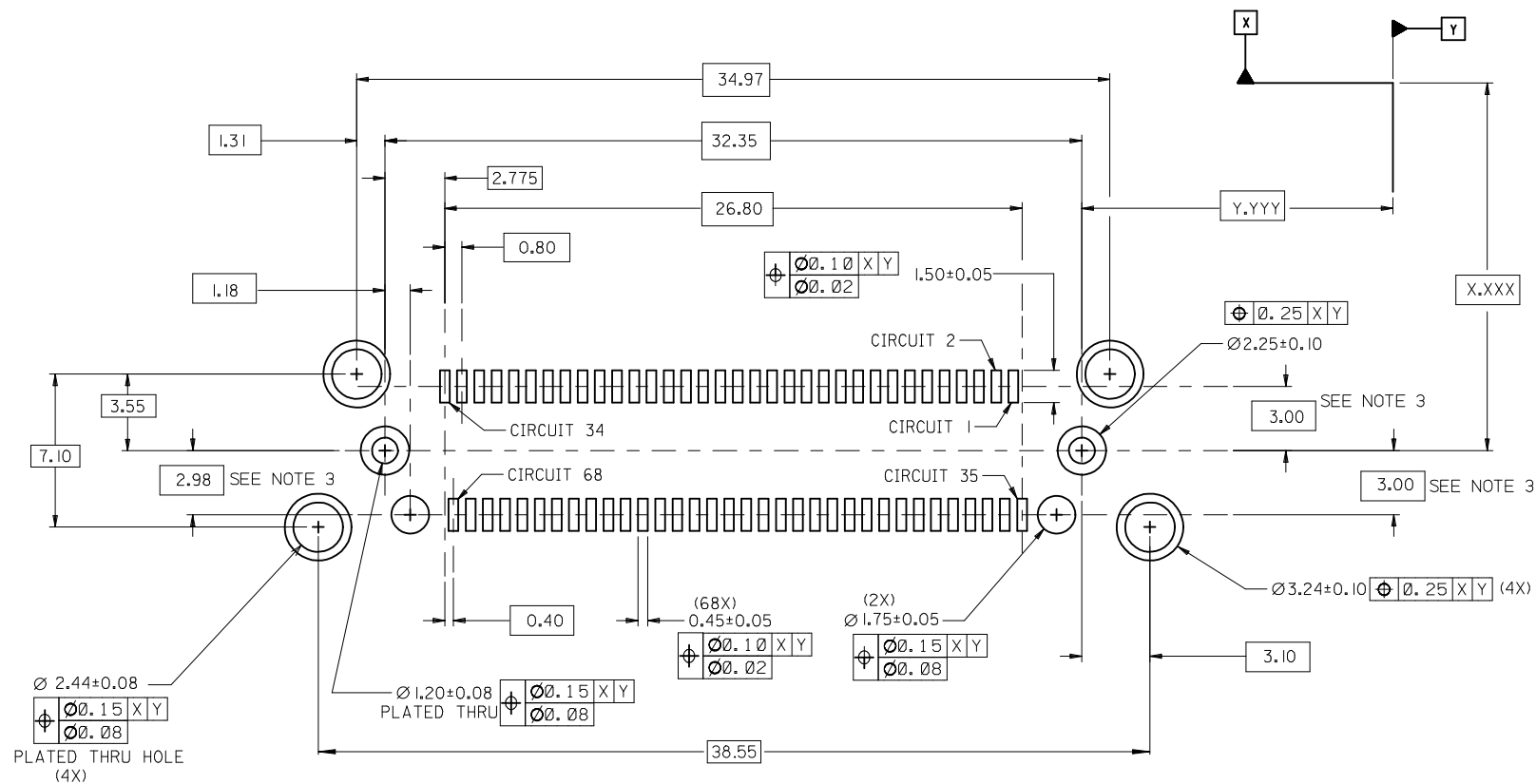
5. APPLICABLE STANDARDS: EIA-3652.

6. MATING ASSEMBLY: 71425-0001 PLUG.

7. DATE CODE: YEAR AND WEEK PER EIA -476-A.

8. PRODUCT COMPLIES WITH COSMETIC SPECIFICATION PS-45499-002.
 SEE FIGURE ABOVE FOR SURFACE CLASSIFICATIONS.

CLOSE OFF ENDS EC NO: UCP2010-0048 DRWN: BARKER 2009/09/10 CHKD: DMORGAN 2009/09/10 APPR: MILLER 2009/09/10	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY	DATE	TITLE		
			4 PLACES	± ---	± ---	DBOWEN	1997/04/11	SALES ASSY VHDCI 0.8MM PITCH 68 CKT VERTICAL SMT RECEPTACLE		
			3 PLACES	± ---	± ---	CHECKED BY	DATE			
			2 PLACES	± 0.25	± ---	SSAMPSON	1997/04/11			
			1 PLACE	± ---	± ---	APPROVED BY	DATE			
			ANGULAR ±1/2°		DBOWEN	1997/04/11	 MOLEX INCORPORATED			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.			SHEET NO.
					SEE TABLE		SD-73776-002			1 OF 2
					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 1.00MM

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

3. DIMENSION 2.98 IS FROM THE CENTER OF THE .120 DIAMETER HOLES TO THE CENTER OF THE 1.75 DIAMETER HOLES.

DIMENSION 3.00 IS FROM THE CENTER OF THE 1.20 DIAMETER HOLES TO THE CENTER OF THE SOLDER PADS.

MATERIAL NO.	DESCRIPTION
73776-0101	WITHOUT SCREWLOCK KIT
73776-0201	WITH SCREWLOCK KIT 71433-0002 PER SD-71433-005



SEE SHEET 1	EC NO: UCP2010-0048			DRWNBARKER 2009/09/10			CHKCDMORGAN 2009/09/10			APPR:SKILLER 2009/09/10			QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY			SCALE 1:1		DESIGN UNITS INCH		THIRD ANGLE PROJECTION				
	▽=0 ▽=0			4 PLACES			±---			±---			DRAWN BY DOWEN			DATE 1997/04/11			TITLE SALES ASSY VHDCI 0.8MM PITCH 68 CKT VERTICAL SMT RECEPTACLE									
				3 PLACES			±---			±---			CHECKED BY SSAMPSON			DATE 1997/04/11			MOLEX MOLEX INCORPORATED									
				2 PLACES			±0.25			±---			APPROVED BY DOWEN			DATE 1997/04/11												
				1 PLACE			±---			±---			MATERIAL NO.						DOCUMENT NO.						SHEET NO.			
ANGULAR ±1/2°			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS												SEE TABLE						SD-73776-002						2 OF 2	
REV			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																									