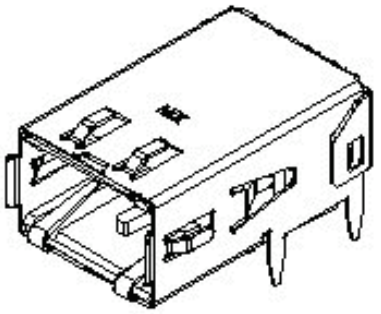
This document was generated on 05/27/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0747030317
Status: Active
Overview: hssdc2
Description: 1.27mm (.050") Pitch HSSDC2 Receptacle, Shielded, Right Angle, Single Row, 7 Circuits



Series image - Reference only

Documents:

3D Model
Packaging Specification (PDF)
Drawing (PDF)
Product Specification PS-74703-001 (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	I/O Connectors
Series	74703
Application	Wire-to-Board
Component Type	Receptacle
Overview	hssdc2
Product Name	HSSDC2
Type	N/A

Physical

Boot Color	N/A
Circuits (Loaded)	7
Circuits (maximum)	7
Color - Resin	Natural
Durability (mating cycles max)	250
Flammability	94V-0
Gender	Receptacle
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.061 In, 0.092 In
PCB Thickness Recommended (mm)	1.57 mm, 2.36 mm
Packaging Type	Tray
Panel Mount	No
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Pitch - Term. Interface (in)	0.050 In
Pitch - Term. Interface (mm)	1.27 mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	1
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-10°C to +60°C
Termination Interface: Style	Surface Mount

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Halogen-Free

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
74703Series

Mates With
73939

Waterproof / Dustproof	No
Wire Size AWG	N/A

Electrical

Current - Maximum per Contact	0.5A
Grounding to Panel	Press-Fit
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	30V DC

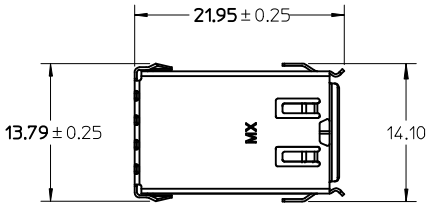
Solder Process Data

Duration at Max. Process Temperature (seconds)	60
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

Material Info

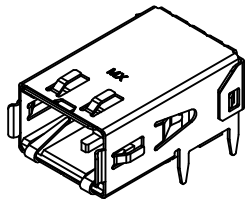
Reference - Drawing Numbers

Packaging Specification	PK-74703-002
Product Specification	PS-74703-001
Sales Drawing	SD-74703-001

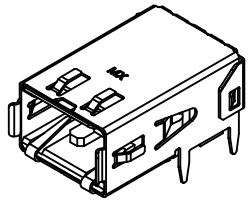


NOTES:

1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER, UL94 V-0, NATURAL
   TERMINAL - COPPER NICKEL SILICON ALLOY
   SHIELD - BRASS ALLOY
2. FINISHES:
   TERMINAL: 1.27 MICROMETERS MINIMUM SELECT GOLD AND 3.81 MICROMETERS MINIMUM SELECT TIN OVER NICKEL UNDERPLATE OVERALL.
   SHELL: 3.00 MICROMETERS MINIMUM TIN OVER NICKEL UNDERPLATE OVERALL.
3. PACKAGE TAPE AND REEL PER PK-74703-001 AND PACKAGE TRAYS PER PK-74703-002.
4. PART CORFORMS TO SPECIFICATION PS-74703-001.
5. DROP-IN AND PRESS FIT ASSEMBLIES REQUIRED TO BE SOLDERED TO BOARD.



INFINIBAND KEYING
WITH DROP-IN SHIELD

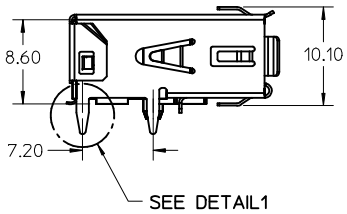


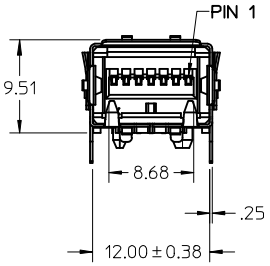
FIBRE CHANNEL KEYING
WITH DROP-IN SHIELD

NOTE FOR LEAD FREE CONVERSION:

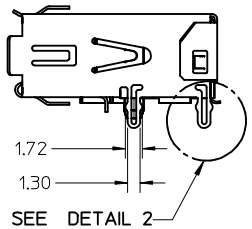
THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC". CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH LEAD.

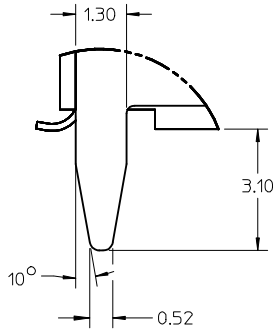
DROP-IN SHIELD



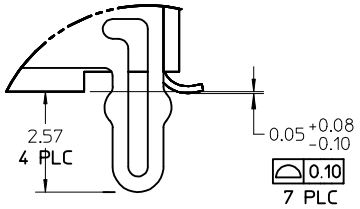


PRESS-FIT SHIELD

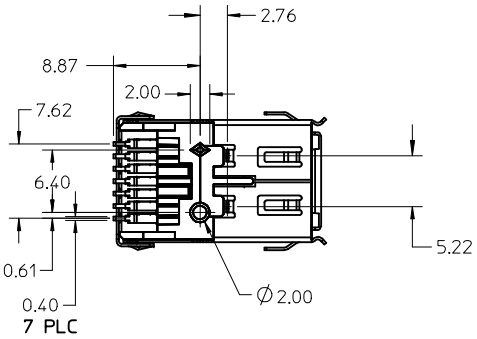




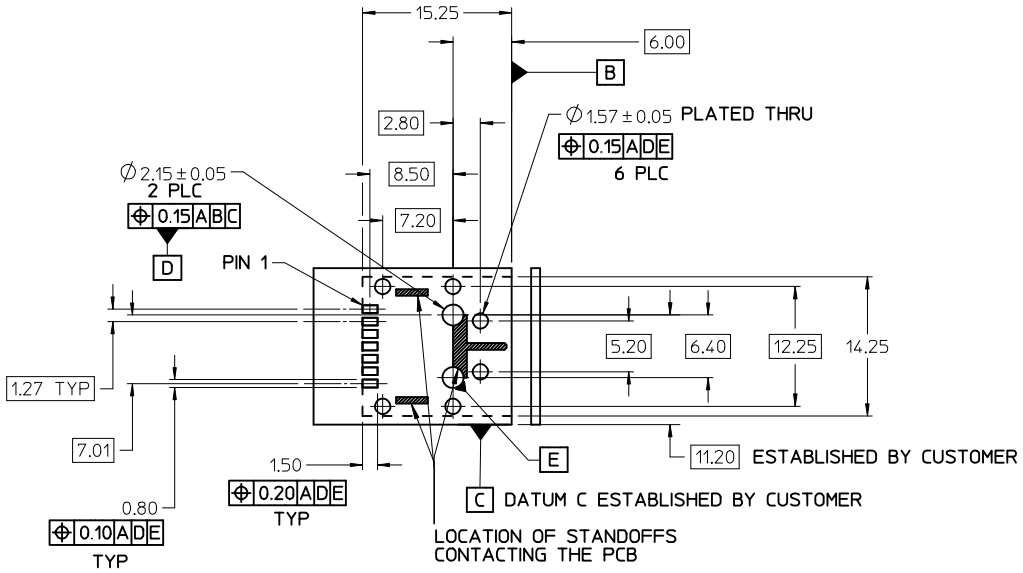
DETAIL1
SCALE 8:1



DETAIL 2
SCALE 8:1

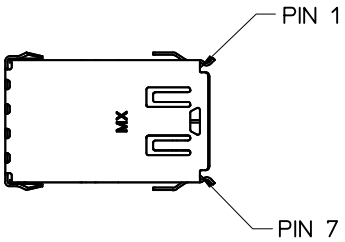


MODIFY TOLERANCE EC NO: UCP2009-1117 DRWN:MSIBARRA 2008/10/29 CHKD:DMORGAN 2008/10/29 APPR:SMILLER 2008/10/30 DESCRIPTION	QUALITY SYMBOLS ▼=0 Ⓒ=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm / INCH 4 PLACES ± --- / ± --- 3 PLACES ± --- / ± --- 2 PLACES ± 0.13 / ± --- 1 PLACE ± 0.25 / ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY KSTILES DATE 10/06/2000 CHECKED BY RSFOX DATE 10/09/2000 APPROVED BY DBRINKMA DATE 10/12/2000 MATERIAL NO. SEE TABLE	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION TITLE SALES DRAWING HSSDC2 RECEPTACLE ASSEMBLY MOLEX INCORPORATED DOCUMENT NO. SD-74703-001 SHEET NO. 1 OF 3
REV H1				SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

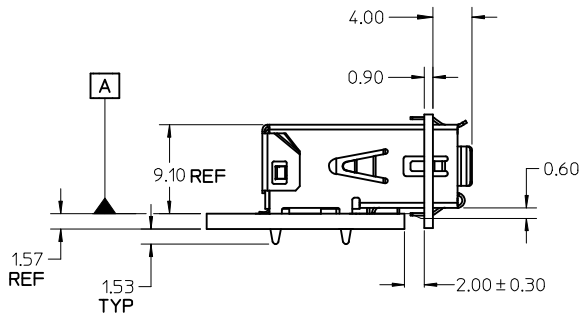


RECOMMENDED PCB LAYOUT
COMPONENT SIDE SHOWN

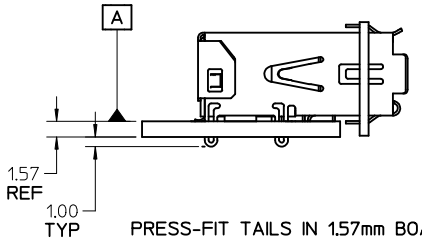
THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT TO BE CONSIDERED THE KEEP OUT AREA (FOR COMPONENTS). THIS AREA IS INDICATED BY THE DASHED LINE.



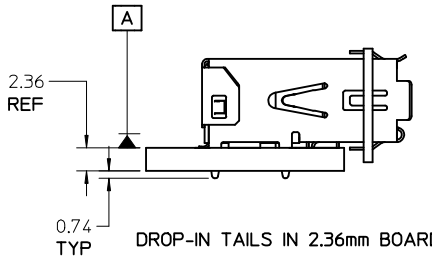
PIN NO.	INFINIBAND	FIBRE CHANNEL
1	G	G
2	R+	R-
3	R-	R+
4	G	G
5	T-	T+
6	T+	T-
7	G	G



DROP-IN TAILS IN 1.57mm BOARD



PRESS-FIT TAILS IN 1.57mm BOARD



DROP-IN TAILS IN 2.36mm BOARD

SEE SHEET 1
EC NO: UCP2009-1117 2008/10/29
DRWN:MSIBARRA 2008/10/29
CHKD:DMORGAN 2008/10/30
APPR:SMILLER 2008/10/30
DESCRIPTION
H1
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: KSTILES DATE: 10/06/2000
CHECKED BY: RSFOX DATE: 10/09/2000
APPROVED BY: DBRINKMA DATE: 10/12/2000
MATERIAL NO.: SEE TABLE

TITLE
SALES DRAWING
HSSDC2 RECEPTACLE ASSEMBLY

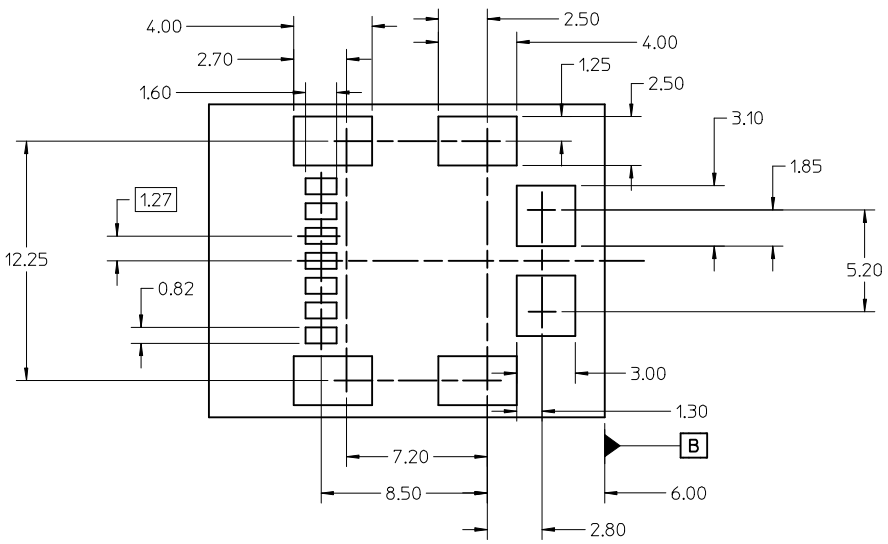
MOLEX INCORPORATED

DOCUMENT NO.: SD-74703-001
SHEET NO.: 2 OF 3

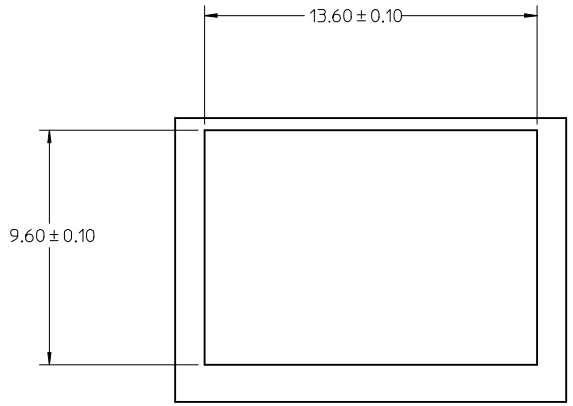
SIZE B

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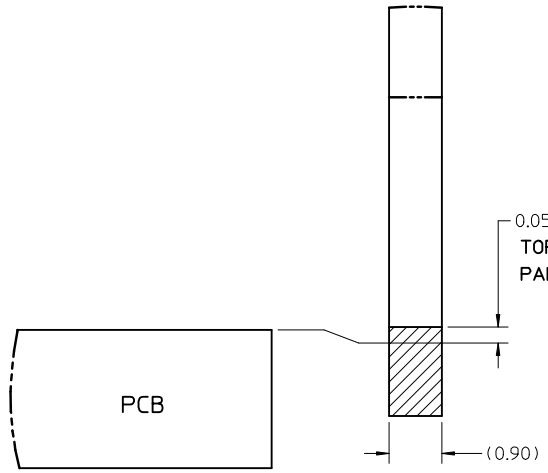
CKT. SIZE	MATERIAL NUMBER TAPE/REEL	MATERIAL NUMBER TRAY	KEYING OPTION	SHIELD OPTION
7	74703-0007	74703-0017	INFINIBAND	DROP-IN
7	74703-0107	74703-0117	FIBRE CHANNEL	DROP-IN
7	74703-0307	74703-0317	INFINIBAND	PRESS-FIT
7	74703-0407	74703-0417	FIBRE CHANNEL	PRESS-FIT



RECOMMENDED
SMT STENCIL LAYOUT



RECOMMENDED
PANEL OPENING



PARTIAL1
SCALE 12:1

SEE SHEET 1
EC NO: UCP2009-1117
DRWN:MSIBARRA 2008/10/29
CH'KD:DMORGAN 2008/10/29
APPR:SMILLER 2008/10/30
DESCRIPTION
REV
H1

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
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ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	KSTILES	10/06/2000
CHECKED BY	RSFOX	10/09/2000
APPROVED BY	DBRINKMA	10/12/2000

TITLE
SALES DRAWING
HSSDC2 RECEPTACLE
ASSEMBLY

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-74703-001
SHEET NO.: 3 OF 3
SIZE: B

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