

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

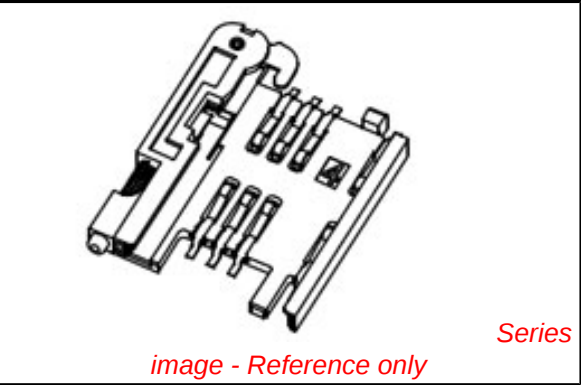
0912283001

Status:

Active

Description:

2.54mm (.100") Pitch ChipSIM Connector, 6 Circuits, SMT, With Ejector, With Pegs, Use With Card Holder 91236



Documents:

3D Model

Drawing (PDF)

Product Specification PS-99020-0071 (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	Memory Card Sockets
Series	91228
Button Type	Push-Push
Component Type	Receptacle (Card)
Product Name	ChipSIM
Type	N/A
Physical	
Card Detection Switch	Yes
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Black, Natural
Durability (mating cycles max)	5,000
Ejector Button Side	Left
Entry Angle	Vertical (Top Entry)
Keying to Mating Part	Yes
Material - Metal	Phosphor Bronze, Piano wire, Stainless Steel
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
PCB Locator	No
PCB Mounting Side	Normal
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.100 In, 0.288 In
Pitch - Mating Interface (mm)	2.54 mm, 7.32 mm
Pitch - Term. Interface (in)	0.100 In, 0.288 In
Pitch - Term. Interface (mm)	2.54 mm, 7.32 mm
Plating min: Mating (µin)	4
Plating min: Mating (µm)	0.1
Plating min: Termination (µin)	120
Plating min: Termination (µm)	3
Ports	1
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-30°C to +85°C
Termination Interface: Style	Surface Mount

Electrical	
Current - Maximum per Contact	0.5A
Shielded	No
Voltage - Maximum	50V DC
Voltage Key	N/A

Solder Process Data	
Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Reflow Capable (SMT only)

EU RoHS

ELV and RoHS

Compliant

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

91228Series

Max. Cycles at Max. Process Temperature	2
Process Temperature max. C	240

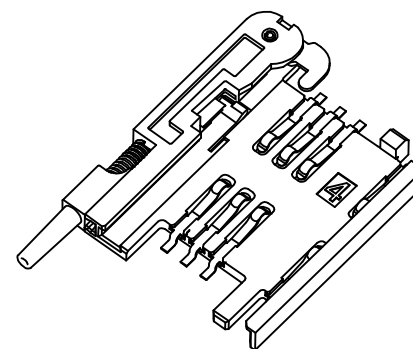
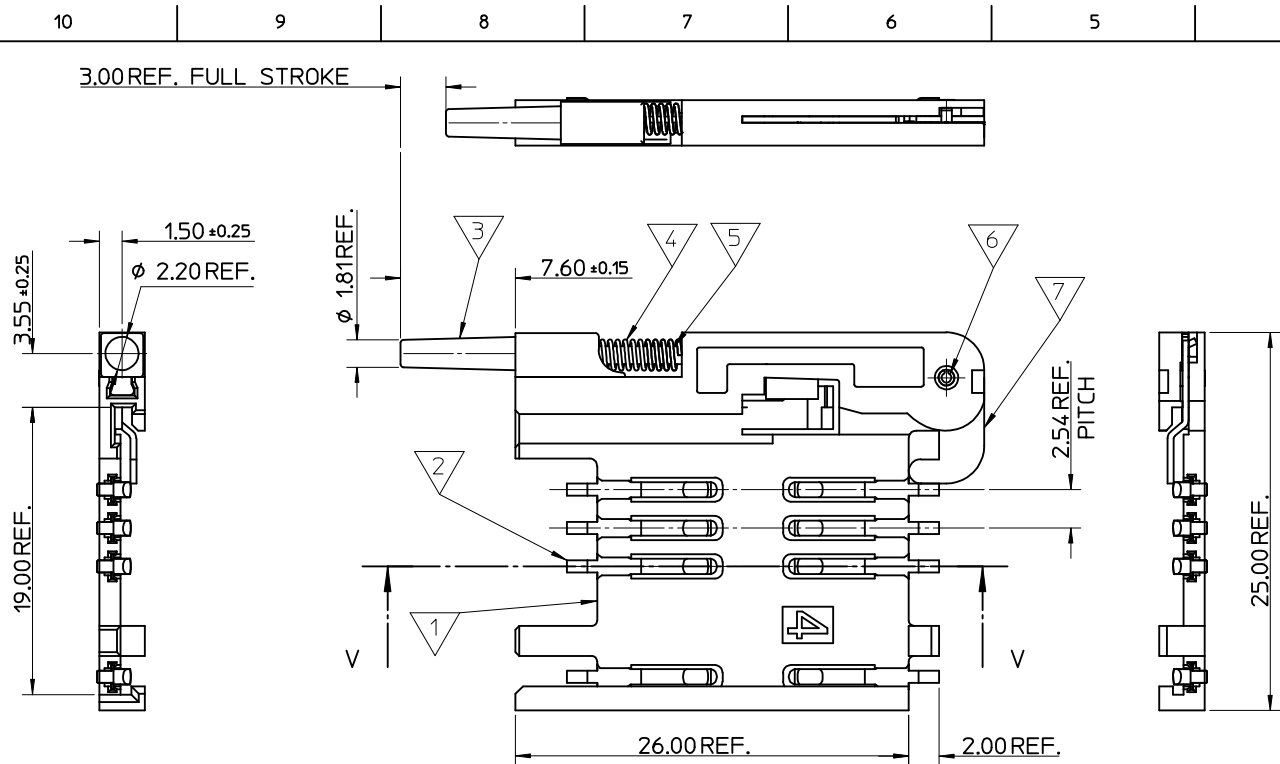
Material Info

Reference - Drawing Numbers

Product Specification	PS-99020-0071
Sales Drawing	SD-91228-001, SDA-91228-9001

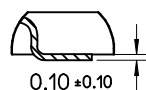
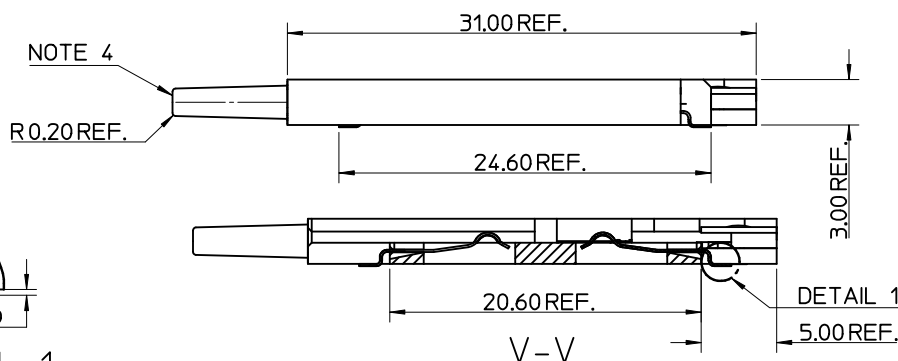
This document was generated on 04/13/2010

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NOTES:

1. SEE PRODUCT SPECIFICATION PS-91228-004.
2. PACKAGING: TAPE & REEL, FOR DETAIL SEE SDA-91228-9001, SHEET 2.
3. SEE SHEET 1 FOR ALL UNSPECIFIED NOTES AND DIMENSIONS.
4. ALLOWABLE FLASH IN THIS AREA 0.3mm MAX.



DETAIL 1

ITEM	COMPONENT	QTY	MATERIAL
1	HOUSING	1	LIQUID CRYSTAL POLYMER (LCP) 30% GLASS FILL, UL94 V-0, COLOUR: BLACK
2	TERMINAL	8	0.15 PHOSPHOR BRONZE. 0.14mm MIN Au OVER Pd/Ni IN CONTACT AREA 2.54mm MIN Sn ON SMT TAILS
3	PUSH BUTTON	1	GF POLYAMIDE 6T/66, NATURAL
4	COIL SPRING	1	0.25 REF THK STAINLESS STEEL
5	PUSH ROD	1	0.4 REF THK STAINLESS STEEL
6	C-PIN	1	STEEL
7	LEVER	1	0.4 REF THK STAINLESS STEEL

REV	DESCRIPTION	DATE	BY	APP'D
D	SEE SHEET 1	2009/07/29	DRWN:FDUGGAN	2009/07/30
	EC NO: E2009-0597	2009/07/30	CHKD:	2009/07/30
	APPR:EFOLAN	2009/07/30		

QUALITY SYMBOLS
▽=0
◻=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.05	± ---
1 PLACE	± 0.1	± ---

ANGULAR ± 2 °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY	DATE
RFORREY	2006/11/27
CHECKED BY	DATE
FDUGGAN	2006/11/27
APPROVED BY	DATE
EFOLAN	2006/11/27

MATERIAL NO.

912283005

SIZE
A3

SCALE

5:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

SIM CONNECTOR ASSY



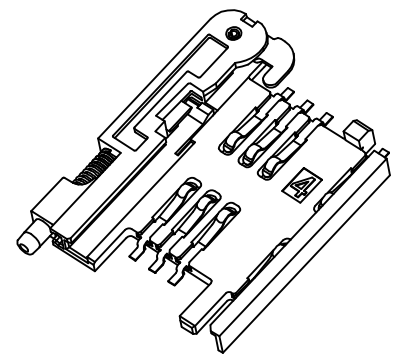
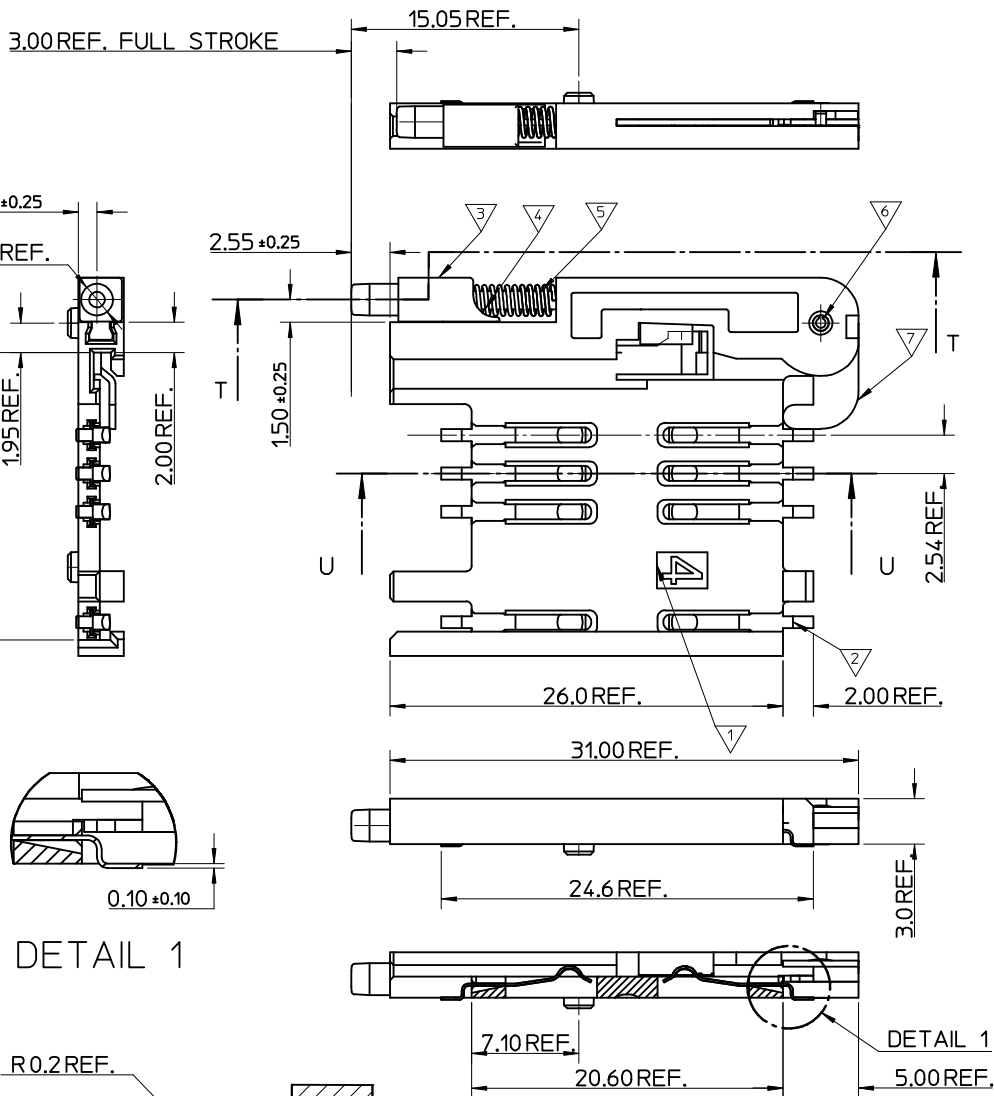
MOLEX INCORPORATED

DOCUMENT NO.

SD-91228-001

SHEET NO.

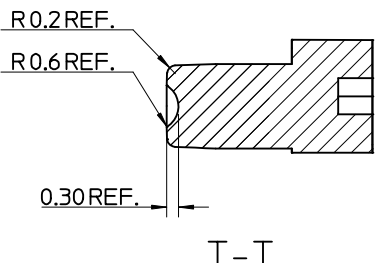
3 OF 6



- NOTES:
1. SEE PRODUCT SPECIFICATION PS-99020-0071.
 2. PACKAGING: TAPE & REEL, FOR DETAIL SEE SDA-91228-9001, SHEET 2.
 3. SEE SHEETS 1 & 2 FOR ALL UNSPECIFIED NOTES AND DIMENSIONS.

ITEM	COMPONENT	QTY	MATERIAL
1	HOUSING	1	LIQUID CRYSTAL POLYMER (LCP) 30% GLASS FILL, UL94 V-0, COLOUR: BLACK
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3	PUSH BUTTON	1	GF POLYAMIDE 6T/66, BLACK.
4	COIL SPRING	1	0.25 REF THK STAINLESS STEEL
5	PUSH ROD	1	0.4 REF THK STAINLESS STEEL
6	C-PIN	1	STEEL
7	LEVER	1	0.4 REF THK STAINLESS STEEL

DETAIL 1



SEE SHEET 1

EC NO: E2009-0597

DRWN: FUGGAN

CHKD:

APPR: EFOLAN

REV

2009/07/29

2009/07/30

2009/07/30

DESCRIPTION

QUALITY SYMBOLS

▽=0

▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.05	± ---
1 PLACE	± 0.1	± ---

ANGULAR ± 2 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY	DATE
RFORREY	2006/11/27
CHECKED BY	DATE
FDUGGAN	2006/11/27
APPROVED BY	DATE
EFOLAN	2006/11/27

MATERIAL NO.

912283006

SIZE

A3

SCALE

5:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

TITLE

SIM CONNECTOR ASSY

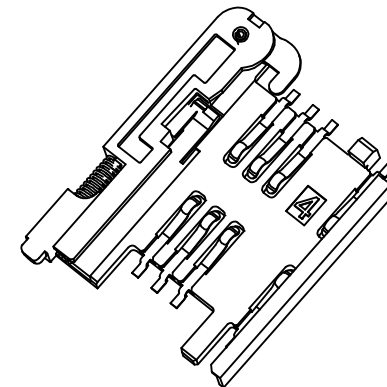
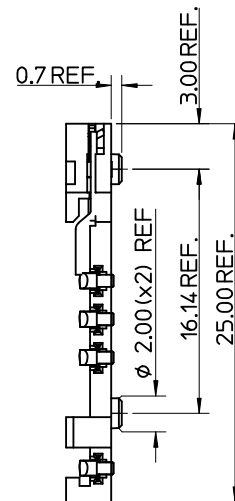
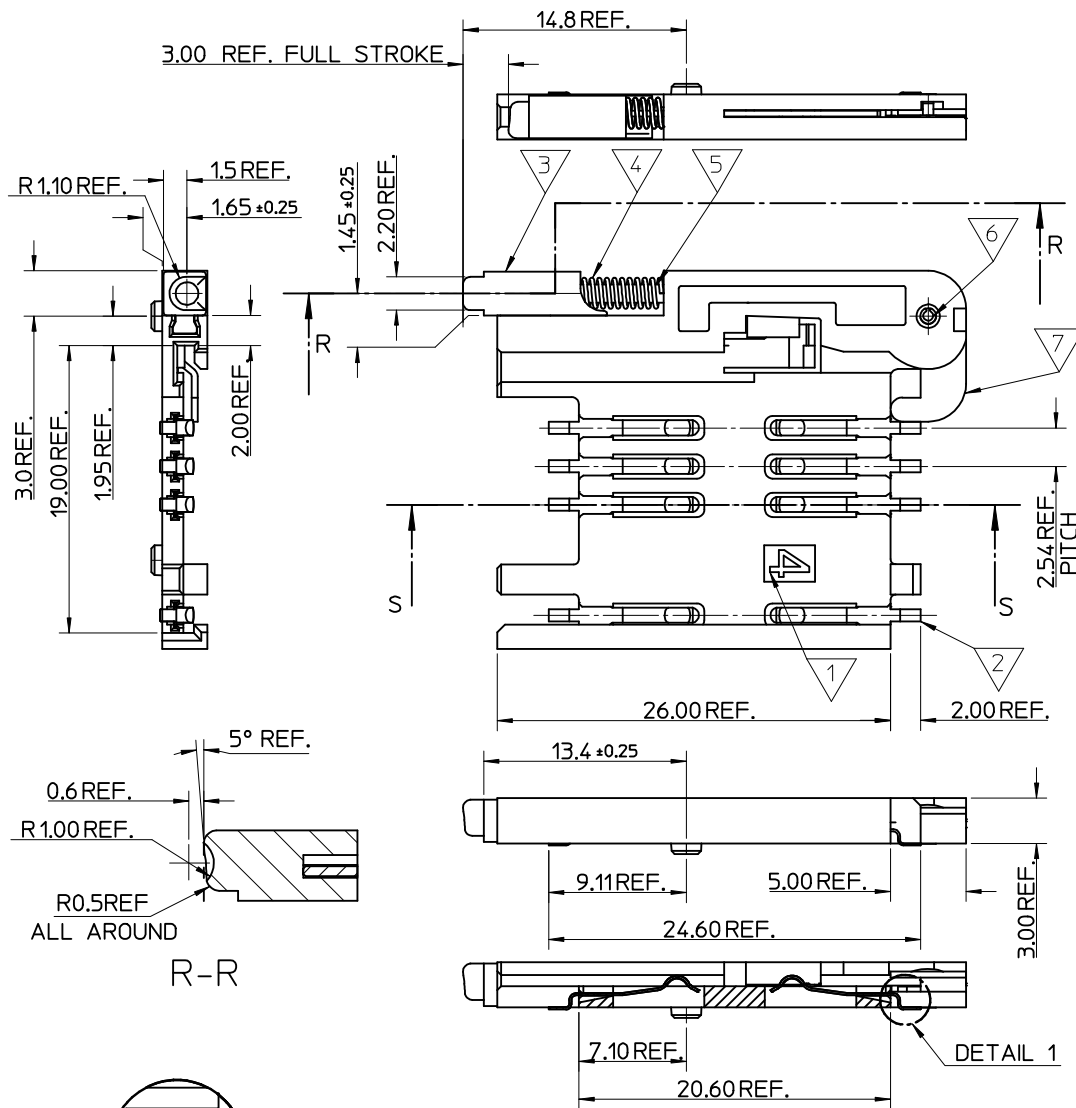
MOLEX INCORPORATED

DOCUMENT NO.

SD-91228-001

SHEET NO.

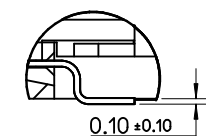
4 OF 6



NOTES:

1. SEE PRODUCT SPECIFICATION PS-99020-0071.
2. PACKAGING: TAPE & REEL, FOR DETAIL SEE SDA-91228-9001, SHEET 1.
3. SEE SHEET 1 FOR ALL UNSPECIFIED NOTES AND DIMENSIONS.

ITEM	COMPONENT	QTY	MATERIAL
1	HOUSING	1	LIQUID CRYSTAL POLYMER (LCP) 30% GLASS FILL, UL94 V-0, COLOUR: BLACK
2	TERMINAL	8	0.15 PHOSPHOR BRONZE. 0.14μm MIN Au OVER Pd/Ni IN CONTACT AREA 2.54μm MIN Sn ON SMT TAILS
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7	LEVER	1	0.4 REF THK STAINLESS STEEL



DETAIL 1

REV	DESCRIPTION	DATE
D	DRWN: FDUGGAN CHKD: APPR: EFOLAN	2009/07/29 2009/07/30

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.05	± ---
1 PLACE	± 0.1	± ---
ANGULAR ± 2 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM ONLY	5:1	METRIC	
DRAWN BY	DATE	TITLE SIM CONNECTOR ASSY	
FORREY	2006/11/27		
CHECKED BY	DATE		
FDUGGAN	2006/11/27	MOLEX INCORPORATED	
APPROVED BY	DATE		
EFOLAN	2006/11/27	SD-91228-001	
MATERIAL NO.	912283007		
SIZE	A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
5:1	METRIC	
TITLE SIM CONNECTOR ASSY		
MOLEX INCORPORATED		
DOCUMENT NO.	SHEET NO.	
SD-91228-001	5 OF 6	

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

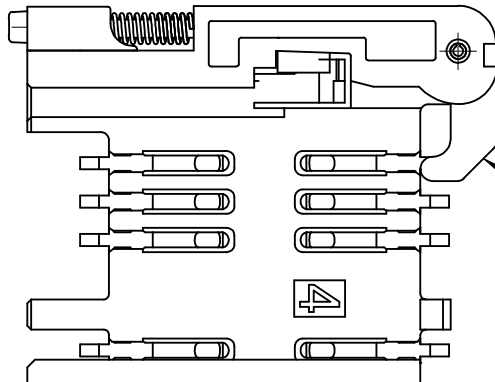
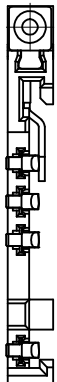
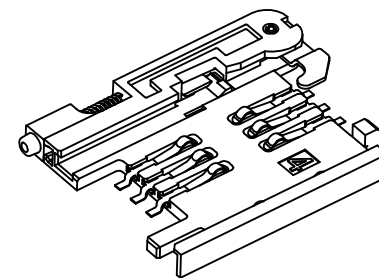
E

D

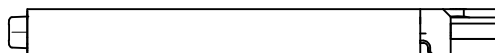
C

B

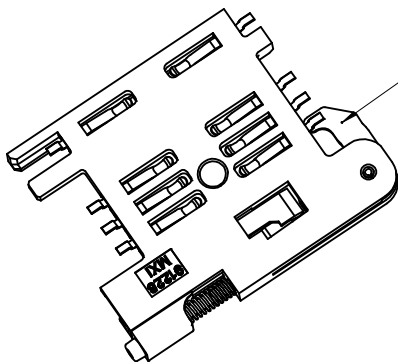
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NOTE 4



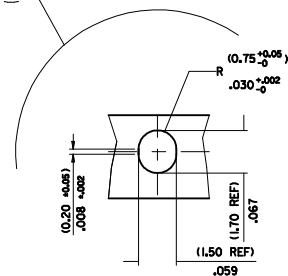
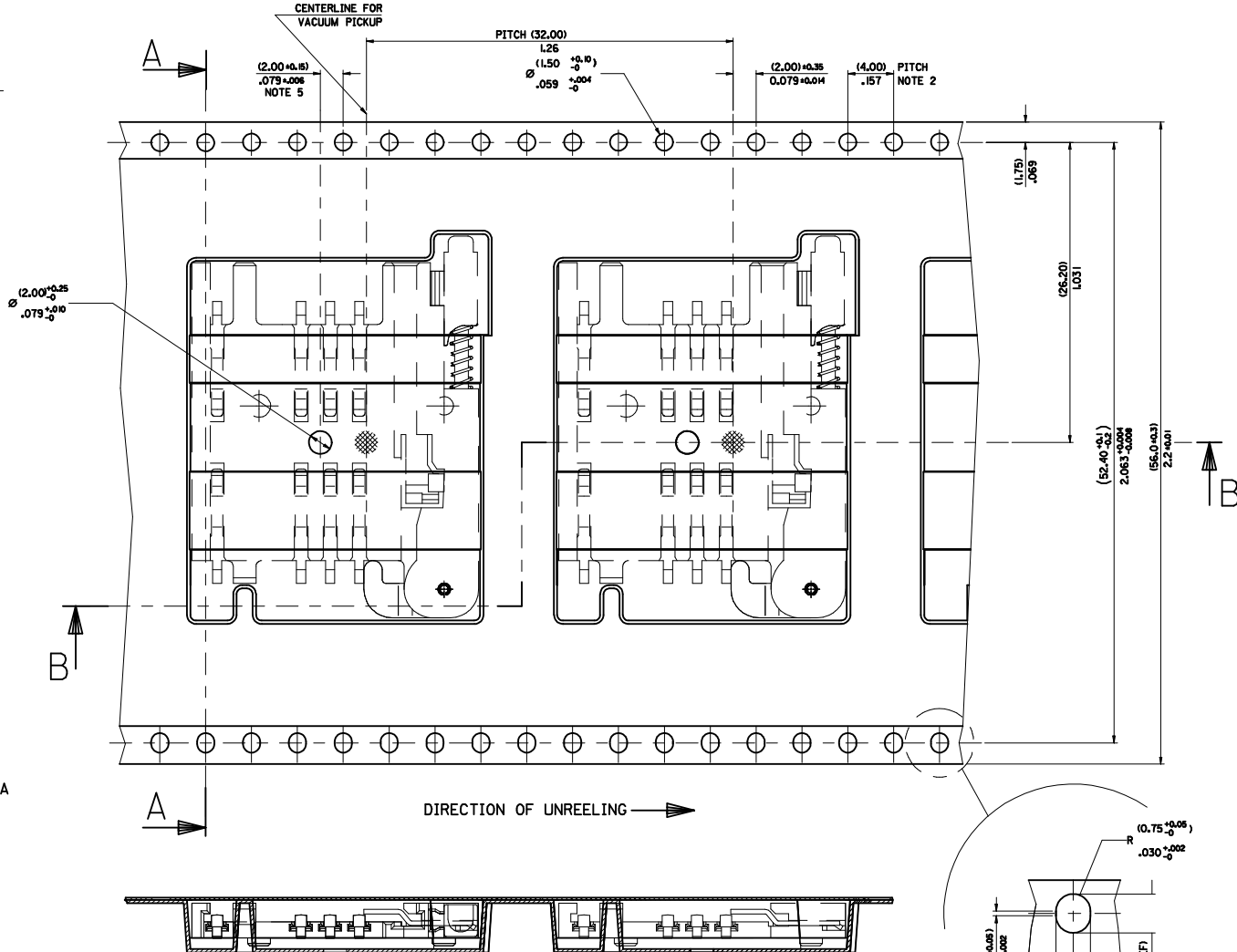
NOTE 6
BLACK COLOUR
THIS FACE



NOTES:

1. SEE PRODUCT SPECIFICATION PS-91228-016
2. PACKAGING: TAPE & REEL, FOR DETAIL
SEE SDA-91228-9001, SHEET 1
3. FOR ALL UNSPECIFIED DIMENSIONS AND NOTES
SEE SHEET 1.
4. 5mm EJECTOR LEVER
5. CARD HOLDER EJECTION DISTANCE: 5.0 ± 0.3 mm
6. LEVER FACE TO BE COLOURED BLACK WITH ALCOHOL BASED INK.

SEE SHEET 1 EC NO: E2009-0597 DRWN:FDUGGAN CHKD: APPR:EFOLAN	2009/07/29 2009/07/30 2009/07/30	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE SIM CONNECTOR ASSY	
					mm	INCH	DRAWN BY RFORREY	DATE 2006/11/27	MOLEX INCORPORATED			
				4 PLACES	± ---	± ---	CHECKED BY	DATE				
				3 PLACES	± ---	± ---	FDUGGAN	2006/11/27				
				2 PLACES	± 0.05	± ---	APPROVED BY	DATE				
				1 PLACE	± 0.1	± ---	EFOLAN	2006/11/27				
			ANGULAR ± 2 °		MATERIAL NO. 912283016		DOCUMENT NO. SD-91228-001		SHEET NO. 6 OF 6			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								



4	D
3	C
2	C
1	G

- B - B**



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Rev. E 2006/04/15