

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0912283002](#)
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 \(PDF\)](#)

[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
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	Yes
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)

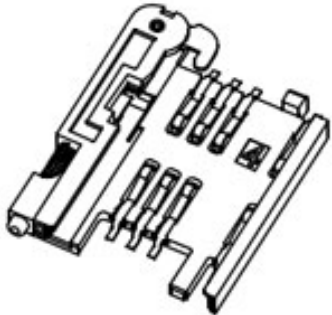


image - Reference only

Series

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

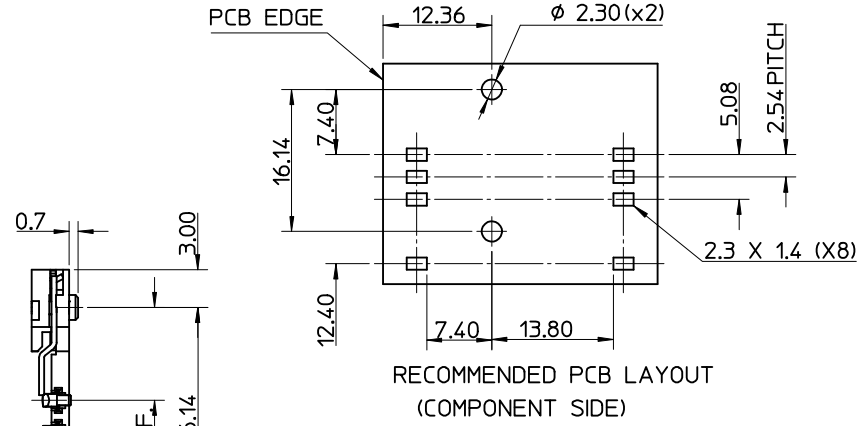
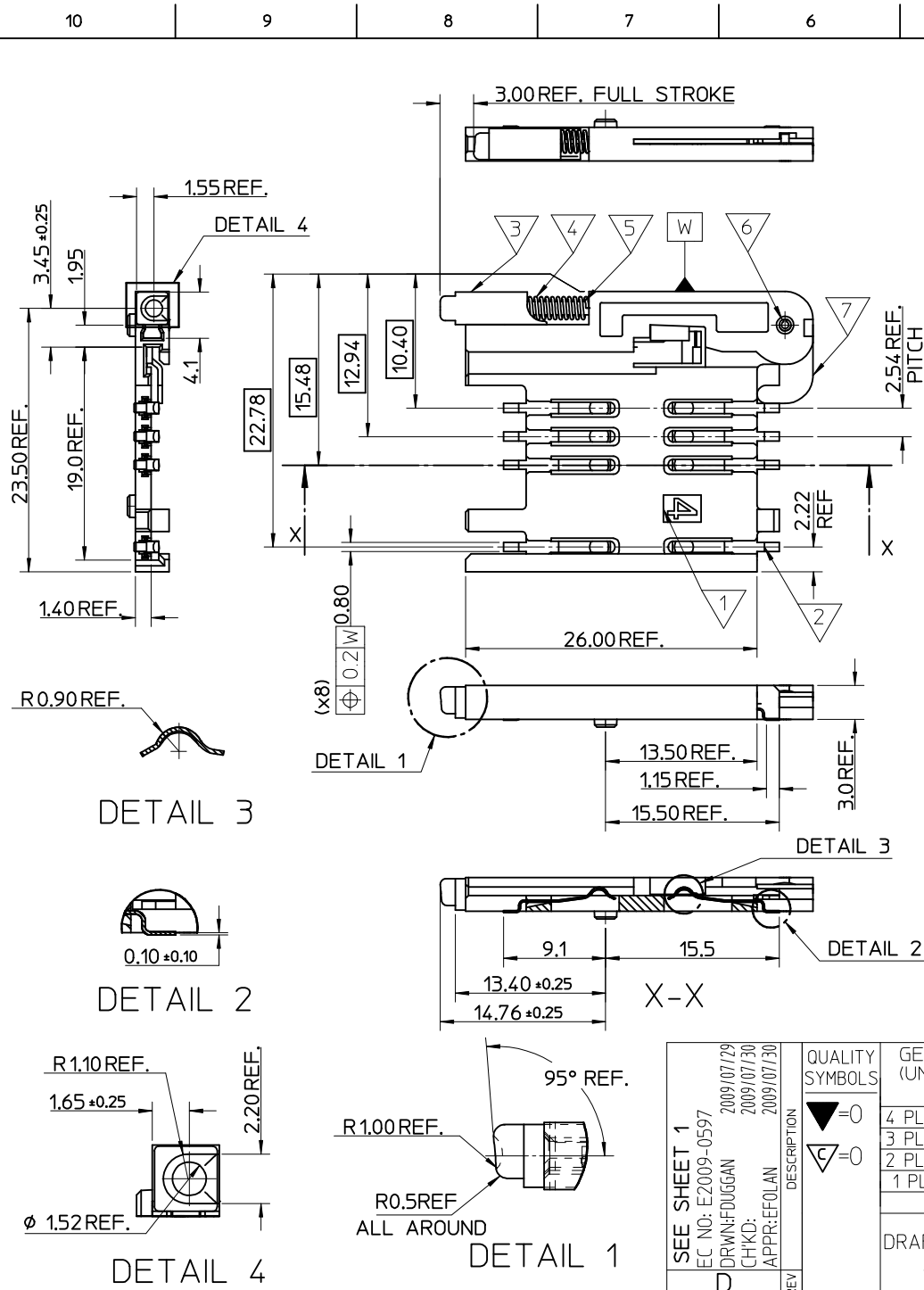
Material Info

Reference - Drawing Numbers

Sales Drawing	SD-91228-001, SDA-91228-9001
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This document was generated on 04/13/2010

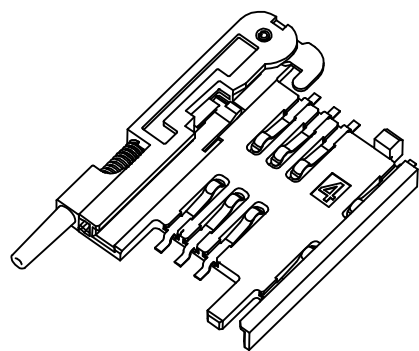
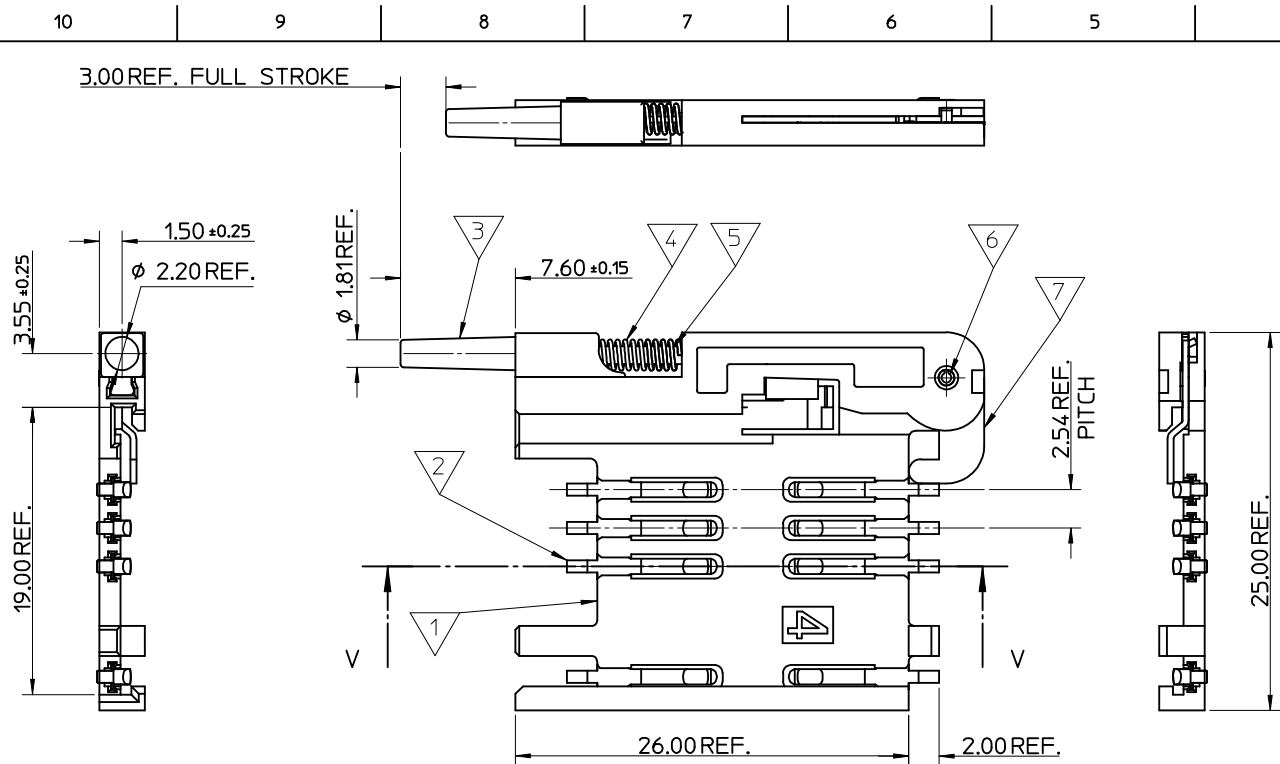
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- NOTES:
- 1. SEE PRODUCT SPECIFICATION PS-99020-0071.
 - 2. PACKAGING: TAPE & REEL, FOR DETAIL SEE SDA-91228-9001, SHEET 1
 - 3. FOR ALL UNSPECIFIED DIMENSIONS AND NOTES SEE SHEET 1.

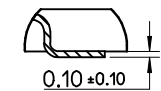
ITEM	COMPONENT	QTY	MATERIAL
1	HOUSING		LIQUID CRYSTAL POLYMER (LCP) 30% GLASS FILL, UL94 V-0, COLOUR: BLACK
2	TERMINAL		0.15 PHOSPHOR BRONZE. 0.14mm MIN Au OVER Pd/Ni IN CONTACT AREA 2.54mm MIN Sn ON SMT TAILS
3	PUSH BUTTON		GF POLYAMIDE 6T/66, BLACK.
4	COIL SPRING		0.25 REF THK STAINLESS STEEL
5	PUSH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

SEE SHEET 1 EC NO: E2009-0597 DRAWN: DUGGAN CHKD: APPR: EFOLAN REV D	QUALITY SYMBOLS ▽=0 ◁=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				DRAWN BY RFORREY	DATE 2006/11/27	TITLE SIM CONNECTOR ASSY			
				CHECKED BY FDUGGAN	DATE 2006/11/27				
				APPROVED BY EFOLAN	DATE 2006/11/27				
				MATERIAL NO. 912283002	DOCUMENT NO. SD-91228-001	SHEET NO. 2 OF 6			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



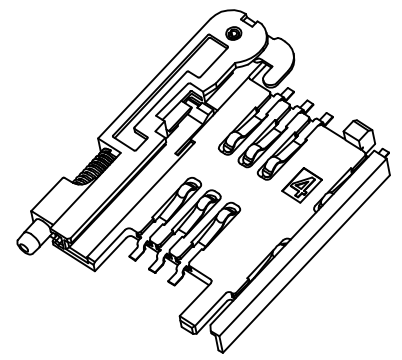
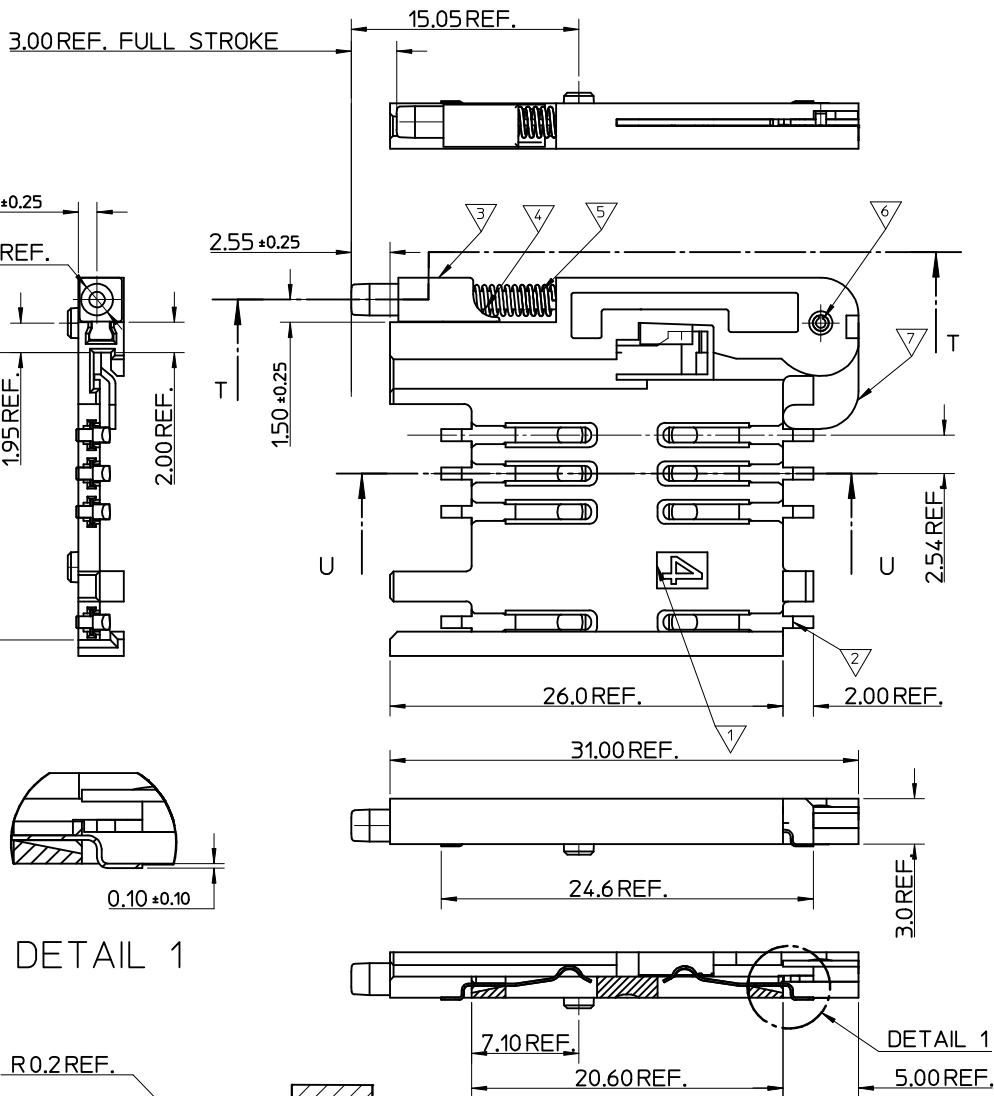
- NOTES:
1. SEE PRODUCT SPECIFICATION PS-91228-004.
 2. PACKAGING: TAPE & REEL, FOR DETAIL SEE SDA-91228-9001, SHEET 2.
 3. SEE SHEET 1 FOR ALL UNSPECIFIED NOTES AND DIMENSIONS.
 4. ALLOWABLE FLASH IN THIS AREA 0.3mm MAX.

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



DETAIL 1

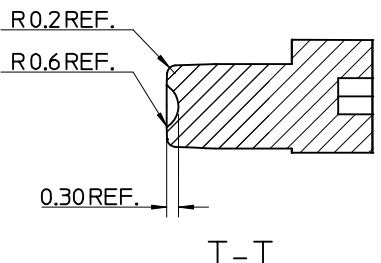
SEE SHEET 1 EC NO: E2009-0597 DRWN:FDUGGAN CHKD: APPR:EFOLAN	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY RFORREY	DATE 2006/11/27	TITLE SIM CONNECTOR ASSY				
			4 PLACES	± ---	± ---	CHECKED BY FDUGGAN	DATE 2006/11/27					
			3 PLACES	± ---	± ---	APPROVED BY EFOLAN	DATE 2006/11/27	MOLEX MOLEX INCORPORATED				
			2 PLACES	± 0.05	± ---	MATERIAL NO. 912283005						
			1 PLACE	± 0.1	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		



- 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
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, 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

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: RFORREY

CHECKED BY: FDUGGAN

APPROVED BY: EFOLAN

MATERIAL NO. 912283006

SIZE A3

SCALE 5:1

DESIGN UNITS METRIC

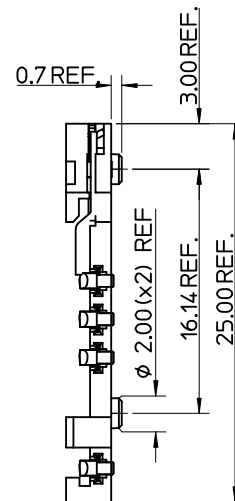
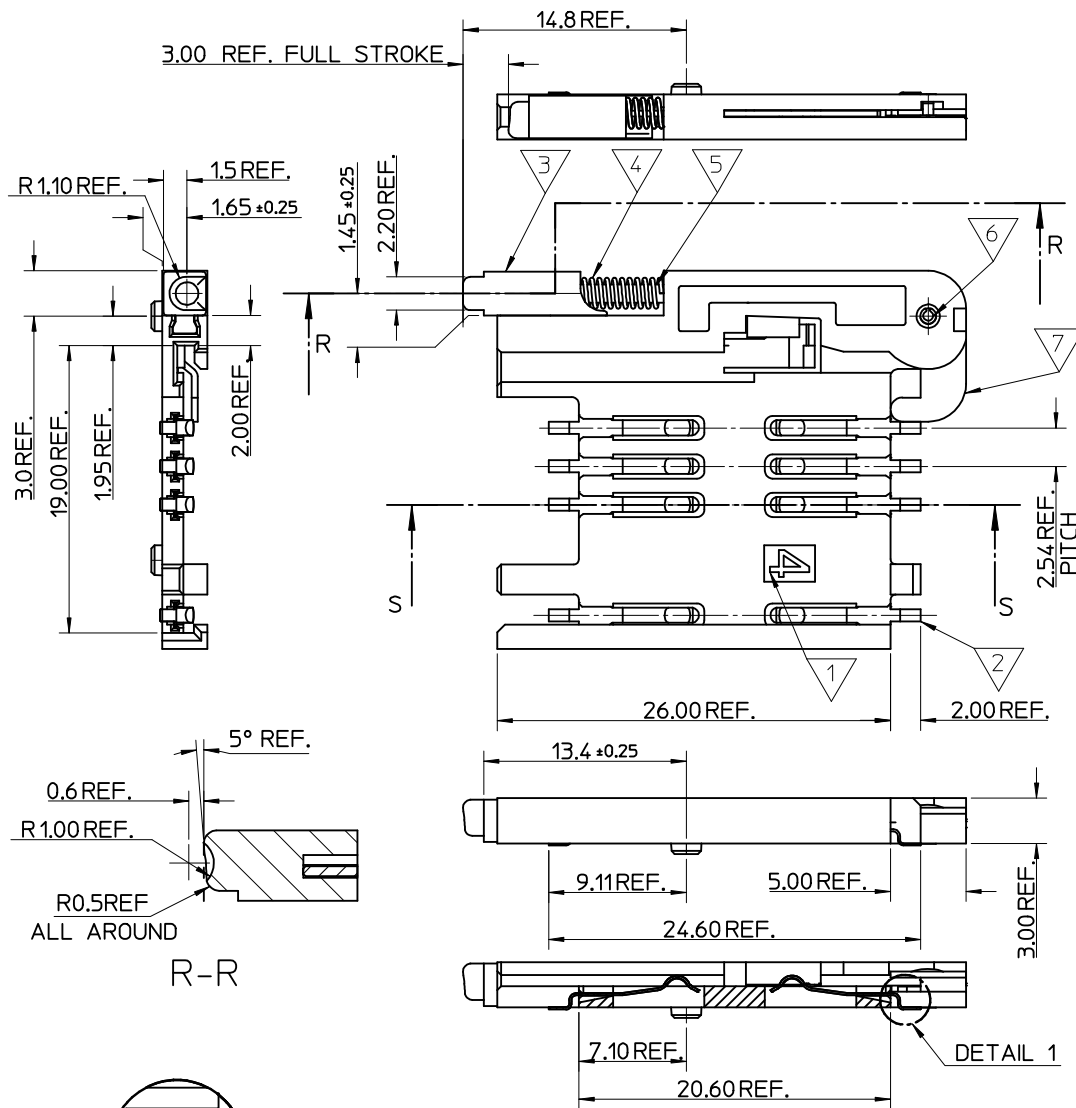
THIRD ANGLE PROJECTION

TITLE SIM CONNECTOR ASSY

MOLEX INCORPORATED

DOCUMENT NO. SD-91228-001

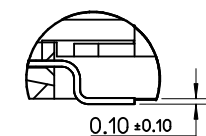
SHEET NO. 4 OF 6



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. 0.14mm MIN Au OVER Pd/Ni IN CONTACT AREA 2.54mm MIN Sn ON SMT TAILS
3	PUSH BUTTON	1	GF POLYAMIDE 6T/66, BLUE
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

S-S

REV	DESCRIPTION	DATE
1	EC NO: E2009-0597 DRAWN: 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
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.
912283007

SCALE
5:1

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

TITLE
SIM CONNECTOR ASSY



MOLEX INCORPORATED

DOCUMENT NO.

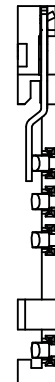
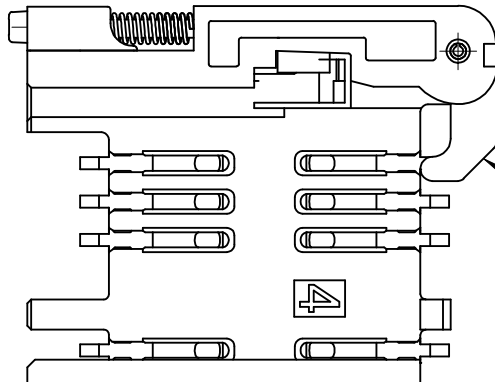
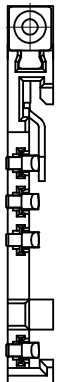
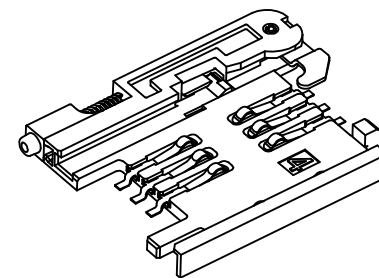
SD-91228-001

SHEET NO.

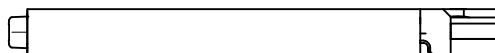
5 OF 6

SIZE
A3

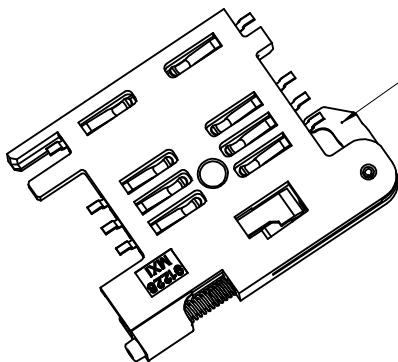
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NOTE 4



NOTE 6
BLACK COLOUR
THIS FACE



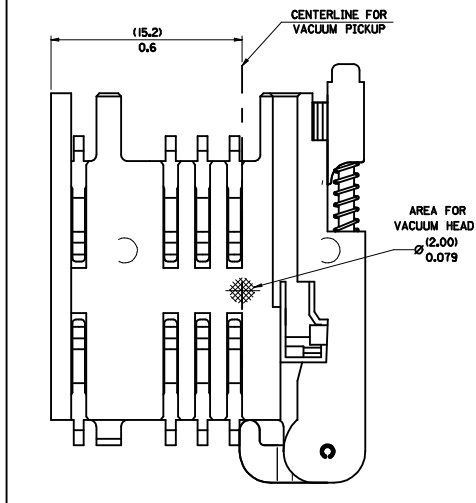
NOTES:

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±0.3mm
6. LEVER FACE TO BE COLOURED BLACK WITH ALCOHOL BASED INK.

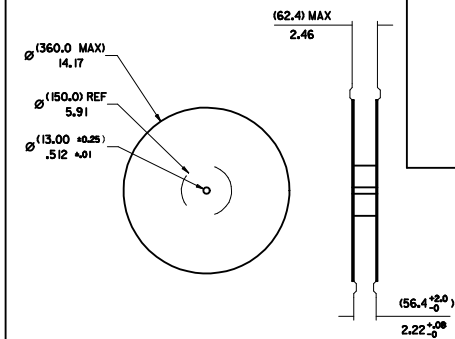
SEE SHEET 1 EC NO: E2009-0597 DRWN:FDUGGAN CHKD: APPR:EFOLAN	2009/07/29 2009/07/30 2009/07/30	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE SIM CONNECTOR ASSY				
				4 PLACES 3 PLACES 2 PLACES 1 PLACE	mm	INCH	DRAWN BY RFORREY	DATE 2006/11/27	MOLEX MOLEX INCORPORATED						
					± ---	± ---	CHECKED BY FDUGGAN	DATE 2006/11/27							
					± ---	± ---	APPROVED BY EFOLAN	DATE 2006/11/27							
					± 0.05	± ---	MATERIAL NO. 912283016					DOCUMENT NO. SD-91228-001	SHEET NO. 6 OF 6		
					± 0.1	± ---	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			

PART NO	DESCRIPTION
91228-0001 & 91228-3001	SIM CONNECTOR WITHOUT PEGS
91228-0002 & 91228-3002	SIM CONNECTOR WITH PEGS
91228-0012 & 91228-3012	SIM CONNECTOR WITH PEGS
91228-0007 & 91228-3007	SIM CONNECTOR WITH PEGS

COMPONENT PICK UP DETAIL

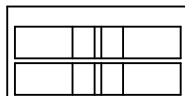


REFERENCE ONLY



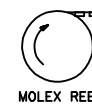
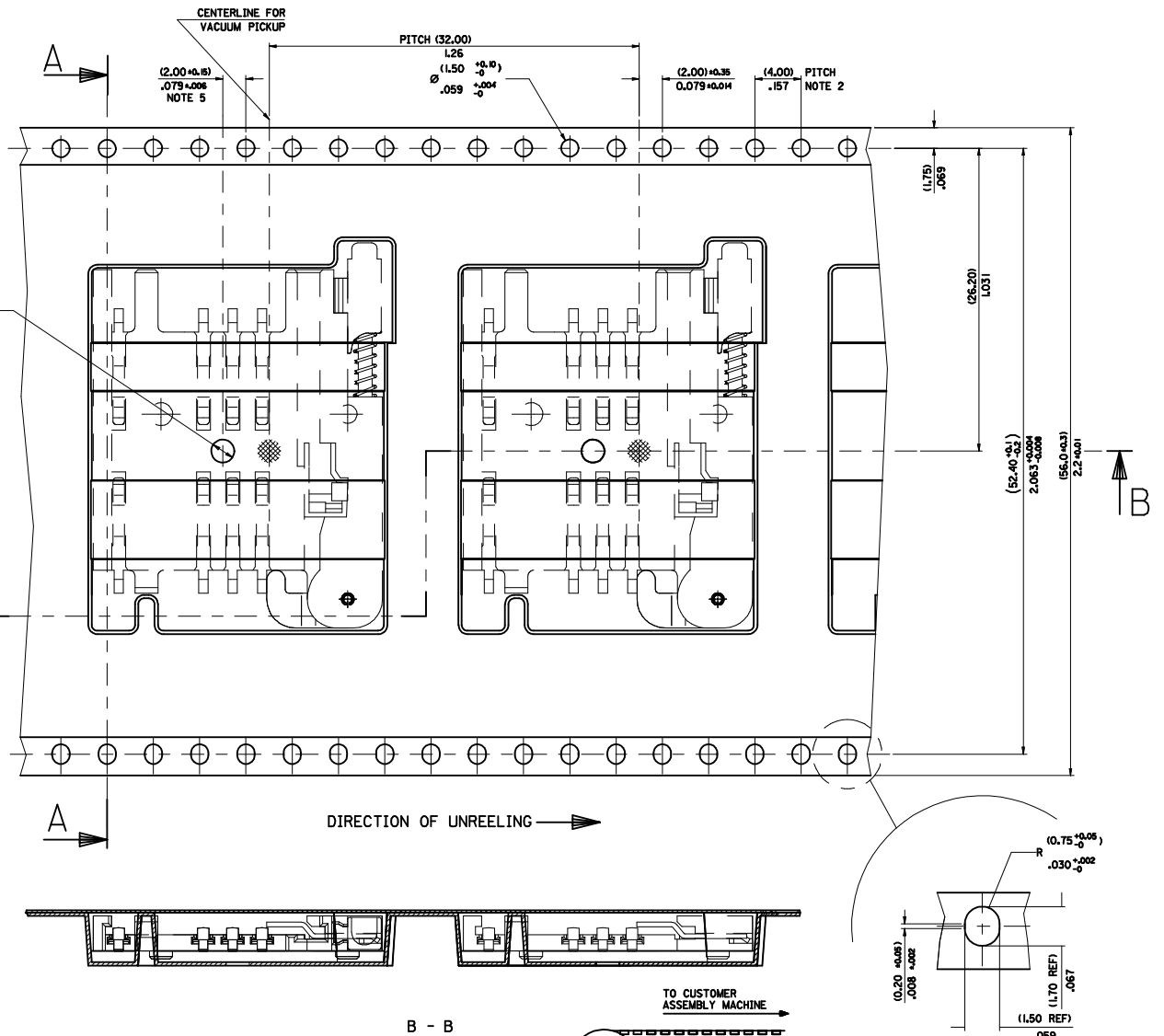
REEL DIMENSIONS NOT TO SCALE

- (400) PIECES ON A REEL
- (2) REELS / CARDBOARD BOX
- (800) PIECES / CARDBOARD BOX - SUBJECT TO CHANGE



NOTES:

- MATERIAL :
CARRIER TAPE : VOLUME CONDUCTIVE POLYSTYRENE, 0.40 REF THICK, BLACK
COVER TAPE : COLD SEAL POLYESTER, 0.08 REF THICK TRANSPARENT
- PITCH TOLERANCE OVER ANY 10 PITCHES ± 0.2 MM
- PEEL FORCE OF THE COVER TAPE IS 0.1 N TO 1.0 N
AT A MAXIMUM PEEL SPEED OF 300 MM/MIN ± 10%
- PACKAGING SPEC, PK-91228-002
- REFERENCE TO IEC 286-3 EXCEPT WHERE NOTED



SCALE 10:1

MOD REV. LEVELS EC NO: E2009-0200 G DOWNSGARTON CHICK APPROVE:LAN		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION					
		▽=0		mm INCH		MM/IN		1:1	METRIC						
		▽=0		4 PLACES ± --- ± ---		DRAWN BY DMAHER		DATE 2006/12/07	TITLE BLISTER PACKAGING SIM CARD PCB HOUSING						
				3 PLACES ± --- ± ---		CHECKED BY		DATE							
				2 PLACES ± 0.10 ± ---		DUGGAN		DATE 2006/12/07							
		1 PLACE ± 0.20 ± ---		APPROVED BY		DATE	MOLEX INCORPORATED								
		ANGULAR ± 2°		EFOLAN		DATE 2006/12/07									
				MATERIAL NO.		DOCUMENT NO.					SHEET NO.				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE CHART				SDA-91228-9001				1 OF 4			
				SIZE A1				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							