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Part Number: 0912283007

Status: Active

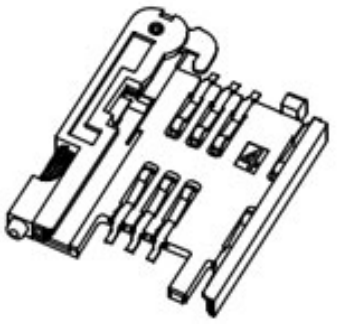
Description: 2.54mm (.100") Pitch ChipSIM Connector, 6 Circuits, SMT, With Ejector,With Pegs, Use With Card Holder 91236

Documents:

3D Model

Drawing (PDF)

RoHS Certificate of Compliance (PDF)



Series image - Reference only

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	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)

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

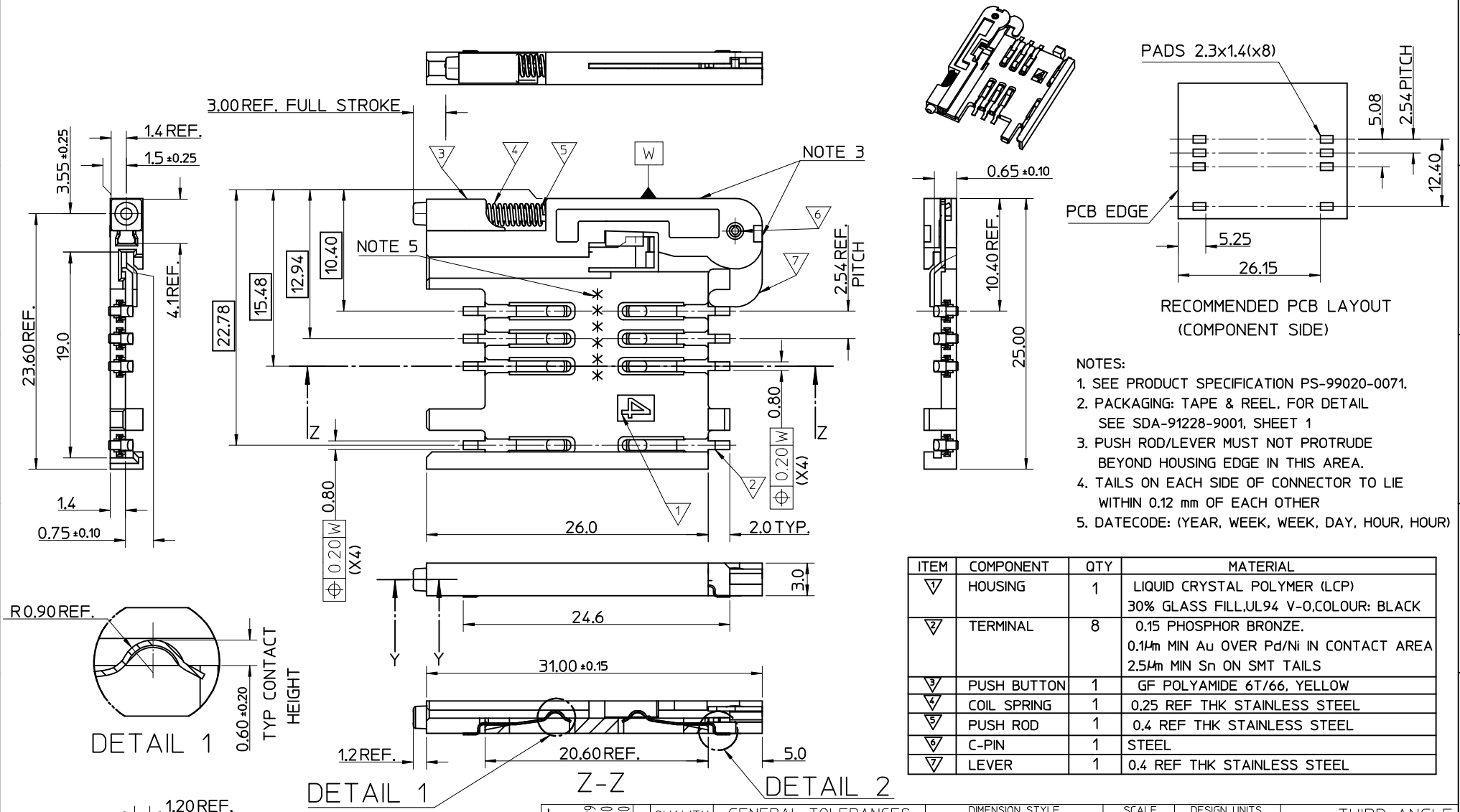
Material Info

Reference - Drawing Numbers

Sales Drawing	SD-91228-001, SDA-91228-9001

This document was generated on 04/13/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



RECOMMENDED PCB LAYOUT
(COMPONENT SIDE)

NOTES:
1. SEE PRODUCT SPECIFICATION PS-99020-0071.
2. PACKAGING: TAPE & REEL, FOR DETAIL SEE SDA-91228-9001, SHEET 1
3. PUSH ROD/LEVER MUST NOT PROTRUDE BEYOND HOUSING EDGE IN THIS AREA.
4. TAILS ON EACH SIDE OF CONNECTOR TO LIE WITHIN 0.12 mm OF EACH OTHER
5. DATECODE: (YEAR, WEEK, WEEK, DAY, HOUR, HOUR)

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. 0.1μm MIN Au OVER Pd/Ni IN CONTACT AREA 2.5μm MIN Sn ON SMT TAILS
3	PUSH BUTTON	1	GF POLYAMIDE 6T/66, YELLOW
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

MOD TO BUTTON MAT
EC NO: E2009-0597 2009/07/29
DRWN:FDUGGAN 2009/07/30
CH'KD: APPR:EFOLAN 2009/07/30
DESCRIPTION
REV D

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
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

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

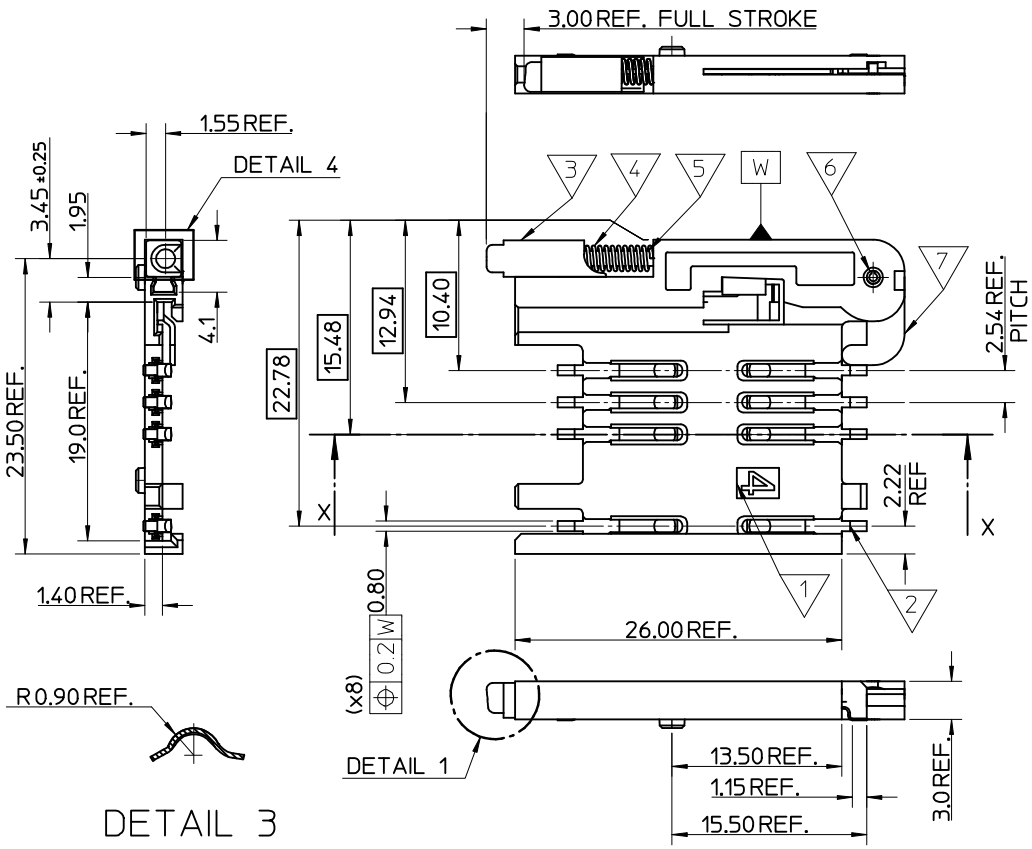
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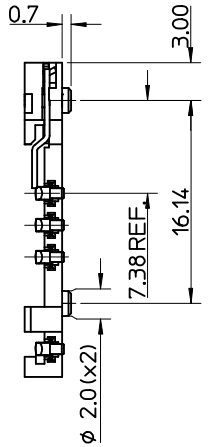
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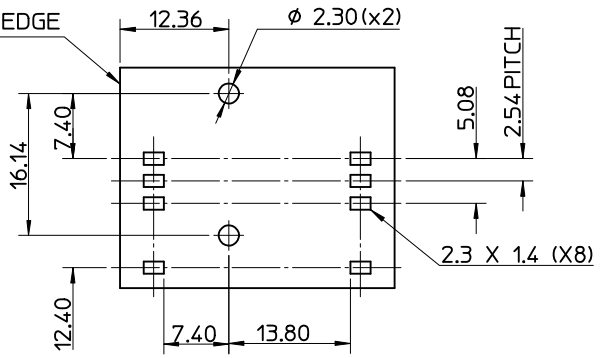
MATERIAL NO.: 912283001
DOCUMENT NO.: SD-91228-001
SHEET NO.: 1 OF 6

SIZE A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION







RECOMMENDED PCB LAYOUT
(COMPONENT SIDE)

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. 0.1µm MIN Au OVER Pd/Ni IN CONTACT AREA 2.5µm 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 2009/07/29
DRWN:FDUGGAN 2009/07/30
CH'KD: 2009/07/30
APPR:EFOLAN
DESCRIPTION
REV D

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
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

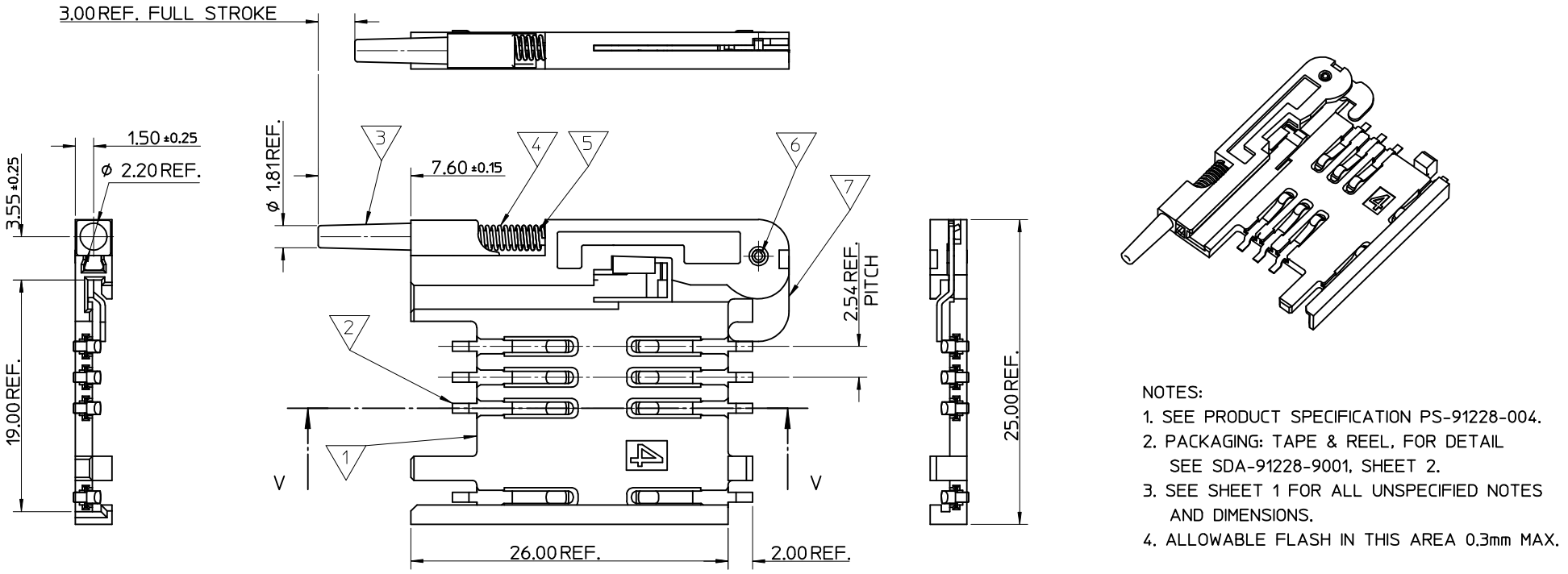
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CHECKED BY: FDUGGAN DATE: 2006/11/27
APPROVED BY: EFOLAN DATE: 2006/11/27

TITLE: SIM CONNECTOR ASSY

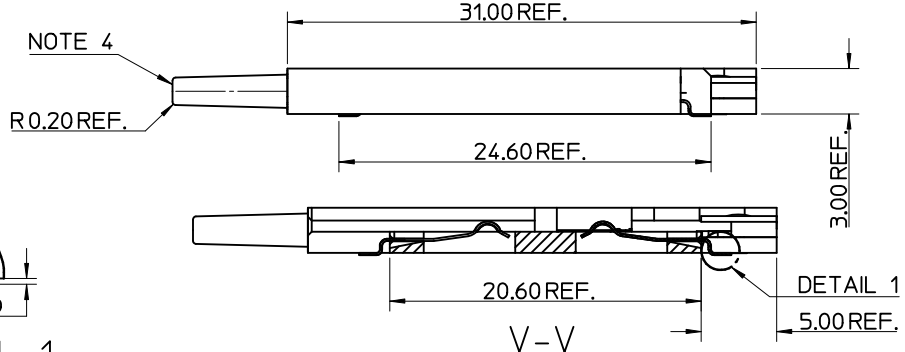
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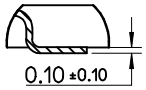
MATERIAL NO.: 912283002
DOCUMENT NO.: SD-91228-001
SHEET NO.: 2 OF 6
SIZE: A3

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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

V-V

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. 0.1µm MIN Au OVER Pd/Ni IN CONTACT AREA 2.5µm 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

SEE SHEET 1
EC NO: E2009-0597 2009/07/29
DRWN:FDUGGAN 2009/07/30
CH'KD: 2009/07/30
APPR:EFOLAN
DESCRIPTION
REV D

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
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

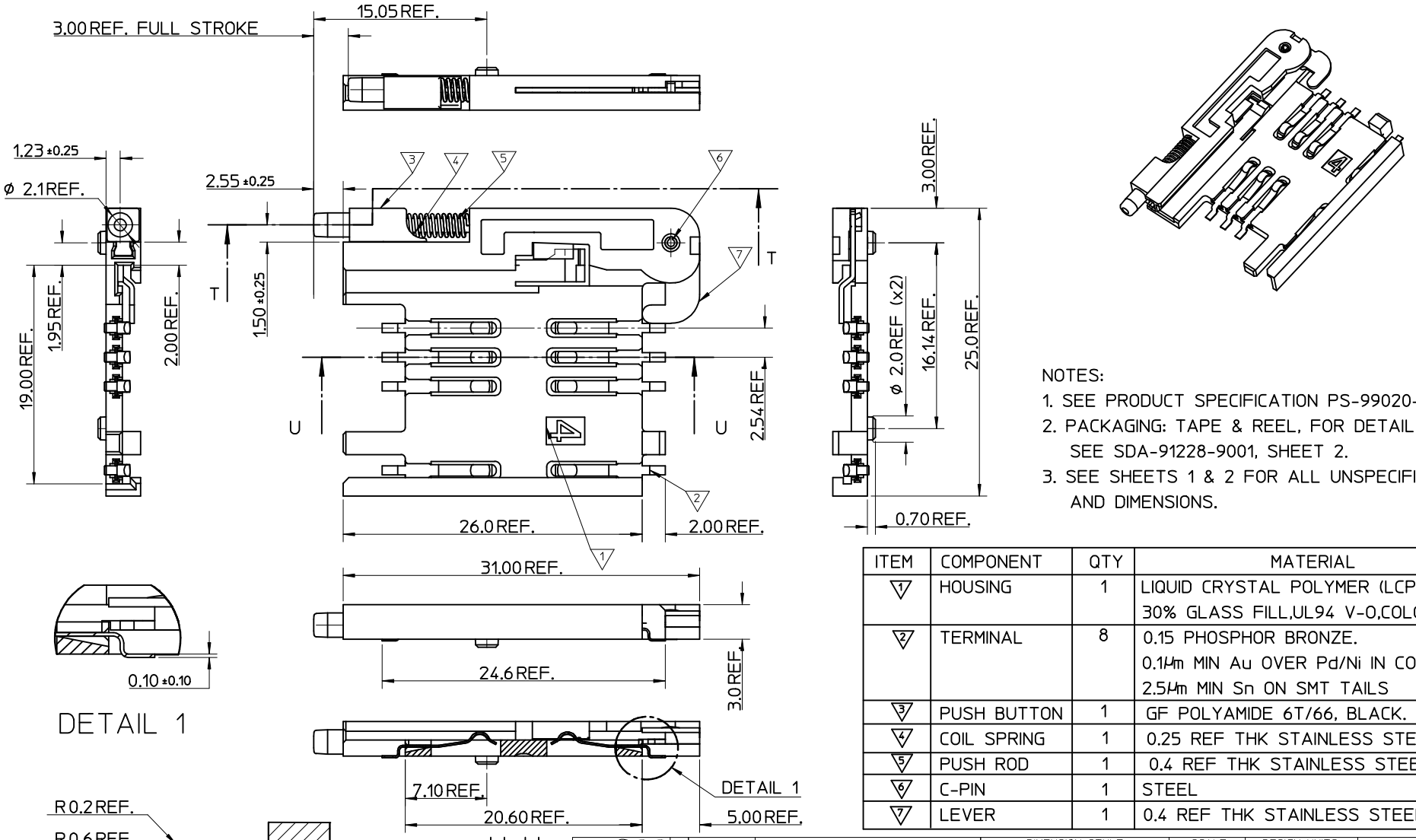
DRAWN BY: RFORREY DATE: 2006/11/27
CHECKED BY: FDUGGAN DATE: 2006/11/27
APPROVED BY: EFOLAN DATE: 2006/11/27

TITLE: SIM CONNECTOR ASSY

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MATERIAL NO.: 912283005
DOCUMENT NO.: SD-91228-001
SHEET NO.: 3 OF 6
SIZE: A3

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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. 0.1µm MIN Au OVER Pd/Ni IN CONTACT AREA 2.5µm 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

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

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
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

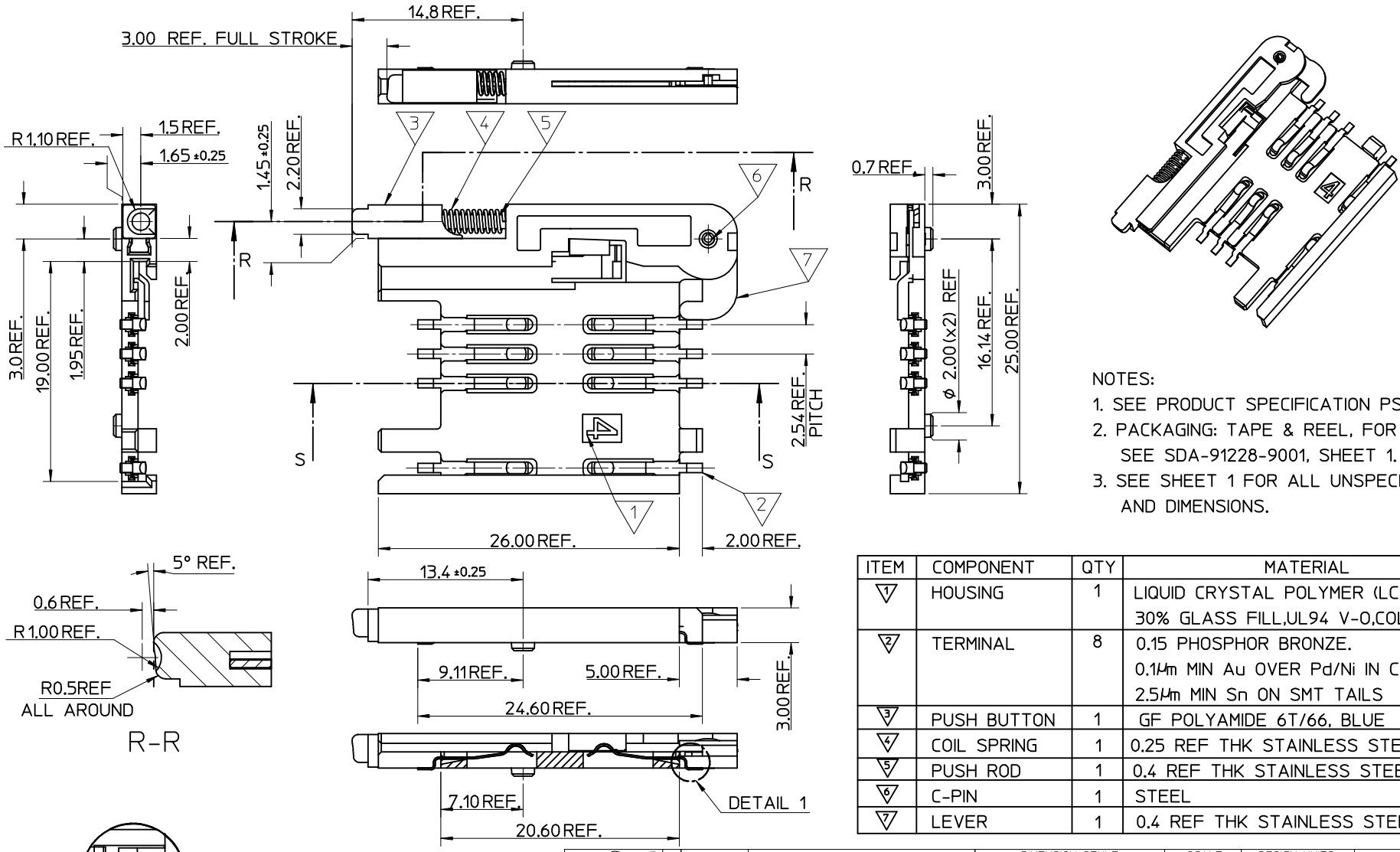
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CHECKED BY: FDUGGAN DATE: 2006/11/27
APPROVED BY: EFOLAN DATE: 2006/11/27

TITLE: SIM CONNECTOR ASSY

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MATERIAL NO.: 912283006
DOCUMENT NO.: SD-91228-001
SHEET NO.: 4 OF 6
SIZE: A3

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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. 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. 0.1µm MIN Au OVER Pd/Ni IN CONTACT AREA 2.5µm 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

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

QUALITY SYMBOLS
▼=0
C=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
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

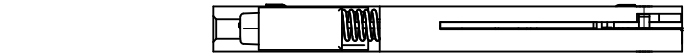
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CHECKED BY: FDUGGAN DATE: 2006/11/27
APPROVED BY: EFOLAN DATE: 2006/11/27

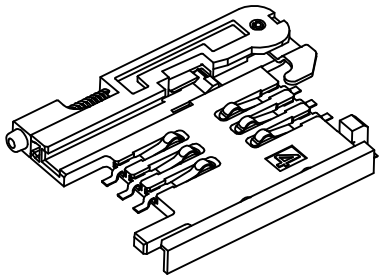
TITLE: SIM CONNECTOR ASSY

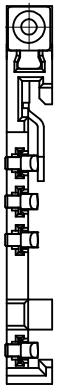
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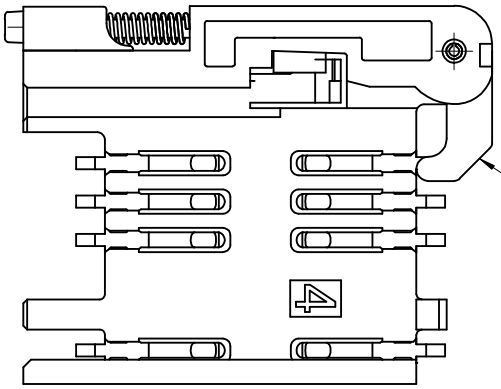
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DOCUMENT NO.: SD-91228-001
SHEET NO.: 5 OF 6
SIZE: A3

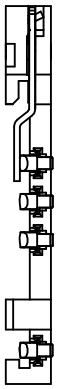
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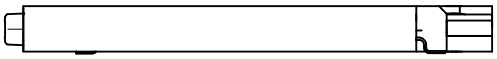


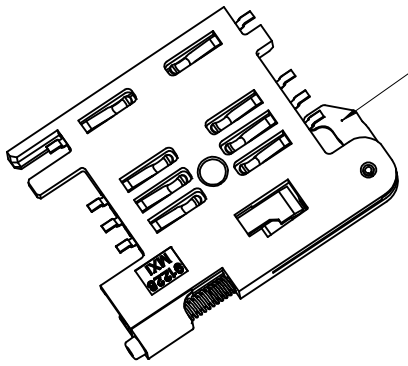












NOTES:

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 2009/07/29
DRWN:FDUGGAN 2009/07/30
CH'KD: 2009/07/30
APPR:EFOLAN
DESCRIPTION
REV
D

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
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

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

TITLE: SIM CONNECTOR ASSY

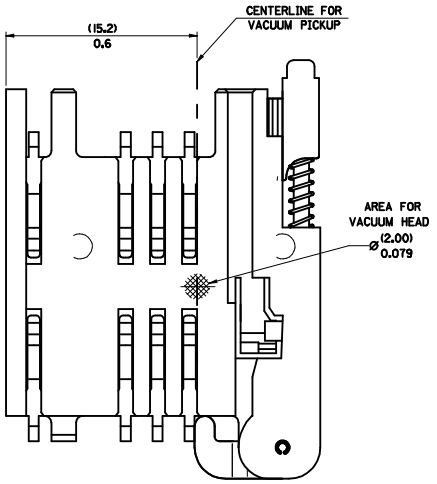
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MATERIAL NO.: 912283016
DOCUMENT NO.: SD-91228-001
SHEET NO.: 6 OF 6
SIZE: A3

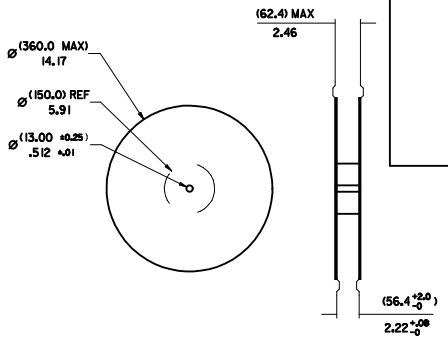
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PART NO	DESCRIPTION
91228-0001 & 91228-3001	SIM CONNECTOR WITHOUT PEGS
91228-0002 & 91228-3002	SIM CONNECTOR WITH PEGS
91228-0012 & 91228-3012	SIM CONNECTOR WITH PEGS
91228-0007 & 91228-3007	SIM CONNECTOR WITH PEGS

COMPONENT PICK UP DETAIL



REFERENCE ONLY



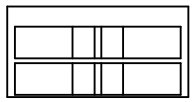
REEL DIMENSIONS

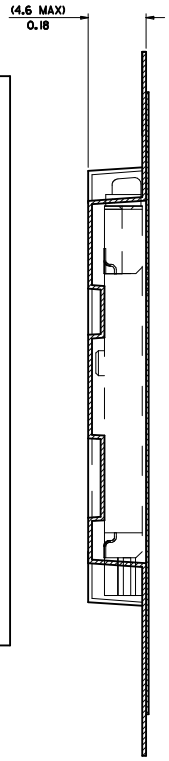
NOT TO SCALE

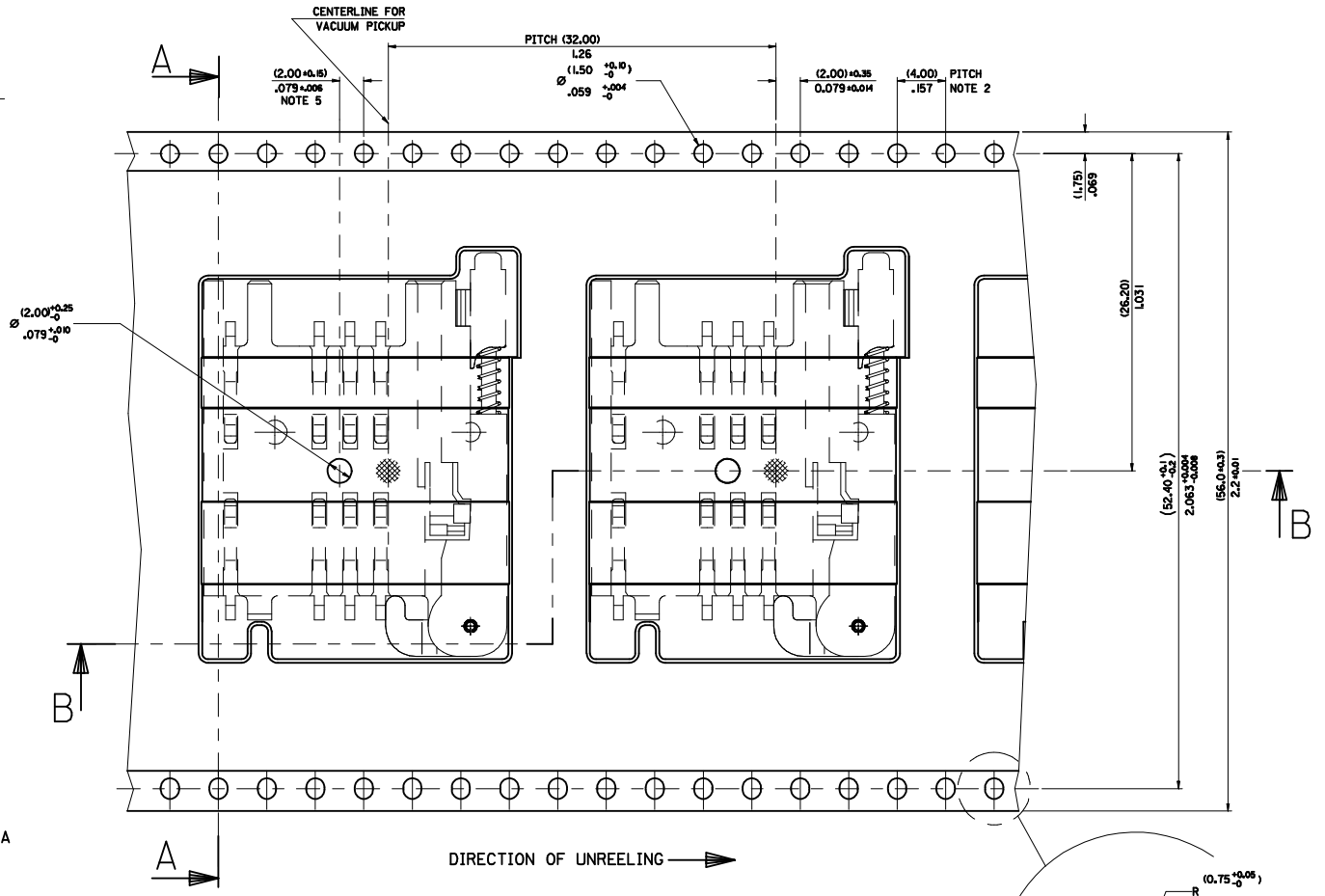
(400) PIECES ON A REEL

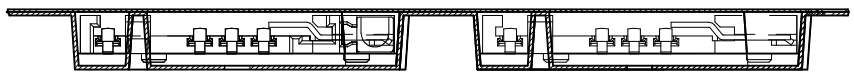
(2) REELS / CARDBOARD BOX

(800) PIECES / CARDBOARD BOX - SUBJECT TO CHANGE

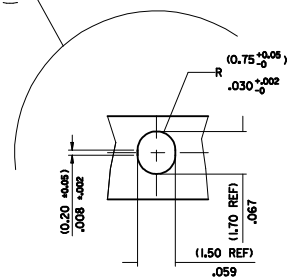












SCALE 10:1

NOTES:

1) MATERIAL :
   CARRIER TAPE : VOLUME CONDUCTIVE POLYSTYRENE, 0.40 REF THICK, BLACK
   COVER TAPE : COLD SEAL POLYESTER, 0.06 REF THICK TRANSPARENT
2) PITCH TOLERANCE OVER ANY 10 PITCHES ± 0.2 MM
3) PEEL FORCE OF THE COVER TAPE IS 0.1 N TO 1.0 N
   AT A MAXIMUM PEEL SPEED OF 300 MM/MIN ± 10%
4) PACKAGING SPEC, PK-91228-002
5) REFERENCE TO IEC 286-3 EXCEPT WHERE NOTED

MOD REV. LEVELS			
EC NO: E2009-0200			
DRWN:DCARTON	2009/01/13		
CHK'D:	2009/01/14		
APPR:EFOLAN	2009/01/15		
REV	DESCRIPTION		
G			

QUALITY SYMBOLS	
▼=0	
Ⓒ=0	

GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± 0.20	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	SCALE	DESIGN UNITS	
MM/IN	1:1	METRIC	THIRD ANGLE PROJECTION

DRAWN BY	DMAHER	DATE 2006/12/07
CHECKED BY	FDUGGAN	DATE 2006/12/07
APPROVED BY	EFOLAN	DATE 2006/12/07

TITLE: BLISTER PACKAGING
SIM CARD PCB HOUSING

molex MOLEX INCORPORATED

MATERIAL NO.	DOCUMENT NO.	SHEET NO.
SEE CHART	SDA-91228-9001	1 OF 4

SIZE A1

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