

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)

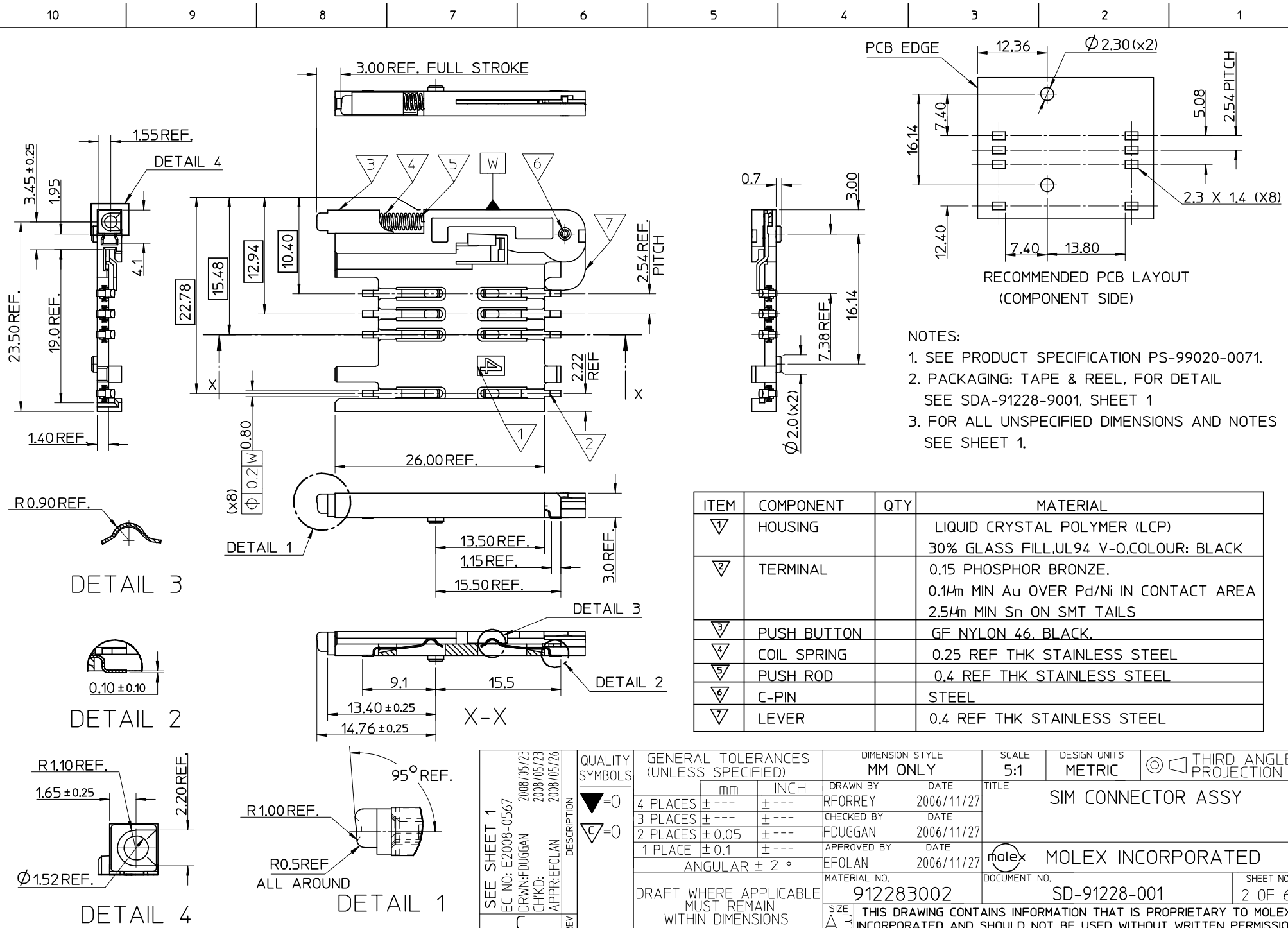
ITEM	COMPONENT	QTY	MATERIAL
1	HOUSING	1	LIQUID CRYSTAL POLYMER (LCP) 30% GLASS FILL, UL94 V-0, COLOUR: BLACK
2	TERMINAL	8	0.15 PHOSPHOR BRONZE. 0.14µm MIN Au OVER Pd/Ni IN CONTACT AREA 2.54µm MIN Sn ON SMT TAILS
3	PUSH BUTTON	1	GF NYLON 46, YELLOW
4	COIL SPRING	1	0.25 REF THK STAINLESS STEEL
5	PUSH ROD	1	0.4 REF THK STAINLESS STEEL
6	C-PIN	1	STEEL
7	LEVER	1	0.4 REF THK STAINLESS STEEL

QUALITY SYMBOLS	
▽=0	
▽=0	
DESCRIPTION	
REV	

GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm
4 PLACES	± 0.15
3 PLACES	± 0.10
2 PLACES	± 0.05
1 PLACE	± 0.1
ANGULAR ± 2°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
FORREY	2006/11/27
CHECKED BY	DATE
FDUGGAN	2006/11/27
APPROVED BY	DATE
EFOLAN	2006/11/27
MATERIAL NO.	
912283001	
SIZE	
A3	

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



- 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 NYLON 46, 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: E2008-0567
DRAWN: FUGGAN
CHKD: 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

SIZE
A3

DIMENSION STYLE
MM ONLY
DRAWN BY: RFORREY
CHECKED BY: FDUGGAN
APPROVED BY: EFOLAN
MATERIAL NO.
912283002

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

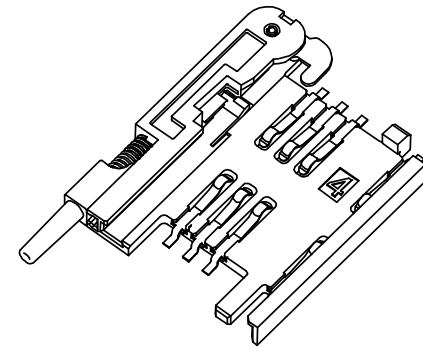
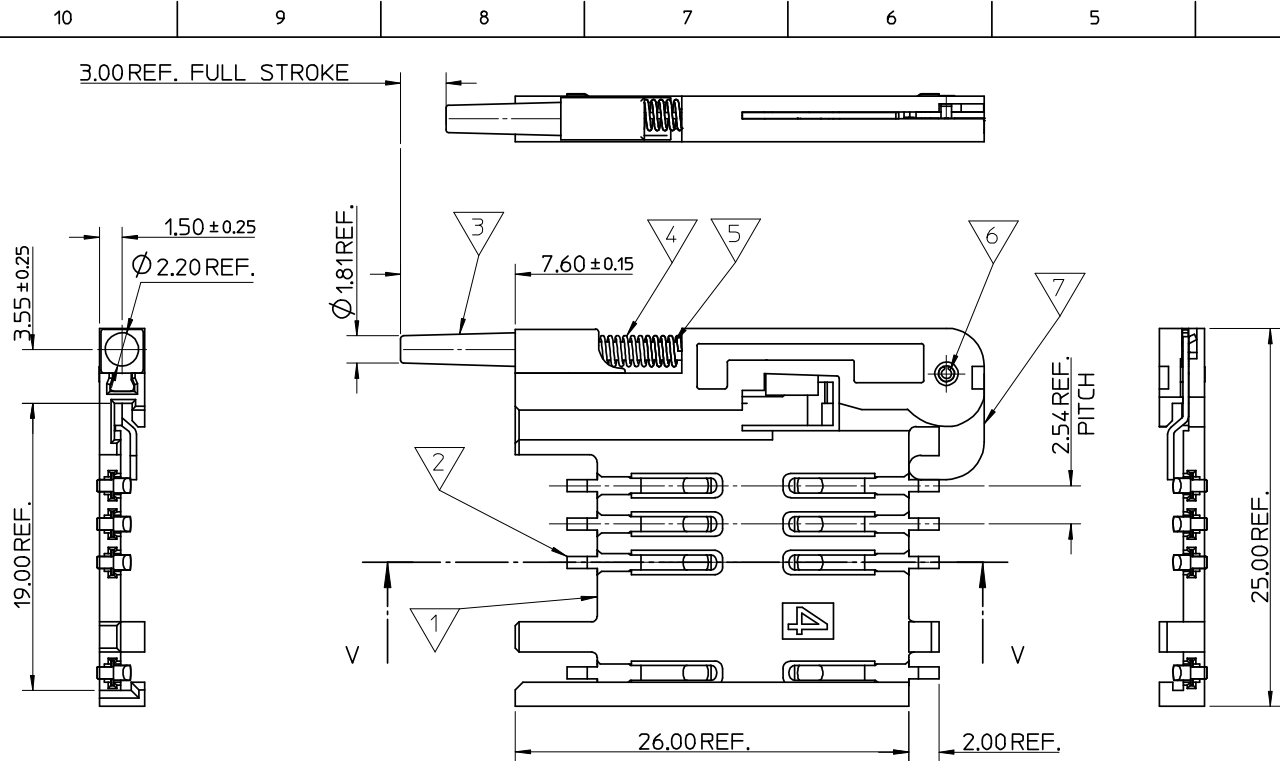
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION STYLE
MM ONLY
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

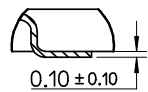
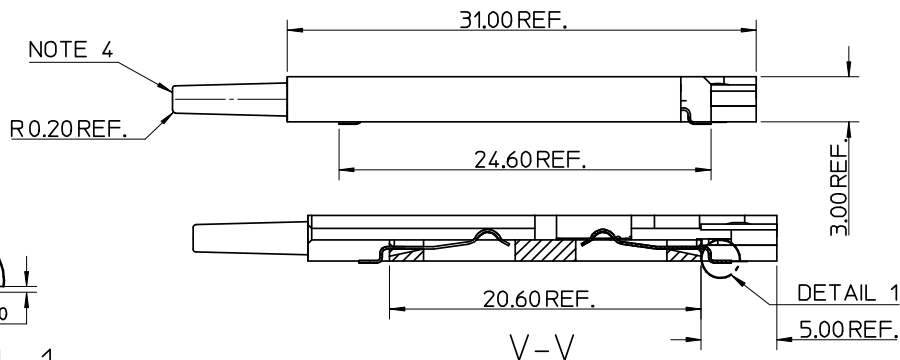
SIM CONNECTOR ASSY

MOLEX INCORPORATED
SD-91228-001

SHEET NO.
2 OF 6



- 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 NYLON 46, 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: E2008-0567

DRWN:FDUGGAN

CHKD:

APPR:EFOLAN

REV

2008/05/23

2008/05/23

2008/05/26

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.

912283005

SIZE

A3

SCALE

5:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

TITLE

SIM CONNECTOR ASSY

molex

MOLEX INCORPORATED

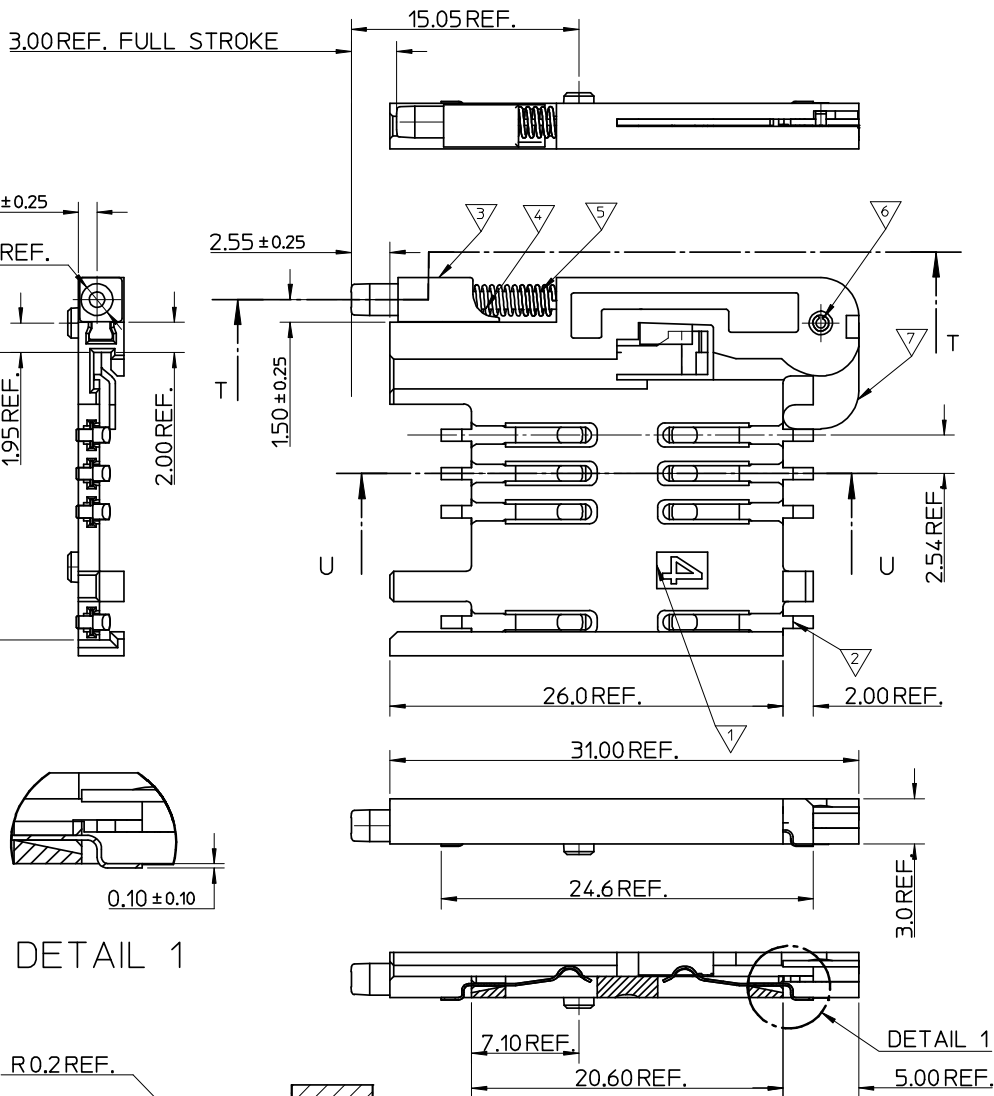
DOCUMENT NO.

SD-91228-001

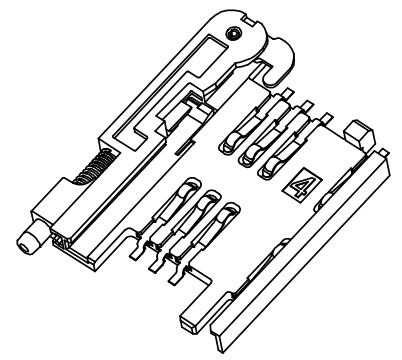
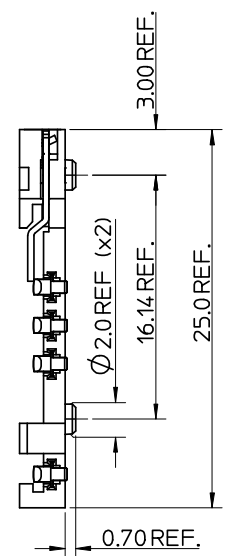
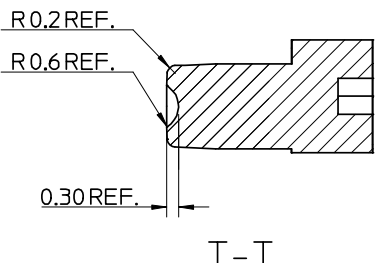
SHEET NO.

3 OF 6

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



DETAIL 1



- 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-O,COLOUR: BLACK
2	TERMINAL	8	0.15 PHOSPHOR BRONZE. 0.14m MIN Au OVER Pd/Ni IN CONTACT AREA 2.54m MIN Sn ON SMT TAILS
3	PUSH BUTTON	1	GF NYLON 46, 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: E2008-0567
DRWN:FDUGGAN
CHKD:
APPR:EFOLAN

2008/05/23
2008/05/23
2008/05/26

DESCRIPTION
REV

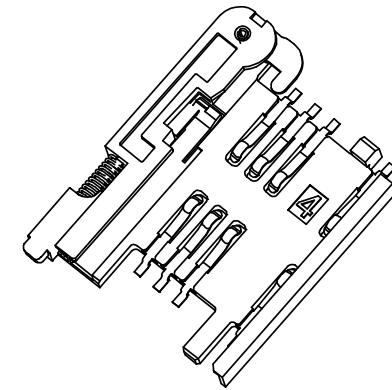
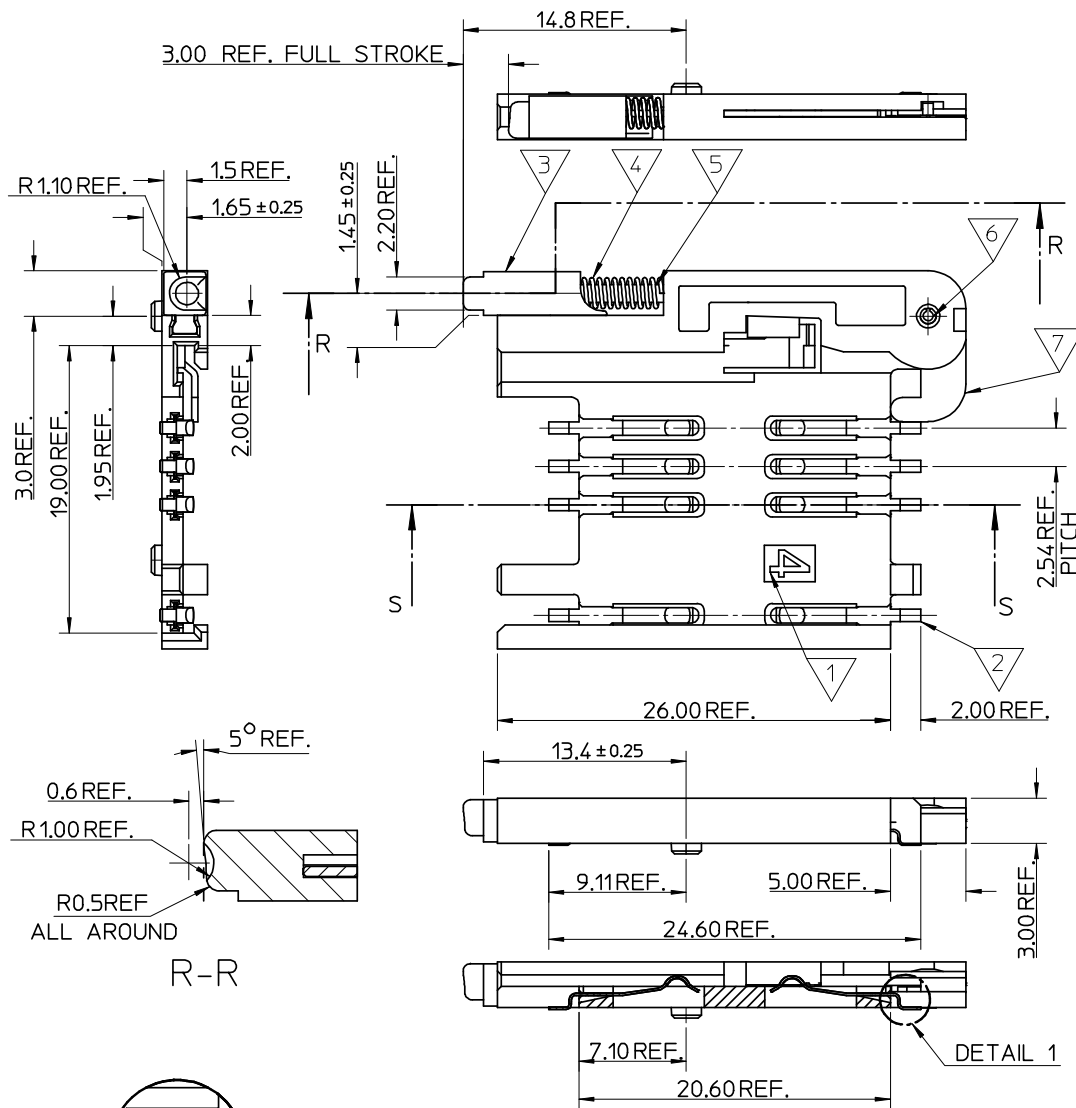
QUALITY SYMBOLS
▽=0
C=0

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
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

DIMENSION STYLE
MM ONLY
SCALE
5:1
DESIGN UNITS
METRIC
THIRD ANGLE PROJECTION
TITLE
SIM CONNECTOR ASSY
DOCUMENT NO.
SD-91228-001
SHEET NO.
4 OF 6

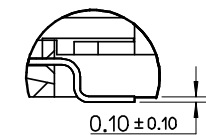
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



NOTES:

1. SEE PRODUCT SPECIFICATION PS-99020-0071.
2. PACKAGING: TAPE & REEL, FOR DETAIL SEE SDA-91228-9001, SHEET 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 NYLON 46, 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

SEE SHEET 1
EC NO: E2008-0567
DRWN: FDUGGAN
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	DATE
RFORREY	2006/11/27
CHECKED BY	DATE
FDUGGAN	2006/11/27
APPROVED BY	DATE
EFOLAN	2006/11/27

MATERIAL NO.

912283007

SIZE
A3

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

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

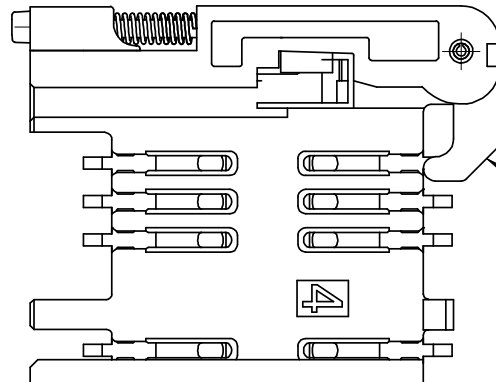
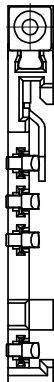
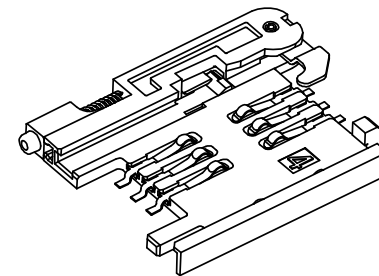
E

D

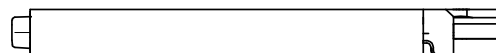
C

B

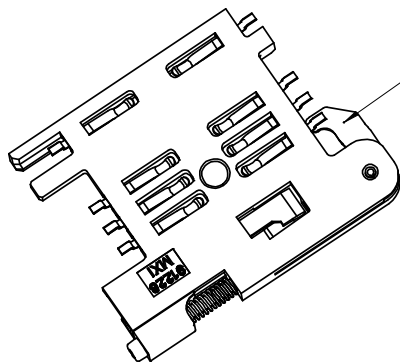
A



NOTE 4



NOTE 6
BLACK COLOUR
THIS FACE



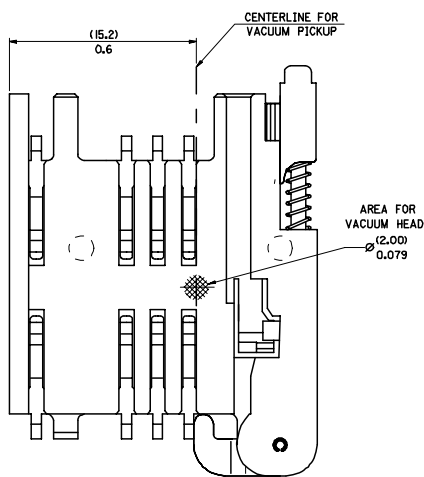
NOTES:

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: $5.0 \pm 0.3\text{mm}$
6. LEVER FACE TO BE COLOURED BLACK WITH ALCOHOL BASED INK.

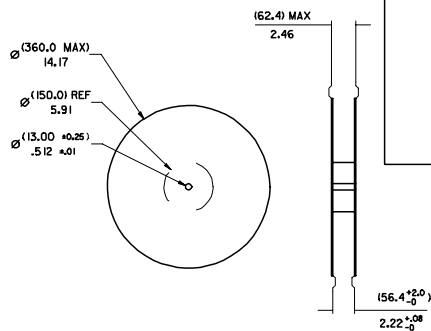
ADDED NOTE 6 EC NO: E2008-0567 DRWN:FDUGGAN CHKD: APPR:EFOLAN REV	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION 2008/05/23 2008/05/23 2008/05/26	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY RFORREY	DATE 2006/11/27	TITLE SIM CONNECTOR ASSY					
			4 PLACES	± ---	± ---	CHECKED BY FDUGGAN	DATE 2006/11/27						
			3 PLACES	± ---	± ---	APPROVED BY EFOLAN		DATE 2006/11/27		MOLEX INCORPORATED			
			2 PLACES	± 0.05	± ---								
			1 PLACE	± 0.1	± ---	MATERIAL NO. 912283016		DOCUMENT NO. SD-91228-001				SHEET NO. 6 OF 6	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			ANGULAR ± 2 °		SIZE A3		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



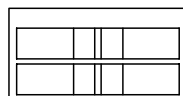
REEL DIMENSIONS

NOT TO SCALE

(400) PIECES ON A REEL

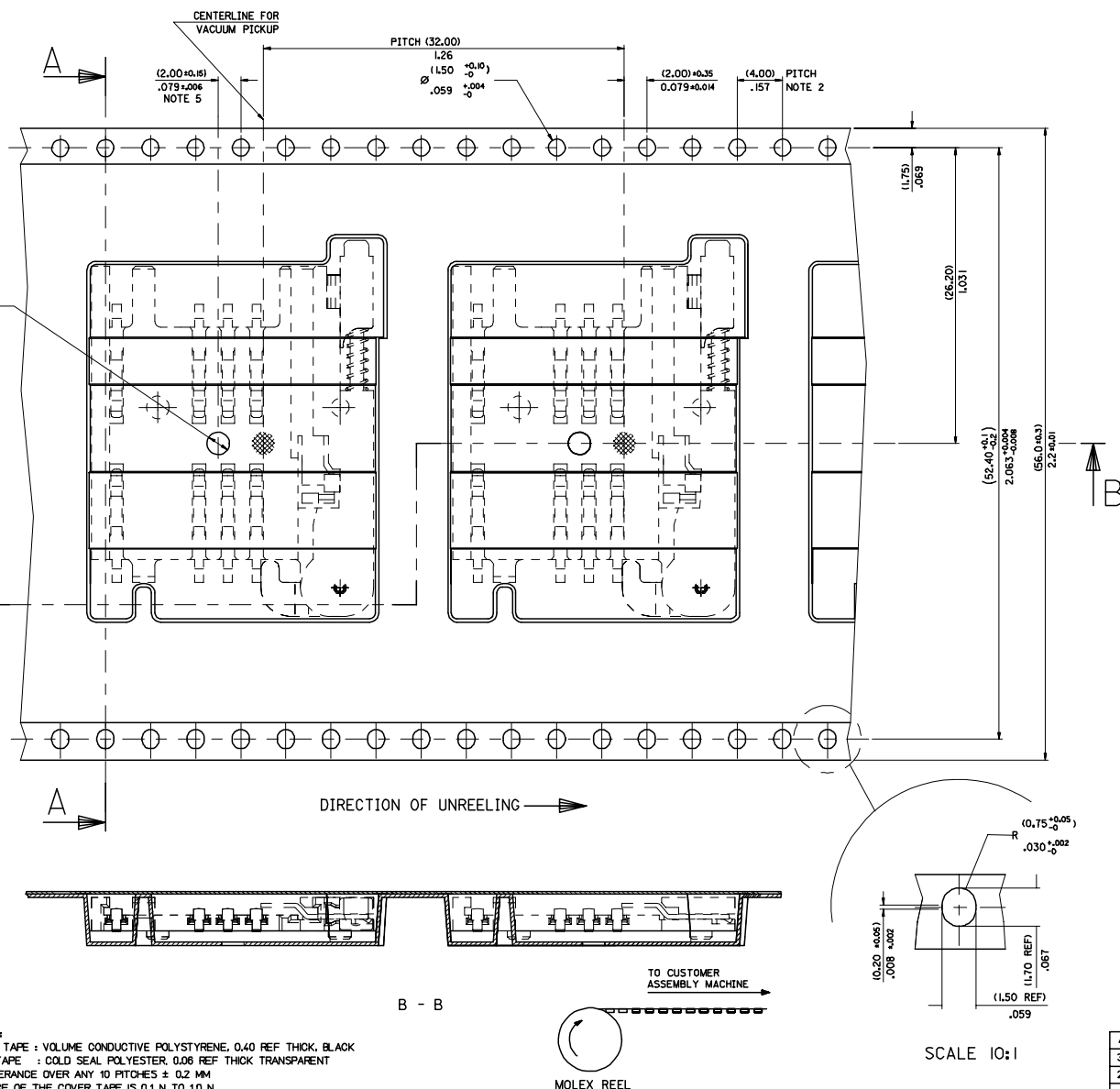
(2) REELS / CARDBOARD BOX

(800) PIECES / CARDBOARD BOX - SUBJECT TO CHANGE



NOTES:

- MATERIAL :
CARRIER TAPE : VOLUME CONDUCTIVE POLYSTYRENE, 0.40 REF THICK, BLACK
COVER TAPE : COLD SEAL POLYESTER, 0.06 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 $\pm 10\%$
- PACKAGING SPEC, PK-91228-002
- REFERENCE TO IEC 286-3 EXCEPT WHERE NOTED



DIRECTION OF UNREELING

B - B

MOLEX REEL

TO CUSTOMER
ASSEMBLY MACHINE

SCALE 10:1

ADDED NEW P/N'S		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
ECN NO.	DATE	DESCRIPTION	DATE	MM	INCH	MM/IN	DATE	---	---	METRIC	---	---	---
ECN NO. E2007-0648	2007/02/19	THIRD ANGLE PROJECTION	2007/02/19	4 PLACES \pm	\pm	---	2006/12/07	---	---	---	---	---	---
THIRD ANGLE PROJECTION	2007/02/19	THIRD ANGLE PROJECTION	2007/02/19	3 PLACES \pm	\pm	---	2006/12/07	---	---	---	---	---	---
THIRD ANGLE PROJECTION	2007/02/19	THIRD ANGLE PROJECTION	2007/02/19	2 PLACES \pm	\pm	---	2006/12/07	---	---	---	---	---	---
THIRD ANGLE PROJECTION	2007/02/19	THIRD ANGLE PROJECTION	2007/02/19	1 PLACE \pm	\pm	---	2006/12/07	---	---	---	---	---	---
THIRD ANGLE PROJECTION	2007/02/19	THIRD ANGLE PROJECTION	2007/02/19	ANGULAR $\pm 2^\circ$		---		---		---		---	
THIRD ANGLE PROJECTION	2007/02/19	THIRD ANGLE PROJECTION	2007/02/19	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		---		---		---		---	
THIRD ANGLE PROJECTION	2007/02/19	THIRD ANGLE PROJECTION	2007/02/19	SIZE A1		---		---		---		---	
THIRD ANGLE PROJECTION	2007/02/19	THIRD ANGLE PROJECTION	2007/02/19	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		---		---		---		---	

BLISTER PACKAGING
SIM CARD PCB HOUSING

MOLEX INCORPORATED

DOCUMENT NO. SDA-91228-9001

SHEET NO. 1 OF 4