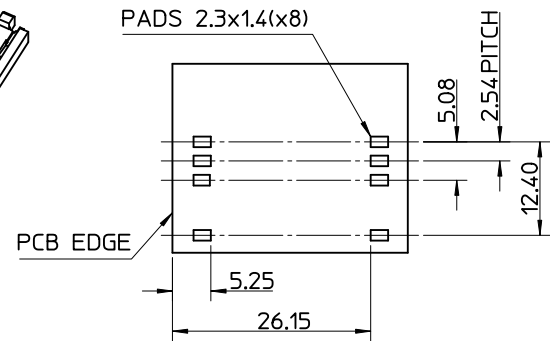
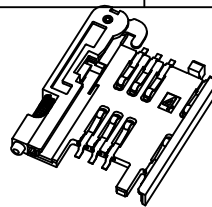
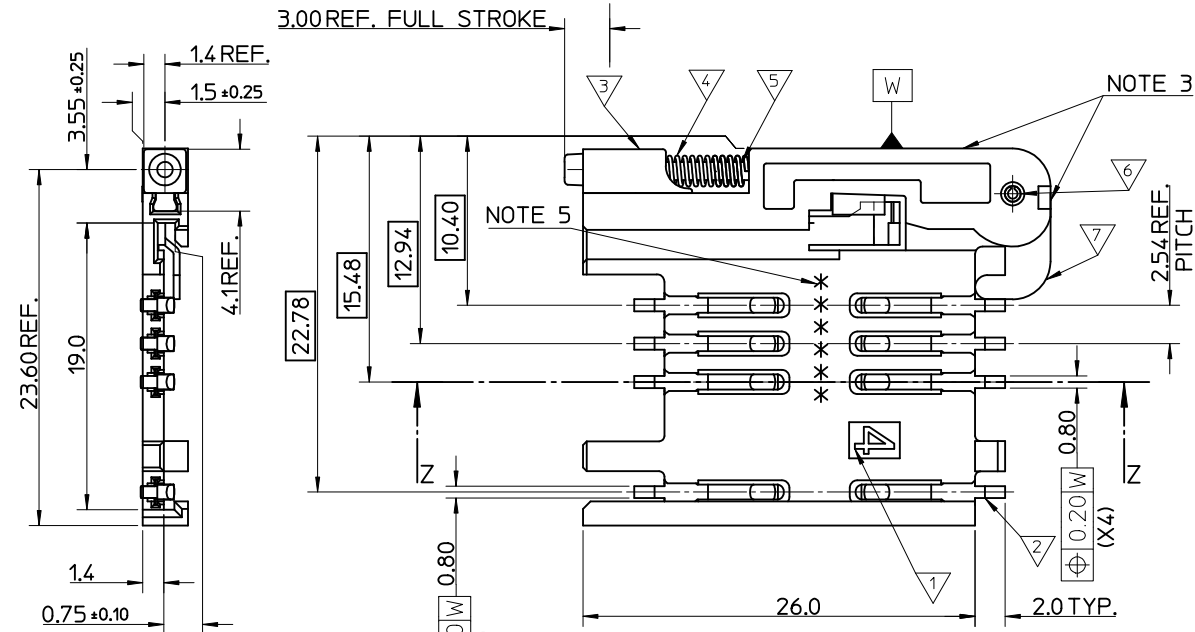
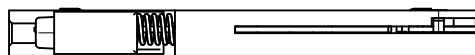


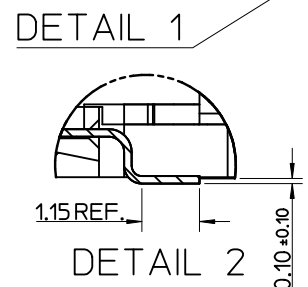
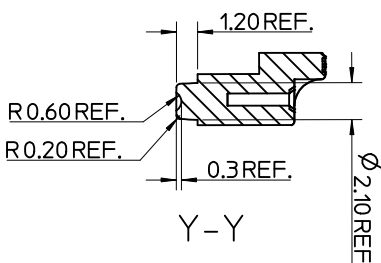
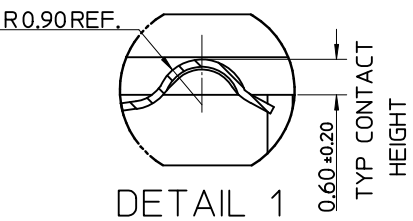
MATERIAL NUMBER	DESCRIPTION
912283001	REELED ONTO CARDBOARD REEL
912283019	REELED ONTO PLASTIC REEL



RECOMMENDED PCB LAYOUT
(COMPONENT SIDE)

- NOTES:
- SEE PRODUCT SPECIFICATION PS-99020-0071.
 - PACKAGING: TAPE & REEL, FOR DETAIL SEE SDA-91228-9001, SHEET 1
 - PUSH ROD/LEVER MUST NOT PROTRUDE BEYOND HOUSING EDGE IN THIS AREA.
 - TAILS ON EACH SIDE OF CONNECTOR TO LIE WITHIN 0.12 mm OF EACH OTHER
 - 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, 0.14mm MIN Au OVER Pd/Ni IN CONTACT AREA 2.54mm 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



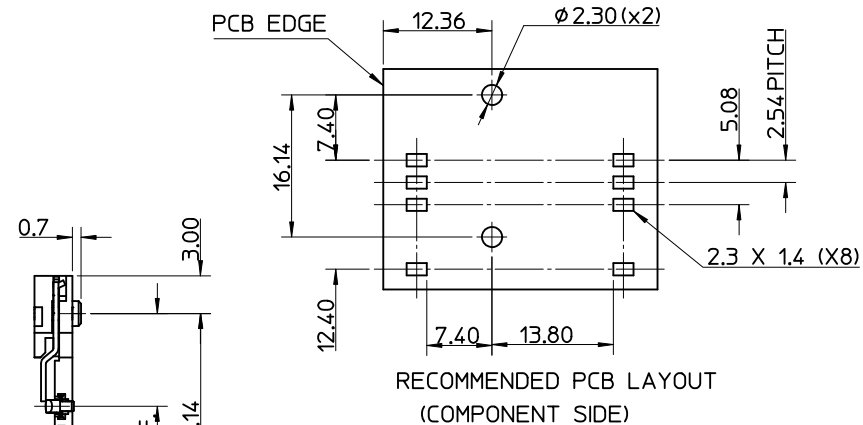
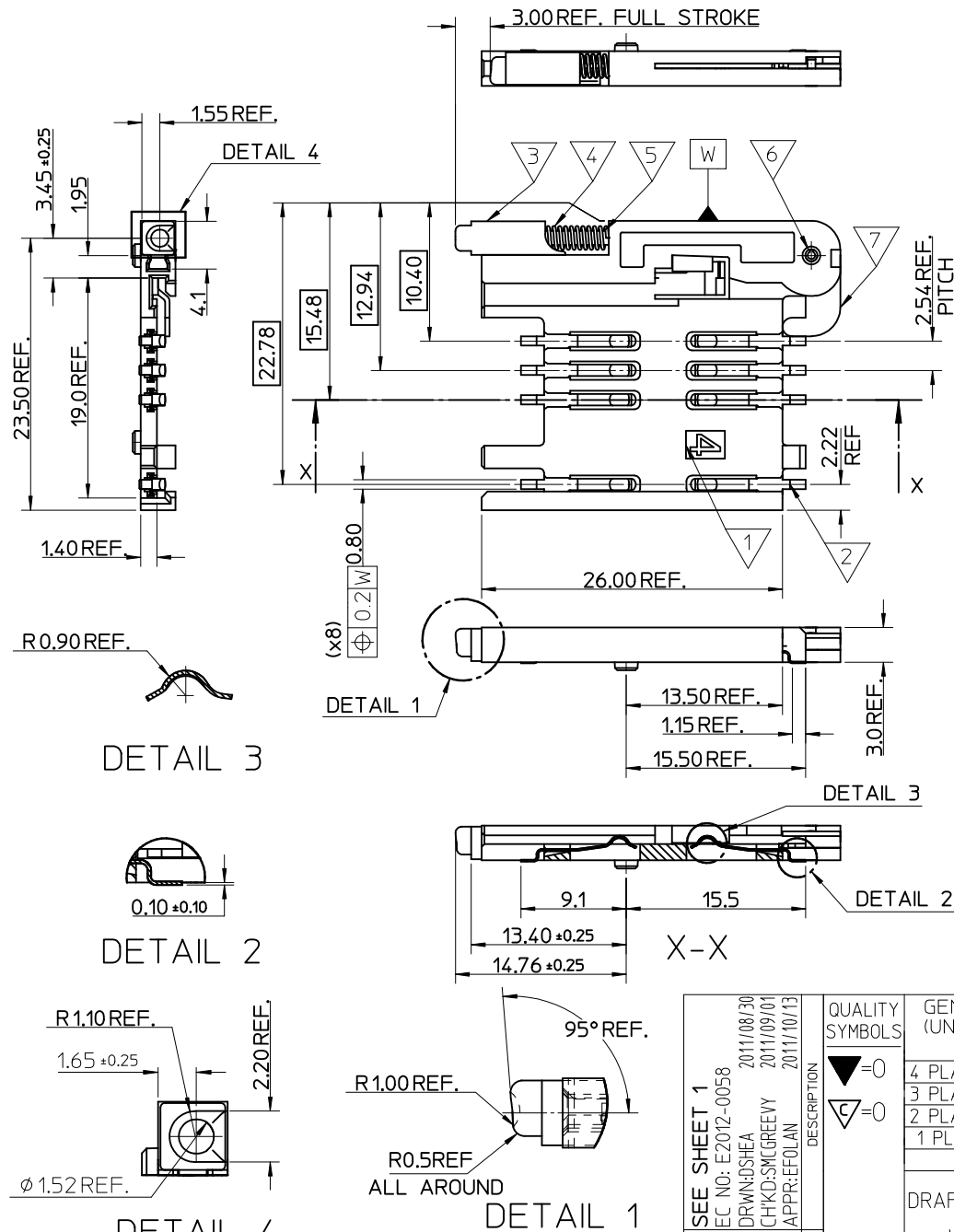
ADDED REEL OPTION
EC NO: E2012-0058
DRWN:DSHEA 2011/08/30
CHKD:SMCGREEVY 2011/09/01
APPR:EFOLAN 2011/10/13

QUALITY SYMBOLS
▽=0
C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm
4 PLACES	± 0.1
3 PLACES	± 0.05
2 PLACES	± 0.02
1 PLACE	± 0.01
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.	
SEE TABLE	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
5:1	METRIC	
TITLE		
SIM CONNECTOR ASSY		
MOLEX INCORPORATED		
DOCUMENT NO.	SHEET NO.	
SD-91228-001	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. 0.14µm MIN Au OVER Pd/Ni IN CONTACT AREA 2.54µm 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: E2012-0058
2011/08/30
DRWN:DSHEA
CHKD:SMGREVY
2011/09/01
APPR:EFOLAN
2011/10/13

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

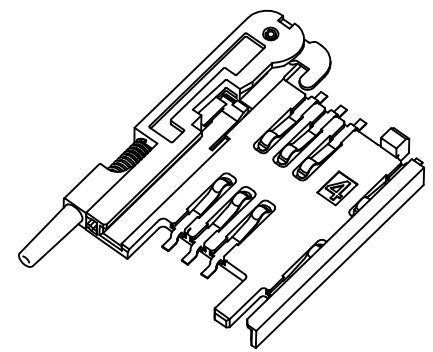
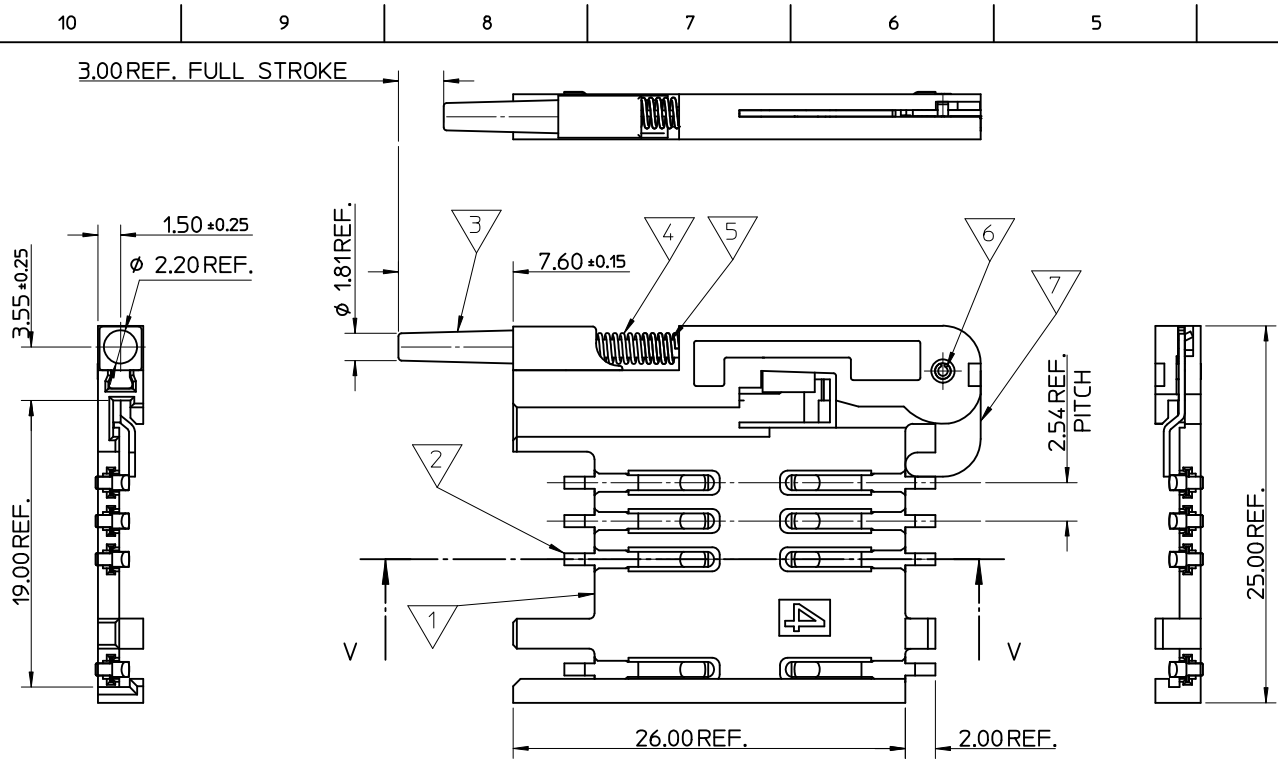
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

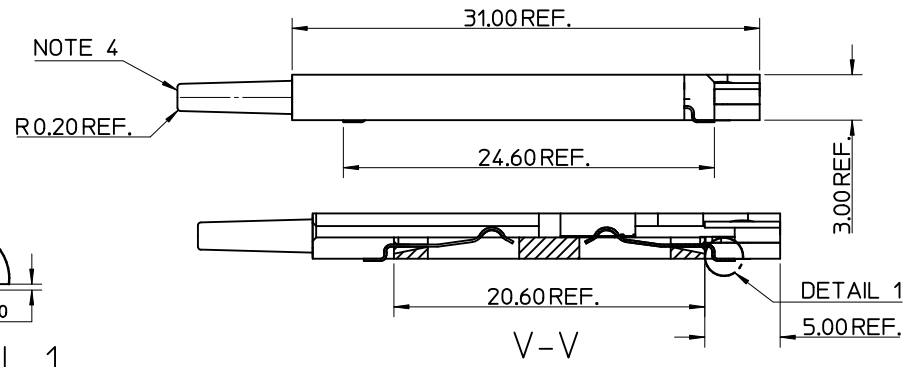
DRAWN BY	DATE
RFORREY	2006/11/27
CHECKED BY	DATE
FDUGGAN	2006/11/27
APPROVED BY	DATE
EFOLAN	2006/11/27
MATERIAL NO. 912283002	

SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
TITLE SIM CONNECTOR ASSY		
molex MOLEX INCORPORATED		SHEET NO. 2 OF 6
DOCUMENT NO. SD-91228-001		

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

SEE SHEET 1

EC NO: E2012-0058

DRW:DSHEA

CHKD:SYG/REEVY

APPR:EFOLAN

2011/08/30

2011/09/01

2011/10/13

QUALITY SYMBOLS

▽=0

▽=0

DESCRIPTION

REV

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

CHECKED BY

DATE

APPROVED BY

DATE

MATERIAL NO.

912283005

SIZE

A3

SCALE

5:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

TITLE

SIM CONNECTOR ASSY

DOCUMENT NO.

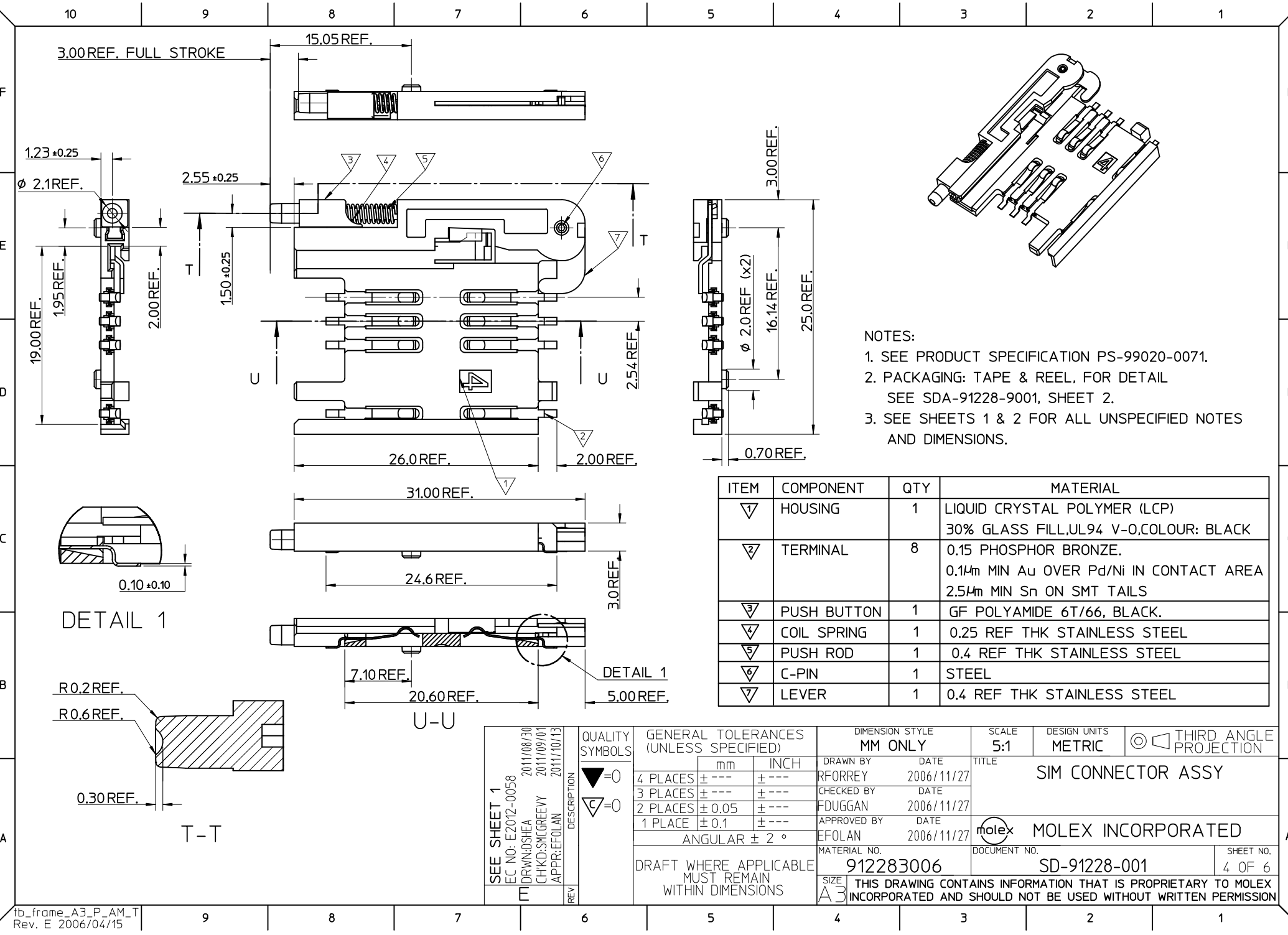
SD-91228-001

SHEET NO.

3 OF 6

MOLEX INCORPORATED

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

SEE SHEET 1
EC NO: E2012-0058
DRAWN: DSHEA 2011/08/30
CHKD: SMCREEVY 2011/09/01
APPR: EFOLAN 2011/10/13

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 RFORREY
DATE 2006/11/27
CHECKED BY
DATE
FUGGAN 2006/11/27
APPROVED BY
DATE
EFOLAN 2006/11/27
MATERIAL NO.
912283006

DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

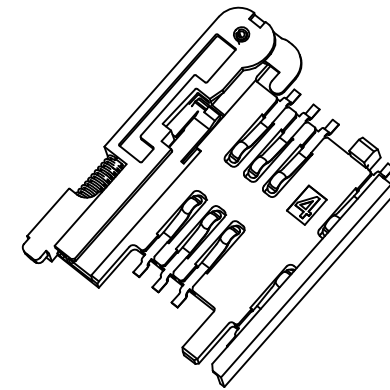
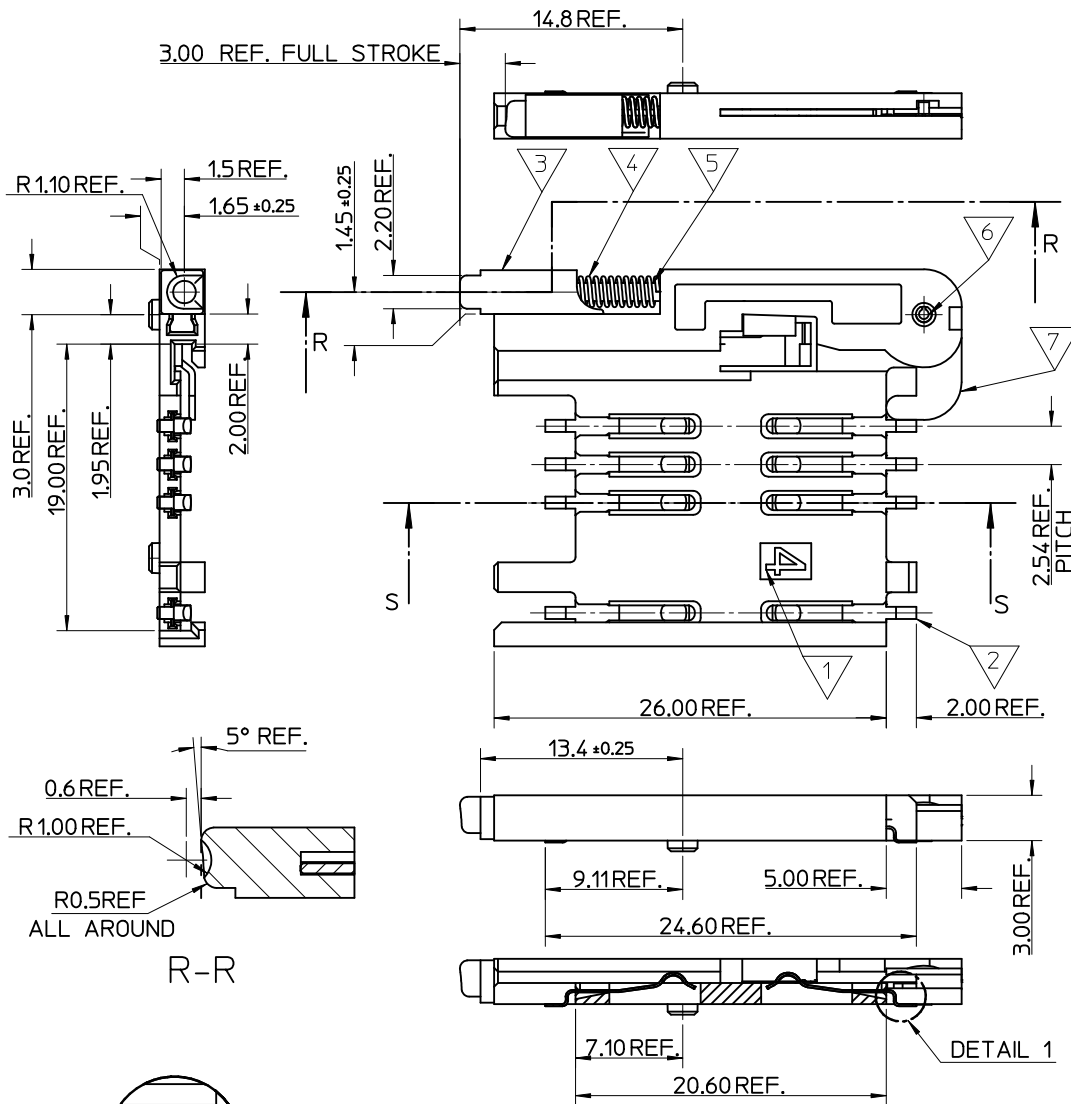
DIMENSION STYLE
MM ONLY
DRAWN BY RFORREY
DATE 2006/11/27
CHECKED BY
DATE
FUGGAN 2006/11/27
APPROVED BY
DATE
EFOLAN 2006/11/27
MATERIAL NO.
912283006

SCALE
5:1
TITLE
SIM CONNECTOR ASSY

DESIGN UNITS
METRIC
THIRD ANGLE PROJECTION

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-O, 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

S-S

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

MOLEX INCORPORATED

DOCUMENT NO.

SD-91228-001

SHEET NO.
5 OF 6

SEE SHEET 1	DESCRIPTION
EC NO: E2012-0058	2011/08/30
DRW:DSHEA	2011/09/01
CHKD:SMCGREVV	2011/10/13
APPR:EFOLAN	
REV	

DETAIL 1

10 9 8 7 6 5 4 3 2 1

F

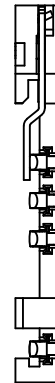
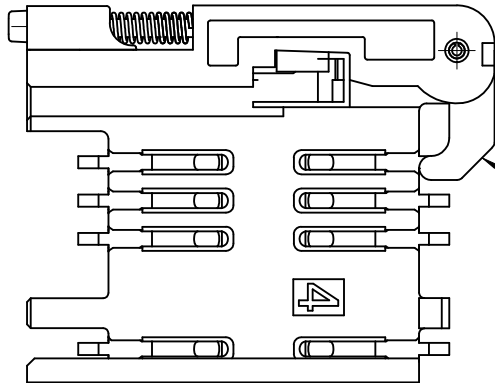
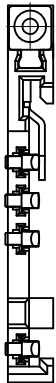
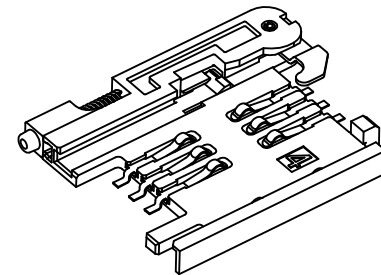
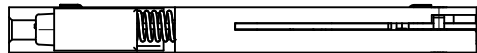
E

D

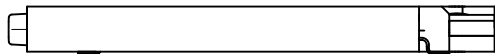
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B

A



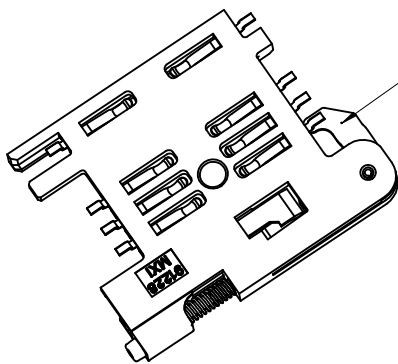
NOTE 4



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

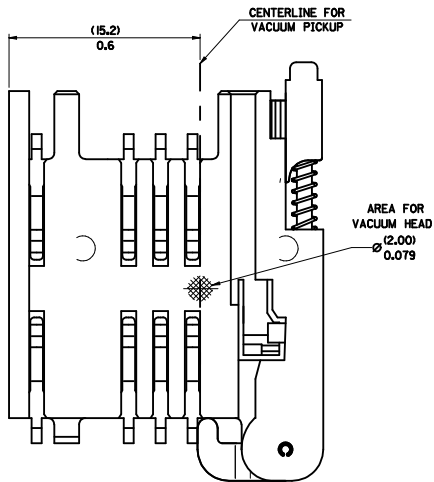


SEE SHEET 1 EC NO: E2012-0058 DRWNG:DSHEA 2011/08/30 CHKD:SMCGREY 2011/09/01 APPR:EFOLAN 2011/10/13	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION					
					DRAWN BY RFORREY	DATE 2006/11/27	TITLE SIM CONNECTOR ASSY							
					CHECKED BY FDUGGAN	DATE 2006/11/27								
					APPROVED BY EFOLAN	DATE 2006/11/27								
										 MOLEX INCORPORATED				
					ANGULAR ± 2 °		DOCUMENT NO.			SHEET NO.				
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		912283016			SD-91228-001		6 OF 6		
							SIZE A3			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
							MATERIAL NO.							

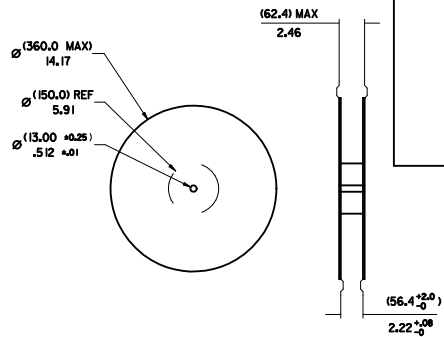
9 8 7 6 5 4 3 2 1

PART NO	DESCRIPTION	TYPE OF REEL
91228-0001 & 91228-3001	SIM CONNECTOR WITHOUT PEGS	CARDBOARD
91228-0002 & 91228-3002	SIM CONNECTOR WITH PEGS	CARDBOARD
91228-0012 & 91228-3012	SIM CONNECTOR WITH PEGS	CARDBOARD
91228-0007 & 91228-3007	SIM CONNECTOR WITH PEGS	CARDBOARD
91228-3019	SIM CONNECTOR WITHOUT PEGS	PLASTIC

COMPONENT PICK UP DETAIL

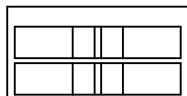


REFERENCE ONLY



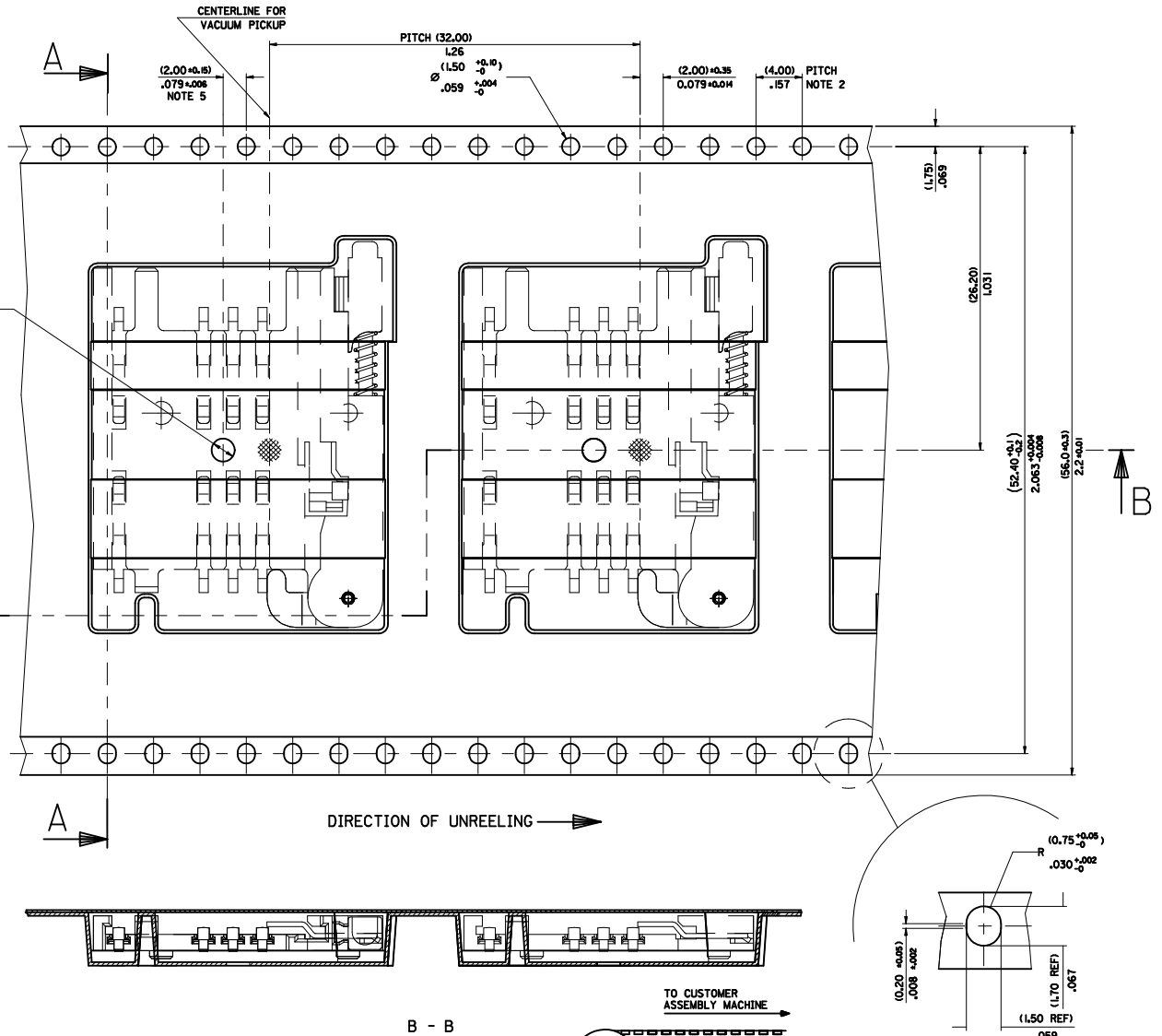
REEL DIMENSIONS NOT TO SCALE

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

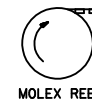


NOTES:

- 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) REEL FORCE OF THE COVER TAPE IS 0.1 N TO 1.0 N
AT A MAXIMUM REEL SPEED OF 300 MM/MIN $\pm 10\%$
- 4) PACKAGING SPEC, PK-91228-002
- 5) REFERENCE TO IEC 286-3 EXCEPT WHERE NOTED



B - B



TO CUSTOMER
ASSEMBLY MACHINE

SCALE 10:1

ADD REEL OPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
LEC NO: E2012-0058		2011/08/31		mm		MM/IN		1:1		METRIC		R	
DRAWN BY: DRWNSHSEA		2011/09/01		4 PLACES $\pm$ ---		DRAWN BY: DMAHER		DATE: 2006/12/07		TITLE: BLISTER PACKAGING		SHEET NO. 1 OF 4	
CHECKED BY: CHKD:SKGREV		2011/10/13		3 PLACES $\pm$ ---		CHECKED BY: FDUGGAN		DATE: 2006/12/07		MATERIAL NO. SDA-91228-9001		MATERIAL NO. SDA-91228-9001	
APPROVED BY: APPR:EFOLAN		2011/10/13		2 PLACES ± 0.10		APPROVED BY: EFOLAN		DATE: 2006/12/07		MATERIAL NO. SDA-91228-9001		MATERIAL NO. SDA-91228-9001	
				1 PLACE ± 0.20									
				ANGULAR $\pm 2^\circ$									
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									

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[Molex:](#)

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