

7 (1.50MAX)
(WITH MAXIMUM CARD)

1.32

1.00 ±0.06

0.15 ±0.05

B

(10.08)

0.40 (6X)

2.54 (2X)

C7

C6

C5

Z

MOLEX LOGO:
MCD

DATE CODE

YYWW S

C3

C2

C1

0.87

14.81 ±0.20

14.90

7.06

Z

0.60

1.00

10.08 ±0.05

11.08

11.28

9.78 ±0.08

D

0.70

CUTAWAY1

14.05

14.90

7.75 ±0.20

DETAIL1

0.55 ±0.08

(0.39 ±0.06)

SECTION Z-Z

FULLY-DEFLECTED
TERMINAL

(0.02)

DETAIL1

10.08 ±0.05

11.08

11.28

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9.78 ±0.08

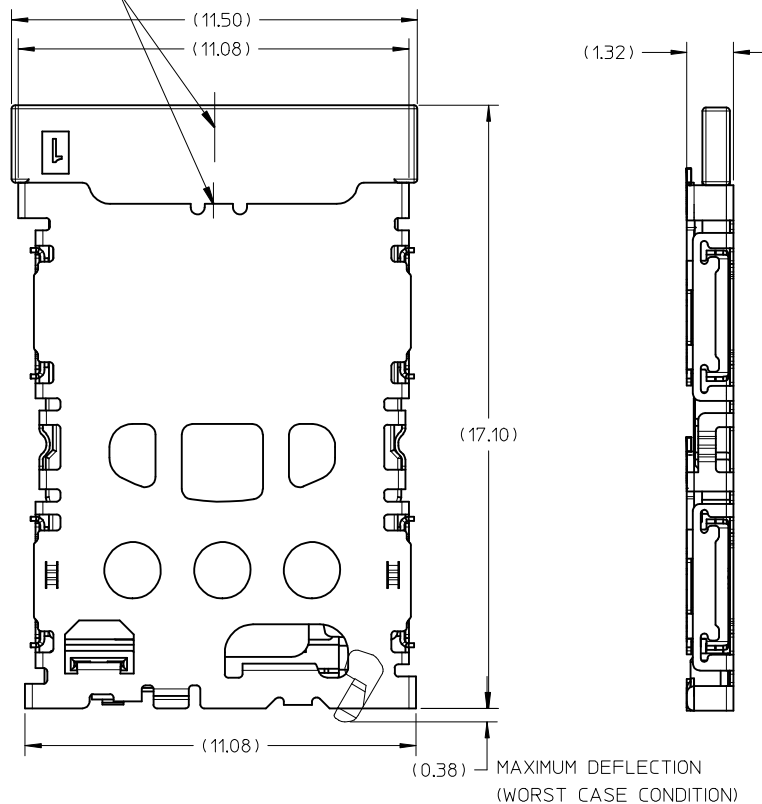
10.08 ±0.05

11.08

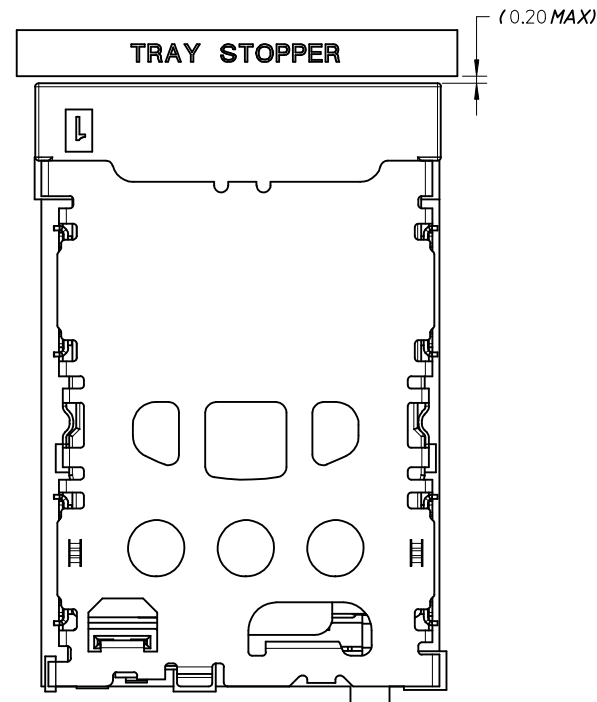
11.28

9.78 ±0.08

CENTRELINES OF TRAY AND CONNECTOR OPENING ARE THE SAME



CONNECTOR WITH TRAY



SYSTEM LEVEL

CARD INSERTION STATE	DETECT SWITCH CIRCUIT STATE	SCHEMATIC
CARD MATED	OPENED	
CARD UNMATED	CLOSED	

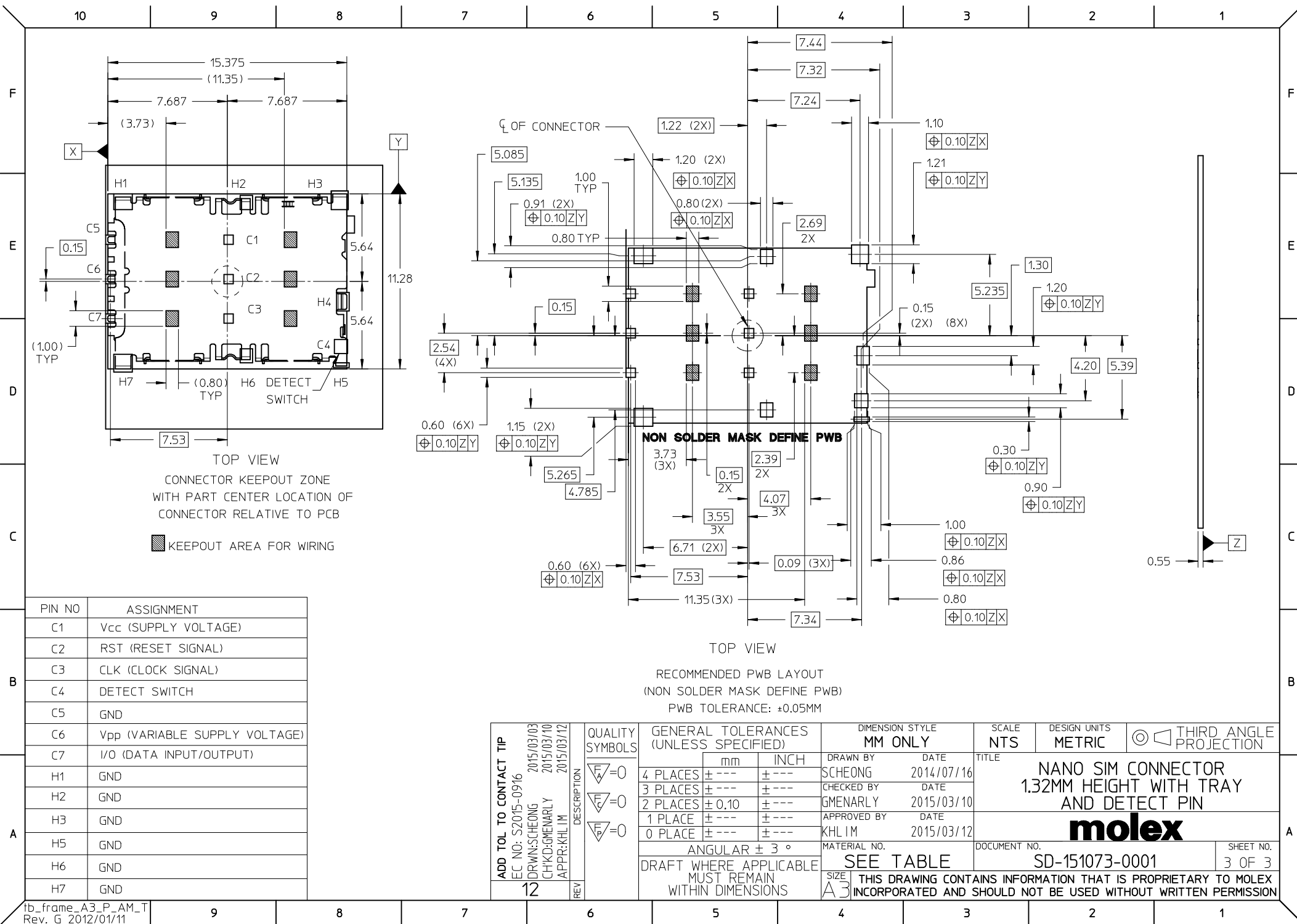
ADD TOL TO CONTACT TIP	EC NO: S2015-0916	2015/03/03	2015/03/12
DRWNS:SCHEONG	2015/03/10	2015/03/10	2015/03/12
CHKD:GMENARLY	2015/03/10	2015/03/10	2015/03/12
APPR:KHL IM	2015/03/12	2015/03/12	2015/03/12

QUALITY SYMBOLS	DESCRIPTION
$F_A=0$	
$F_G=0$	
$F_P=0$	

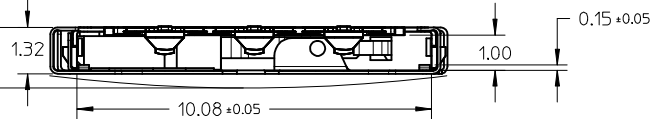
GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
4 PLACES	$\pm$ ---	$\pm$ ---
3 PLACES	$\pm$ ---	$\pm$ ---
2 PLACES	± 0.10	$\pm$ ---
1 PLACE	$\pm$ ---	$\pm$ ---
0 PLACE	$\pm$ ---	$\pm$ ---
ANGULAR $\pm 3^\circ$		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM ONLY	NTS	METRIC	
DRAWN BY	DATE	TITLE	
SCHEONG	2014/07/16		
CHECKED BY	DATE		
GMENARLY	2015/03/10		
APPROVED BY	DATE		
KHL IM	2015/03/12		
MATERIAL NO.			
SEE TABLE			

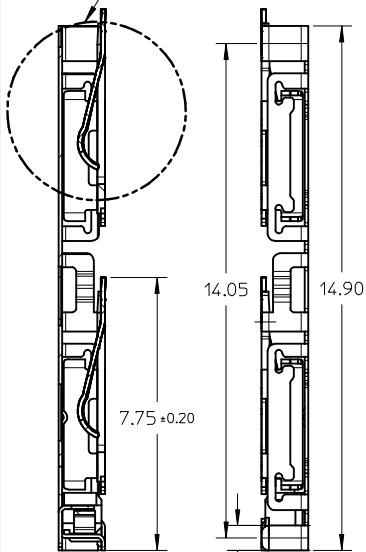
DESCRIPTION	PART NUMBER
CONNECTOR	151073-1000
NANO SIM CARD TRAY	151073-0011
NANO SIM CONNECTOR 1.32MM HEIGHT WITH TRAY AND DETECT PIN	
molex	
DOCUMENT NO.	SHEET NO.
SD-151073-0001	2 OF 3



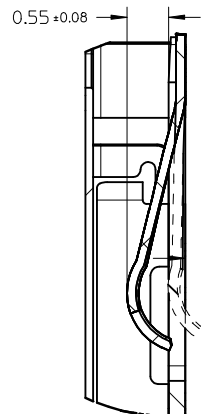
7 (1.50 MAX)
(WITH MAXIMUM CARD)



DETAIL1

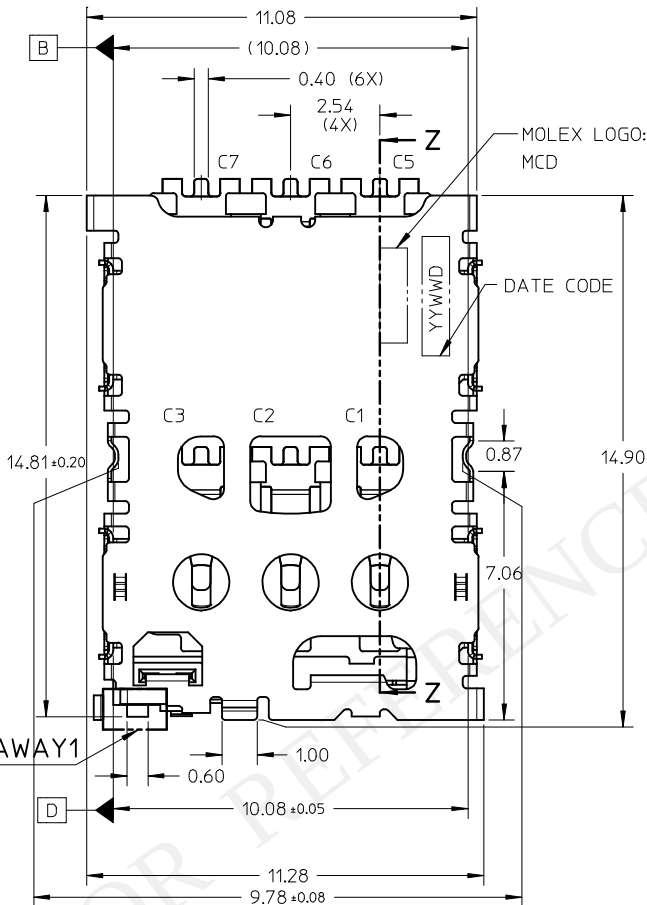


SECTION Z-Z



DETAIL1

CUTAWAY1



MOLEX LOGO:
MCD

DATE CODE

YYWW

C3

C2

C1

Z

Z

Z

Z

Z

Z

Z

Z

Z

Z

Z

Z

NOTES:

1. MATERIALS:

1.1 CONNECTOR:-

INSERT MOLD HOUSING: LCP, GLASS FILLED, UL94V-0,
COLOUR BLACK.

TERMINAL: TITANIUM COPPER, THICKNESS: 0.12MM

DETECT PIN: TITANIUM COPPER, THICKNESS: 0.12MM

SHELL: STAINLESS STEEL, THICKNESS: 0.10MM

2. PLATING FINISHES:

2.1 TERMINAL:-

CONTACT: 0.38um MIN. GOLD ON CONTACT AREA OVER 2.00um MIN.
NICKEL UNDERPLATE.

SOLDERTAIL: 0.025um MIN. GOLD FLASH OVER 2.00um MIN. NICKEL
UNDERPLATE.

2.2 SHELL:-

CONTACT: 0.05um MIN. GOLD ON CONTACT AREA OVER 2.00um MIN.
NICKEL UNDERPLATE.

SOLDERTAIL: 0.025um MIN. GOLD FLASH OVER 2.00um MIN. NICKEL
UNDERPLATE.

2.3 DETECT PIN:-

CONTACT: 0.127um MIN. GOLD ON CONTACT AREA OVER 2.00um MIN.
NICKEL UNDERPLATE.

SOLDERTAIL: 1.27um MIN. MATTE TIN OVER 2.00um MIN. NICKEL
UNDERPLATE.

3. PRODUCT SPECIFICATION: PS-151073-0001

4. PACKAGING SPECIFICATION: PK-151073-0001

5. OVERALL (SOLDERTAIL & SOLDERTAB) COPLANARITY 0.08MM MAX.
BEFORE REFLOW.

6. CONNECTOR TO BE USED TOGETHER WITH MOLEX NANO SIM CARD
TRAY ONLY.

7. DIMENSION INCLUSIVE OF BULGE

8. CUSTOMER STENCIL THICKNESS: 0.10 ~ 0.12mm
AND STENCIL OPENING: 1:1 MIN , 1:1.5 MAX

PRELIM. RELEASE	REV
EC NO: S2016-0054	1
DRWNS: SCHEONG	
CHKD:	
APPR: SCHEONG	
DATE: 2015/07/07	
DATE: 2015/07/14	

QUALITY SYMBOLS
$\nabla_F = 0$
$\nabla_F = 6$
$\nabla_F = 0$

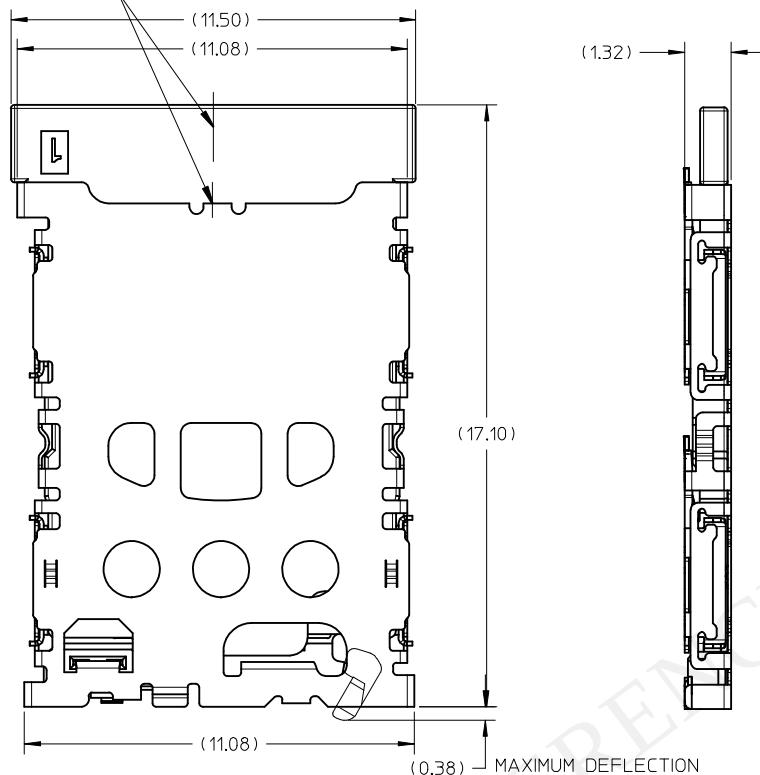
GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm
	INCH
4 PLACES	± ---
3 PLACES	± ---
2 PLACES	± 0.10
1 PLACE	± ---
0 PLACE	± ---
ANGULAR ± 3 °	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
SCHEONG	2015/07/07
CHECKED BY	DATE
APPROVED BY	DATE
SCHEONG	2015/07/14
MATERIAL NO.	
SEE TABLE	
SIZE	
A3	

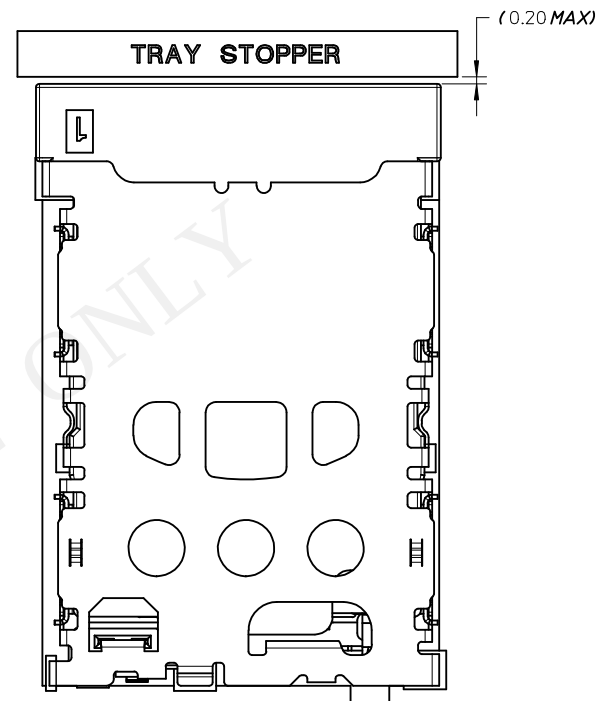
SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
NTS	METRIC		
TITLE			
NANO SIM CONNECTOR			
1.32MM HEIGHT WITH TRAY			
AND DETECT PIN			
molex			
DOCUMENT NO.			SHEET NO.
SD-151073-0010			1 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX			
SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

10 9 8 7 6 5 4 3 2 1

CENTRELINES OF TRAY AND CONNECTOR OPENING ARE THE SAME



CONNECTOR WITH TRAY



SYSTEM LEVEL

CARD INSERTION STATE	DETECT SWITCH CIRCUIT STATE	SCHEMATIC
CARD MATED	OPENED	
CARD UNMATED	CLOSED	

PRELIM. RELEASE	2015/07/14
EC NO: S2016-0054	2015/07/07
DRWNS: SCHEONG	2015/07/07
CHKD: SCHEONG	
APPR: SCHEONG	
REV	

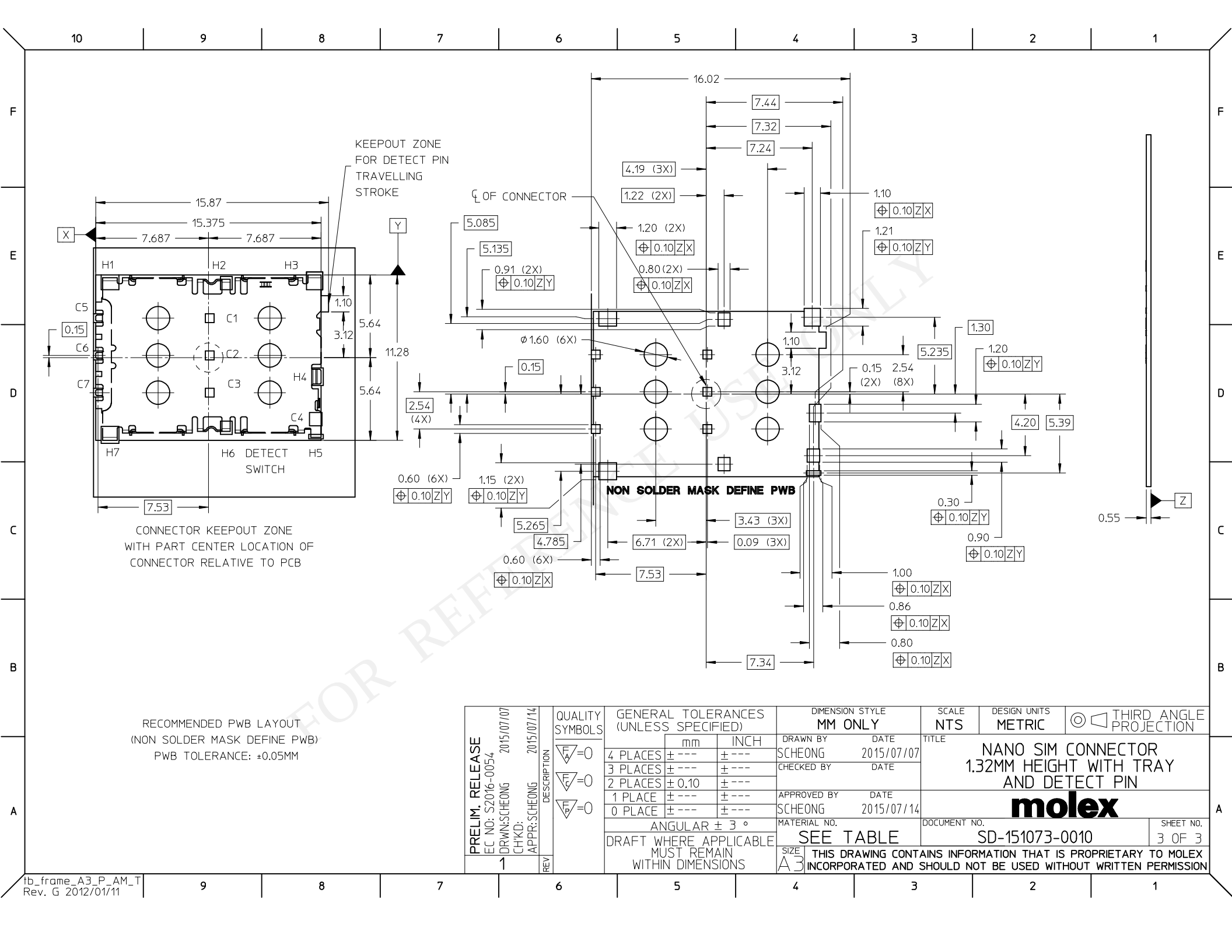
QUALITY SYMBOLS
$F_A = 0$
$F_B = 0$
$F_C = 0$

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	$\pm$ ---	$\pm$ ---
3 PLACES	$\pm$ ---	$\pm$ ---
2 PLACES	$\pm$ 0.10	$\pm$ ---
1 PLACE	$\pm$ ---	$\pm$ ---
0 PLACE	$\pm$ ---	$\pm$ ---
ANGULAR $\pm 3^\circ$		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
SCHEONG	2015/07/07
CHECKED BY	DATE
APPROVED BY	DATE
SCHEONG	2015/07/14
MATERIAL NO.	
SEE TABLE	
SIZE	
A3	

SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
TITLE NANO SIM CONNECTOR 1.32MM HEIGHT WITH TRAY AND DETECT PIN			
molex			
DOCUMENT NO. SD-151073-0010		SHEET NO. 2 OF 3	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

9 8 7 6 5 4 3 2 1



RECOMMENDED PWB LAYOUT
(NON SOLDER MASK DEFINE PWB)
PWB TOLERANCE: ±0.05MM

PRELIM. RELEASE EC NO: S2016-0054 DRWN:SCHEONG CHKD: APPR:SCHEONG	2015/07/07 2015/07/14	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
				F=0 F=0 F=0	mm	INCH	DRAWN BY SCHEONG	DATE 2015/07/07	TITLE NANO SIM CONNECTOR 1.32MM HEIGHT WITH TRAY AND DETECT PIN					
					4 PLACES	± ---	± ---	CHECKED BY						DATE
					3 PLACES	± ---	± ---	APPROVED BY						DATE
					2 PLACES	± 0.10	± ---	SCHEONG	2015/07/14	molex				
					1 PLACE	± ---	± ---	MATERIAL NO.	DOCUMENT NO.					
				0 PLACE	± ---	± ---	SEE TABLE		SD-151073-0010		3 OF 3			
				ANGULAR ± 3 °		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										