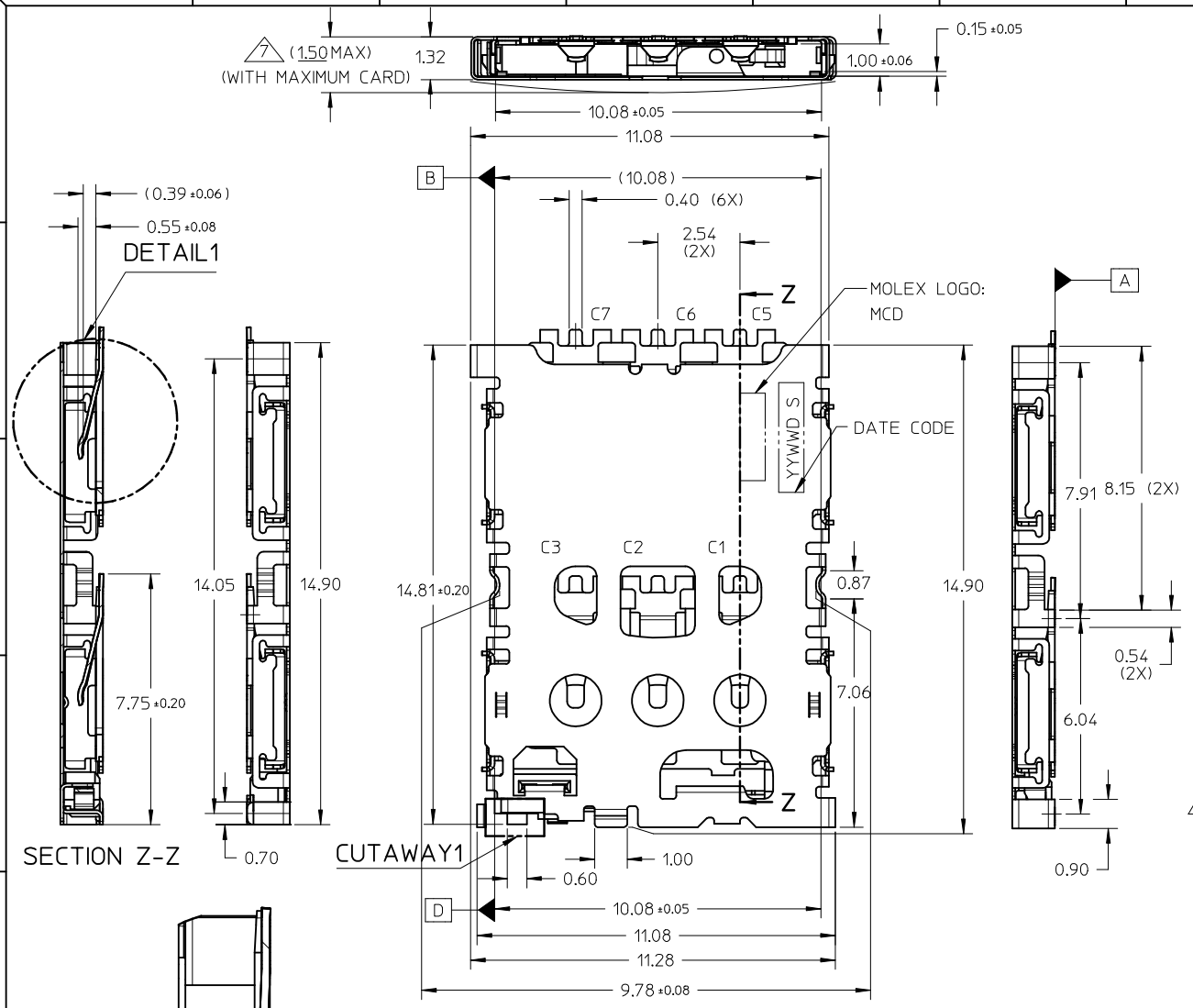


NOTES:

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

THIS DESIGN IS BASED ON DESIGN OBJECTIVES AND IS STRICTLY TENTATIVE. IT MAY CHANGE BASED ON RESULTS OF ADDITIONAL DESIGN REVIEWS & VERIFICATIONS.

ADD TOL TO CONTACT TIP	2015/03/03		
EC NO: S2015-0916	2015/03/10		
DRWN:SCHEONG	2015/03/12		
CH'KD:GMENARLY			
APPR:KHLIM			
12	DESCRIPTION	REV	

QUALITY SYMBOLS: $\boxed{F_A}=0$ $\boxed{F_C}=0$ $\boxed{F_B}=0$

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

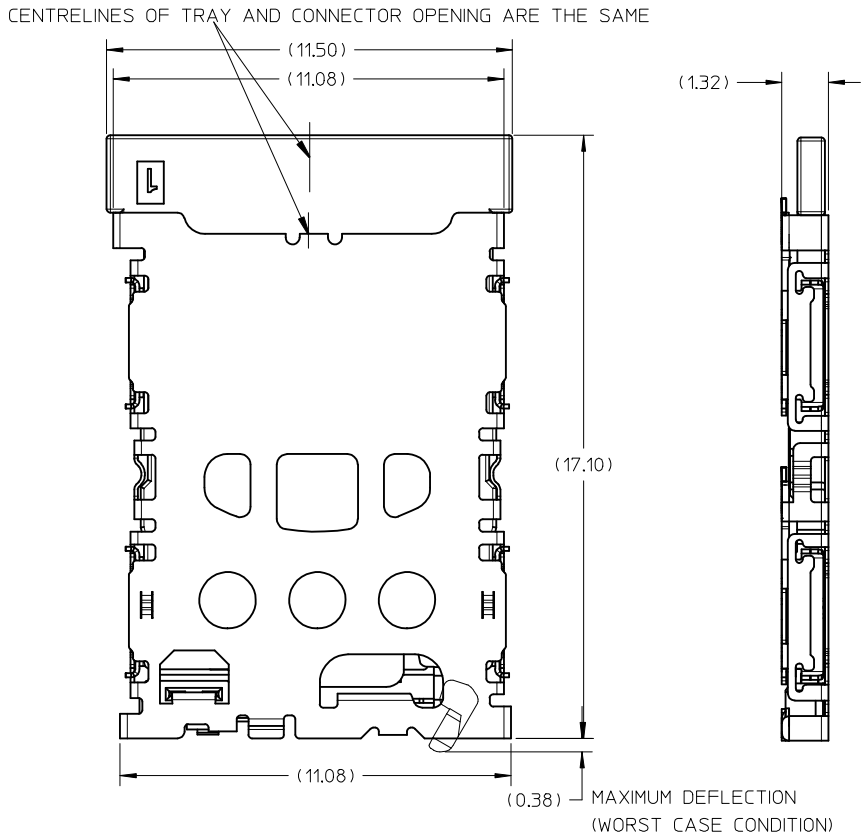
DIMENSION STYLE: MM ONLY	SCALE: NTS	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: SCHEONG	DATE: 2014/07/16		
CHECKED BY: GMENARLY	DATE: 2015/03/10		
APPROVED BY: KHLIM	DATE: 2015/03/12		
MATERIAL NO.: SEE TABLE			

TITLE: NANO SIM CONNECTOR 1.32MM HEIGHT WITH TRAY AND DETECT PIN

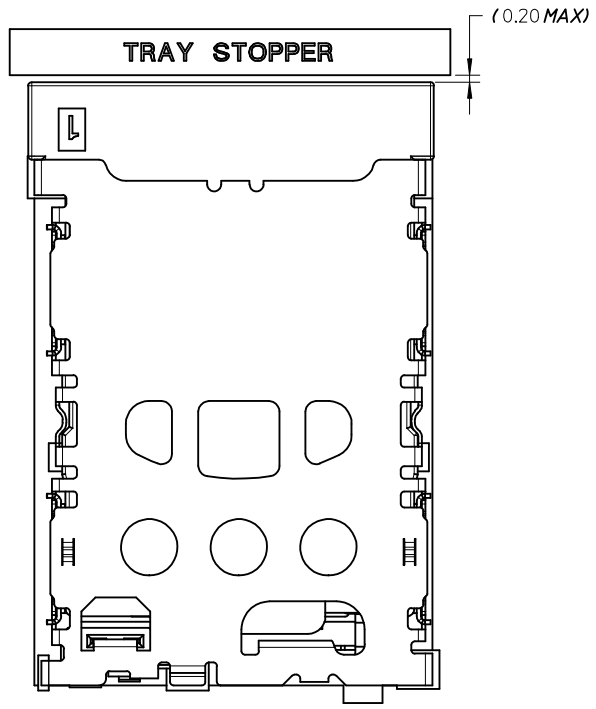
molex

DOCUMENT NO.: SD-151073-0001 | SHEET NO.: 1 OF 3

SIZE: A3



CONNECTOR WITH TRAY



SYSTEM LEVEL

DESCRIPTION	PART NUMBER
CONNECTOR	151073-1000
NANO SIM CARD TRAY	151073-0011

CARD INSERTION STATE	DETECT SWITCH CIRCUIT STATE	SCHEMATIC
CARD MATED	OPENED	D.S. — D.C.
CARD UNMATED	CLOSED	D.S. — D.C.

ADD TOL TO CONTACT TIP
EC NO: S2015-0916 2015/03/03
DRWN:SCHEONG 2015/03/10
CH'KD:GMENARLY 2015/03/12
APPR:KHLIM
DESCRIPTION
REV
12

QUALITY SYMBOLS
F_A=0
F_C=0
F_P=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

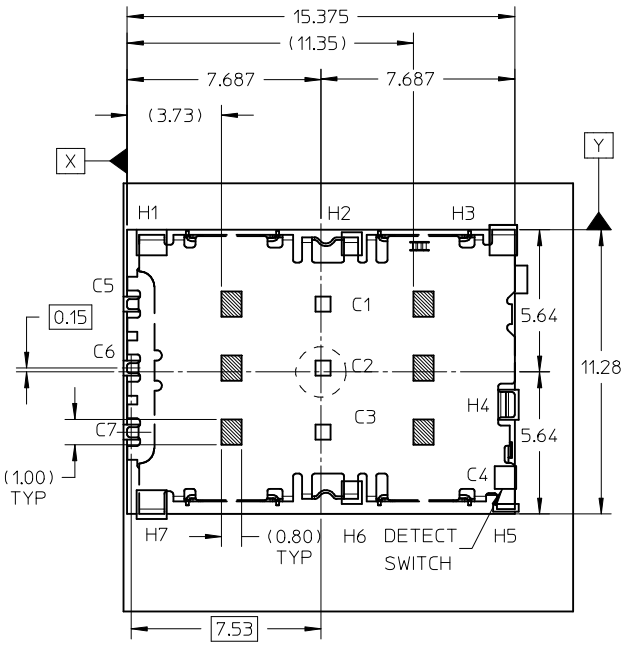
DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: SCHEONG DATE: 2014/07/16
CHECKED BY: GMENARLY DATE: 2015/03/10
APPROVED BY: KHLIM DATE: 2015/03/12

TITLE: NANO SIM CONNECTOR 1.32MM HEIGHT WITH TRAY AND DETECT PIN

molex

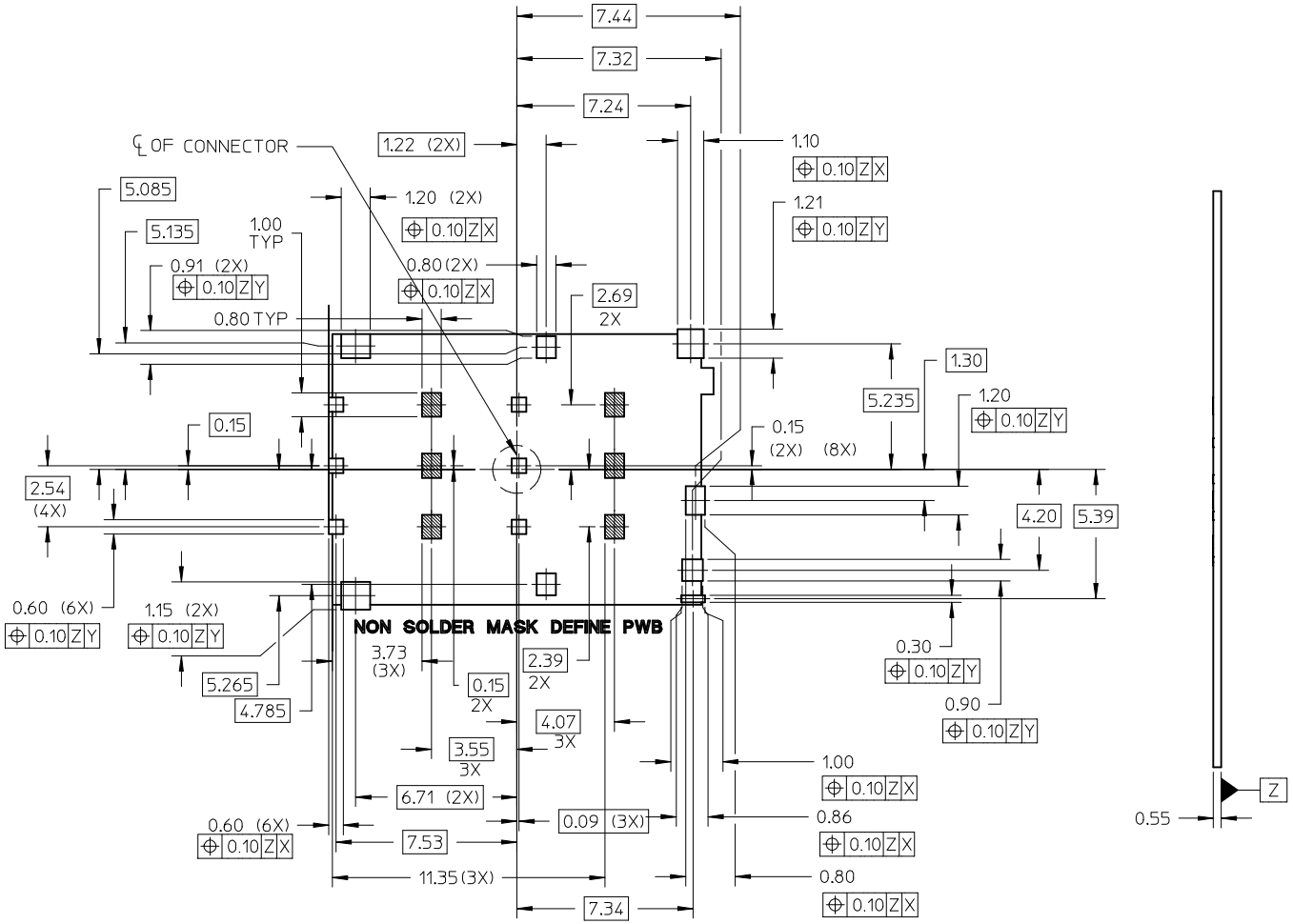
MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-151073-0001
SHEET NO.: 2 OF 3
SIZE: A3



TOP VIEW

CONNECTOR KEEPOUT ZONE
WITH PART CENTER LOCATION OF
CONNECTOR RELATIVE TO PCB

KEEPOUT AREA FOR WIRING



TOP VIEW

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

PIN NO	ASSIGNMENT
C1	Vcc (SUPPLY VOLTAGE)
C2	RST (RESET SIGNAL)
C3	CLK (CLOCK SIGNAL)
C4	DETECT SWITCH
C5	GND
C6	Vpp (VARIABLE SUPPLY VOLTAGE)
C7	I/O (DATA INPUT/OUTPUT)
H1	GND
H2	GND
H3	GND
H5	GND
H6	GND
H7	GND

ADD TOL TO CONTACT TIP
EC NO: S2015-0916 2015/03/03
DRWN:SCHEONG 2015/03/10
CH'KD:GMENARLY 2015/03/12
APPR:KHLIM
DESCRIPTION
12
REV

QUALITY SYMBOLS
FA=0
FC=0
FB=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

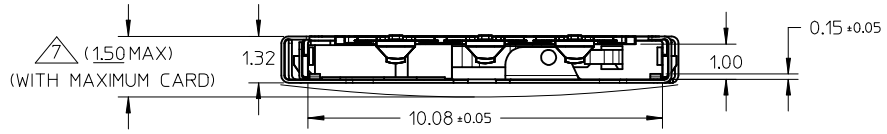
DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

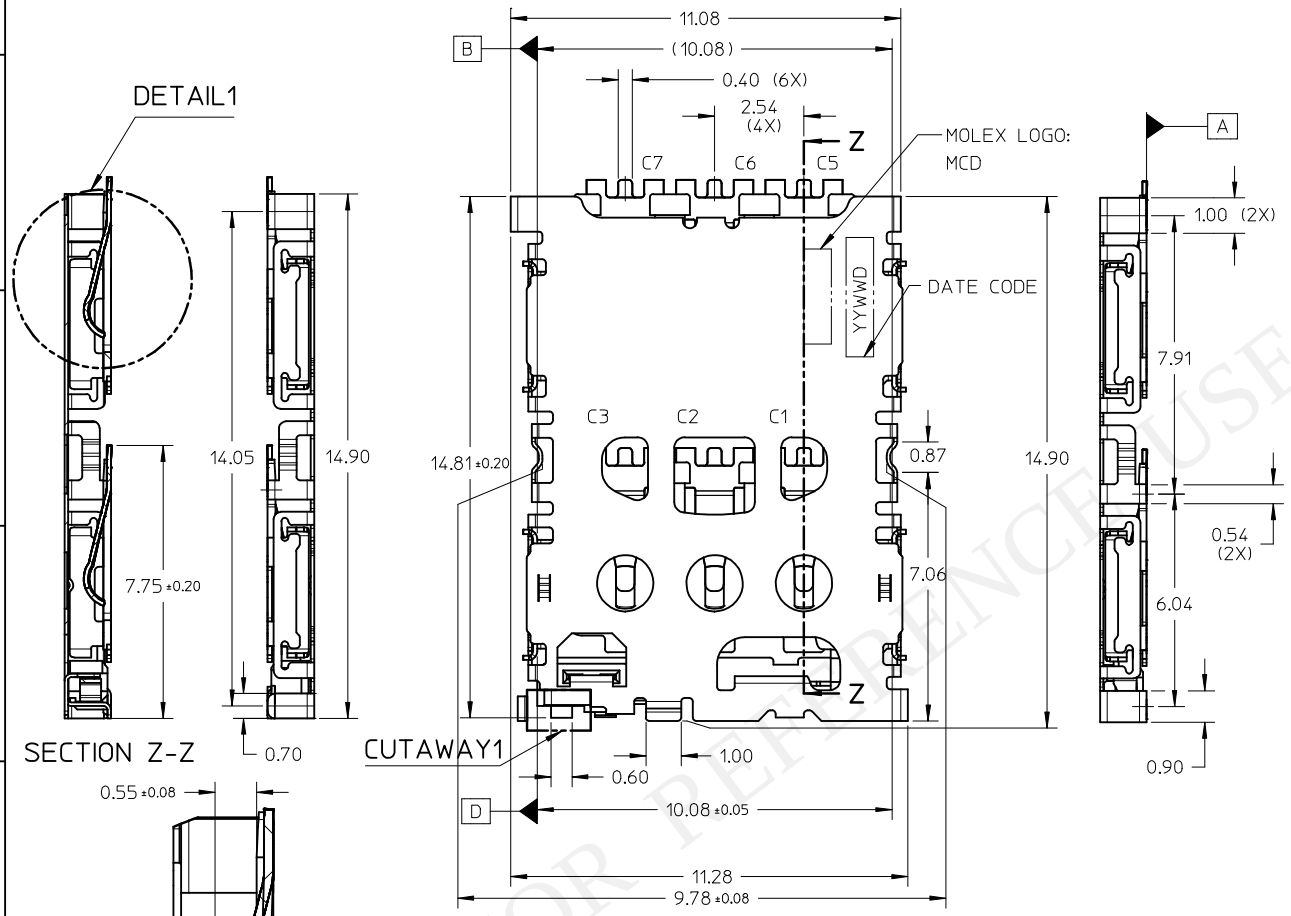
DRAWN BY: SCHEONG DATE: 2014/07/16
CHECKED BY: GMENARLY DATE: 2015/03/10
APPROVED BY: KHLIM DATE: 2015/03/12

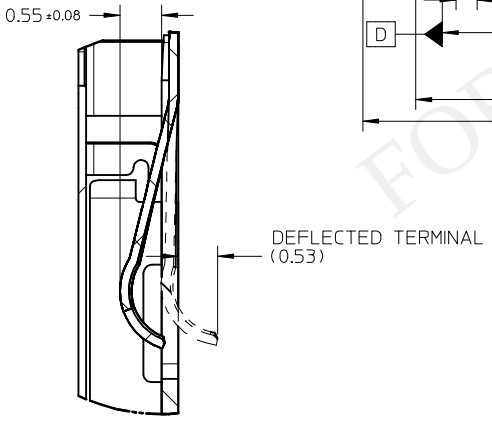
TITLE: NANO SIM CONNECTOR 1.32MM HEIGHT WITH TRAY AND DETECT PIN

molex

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-151073-0001
SHEET NO.: 3 OF 3
SIZE: A3







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
EC NO: S2016-0054 2015/07/07
DRWN:SCHEONG
CHKD:
APPR:SCHEONG 2015/07/14
DESCRIPTION
1
REV

QUALITY SYMBOLS
FA=0
FC=6
FP=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

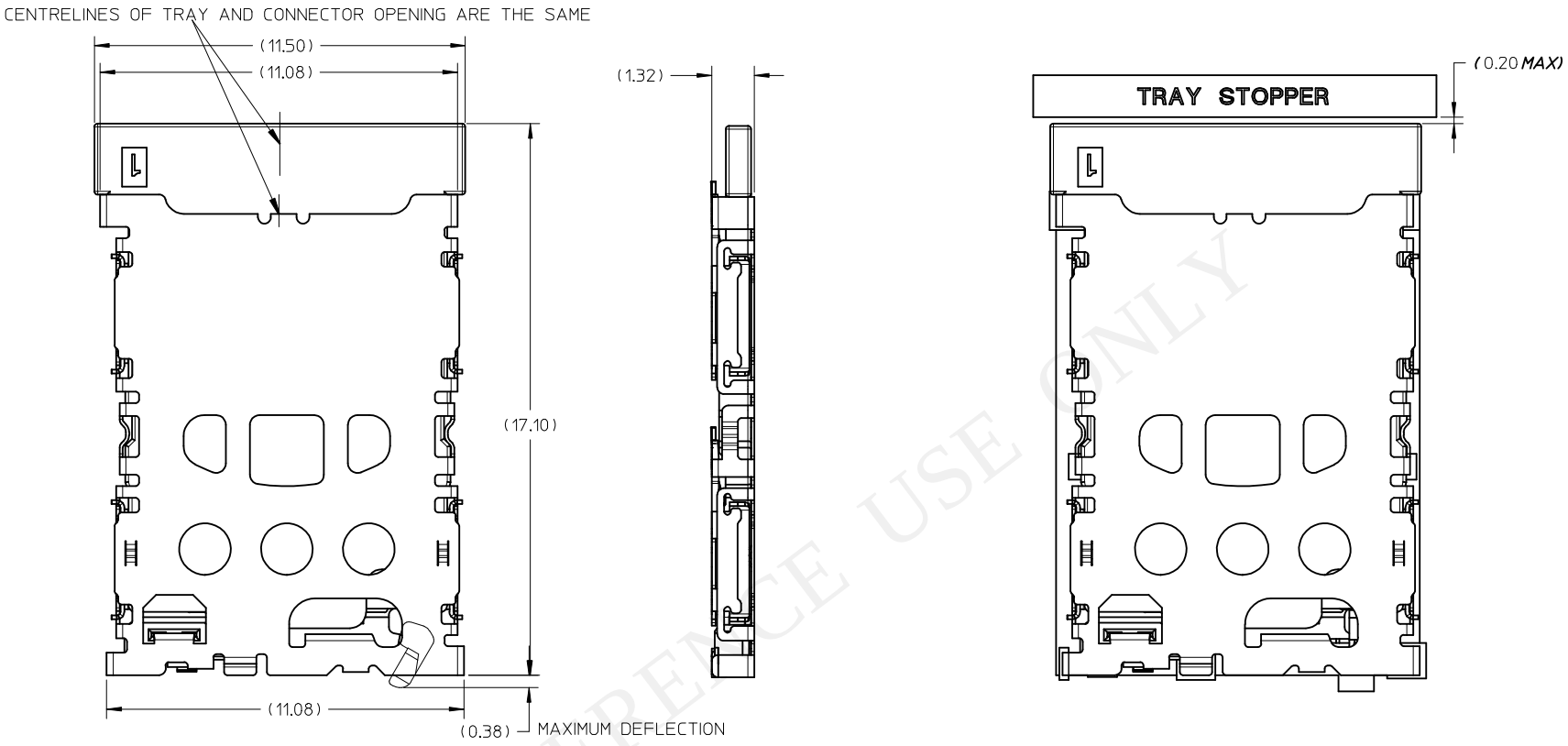
DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: SCHEONG DATE: 2015/07/07
CHECKED BY: DATE:
APPROVED BY: SCHEONG DATE: 2015/07/14
MATERIAL NO.: SEE TABLE

TITLE: NANO SIM CONNECTOR 1.32MM HEIGHT WITH TRAY AND DETECT PIN

molex

DOCUMENT NO.: SD-151073-0010
SHEET NO.: 1 OF 3
SIZE: A3



CONNECTOR WITH TRAY

SYSTEM LEVEL

DESCRIPTION	PART NUMBER
CONNECTOR	151073-0001
NANO SIM CARD TRAY	151073-0030

CARD INSERTION STATE	DETECT SWITCH CIRCUIT STATE	SCHEMATIC
CARD MATED	OPENED	D.S. – D.C.
CARD UNMATED	CLOSED	D.S. – D.C.

PRELIM. RELEASE
EC NO: S2016-0054 2015/07/07
DRWN:SCHEONG
CH'KD:
APPR:SCHEONG 2015/07/14
DESCRIPTION
1
REV

QUALITY SYMBOLS
FA=0
FC=0
FP=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

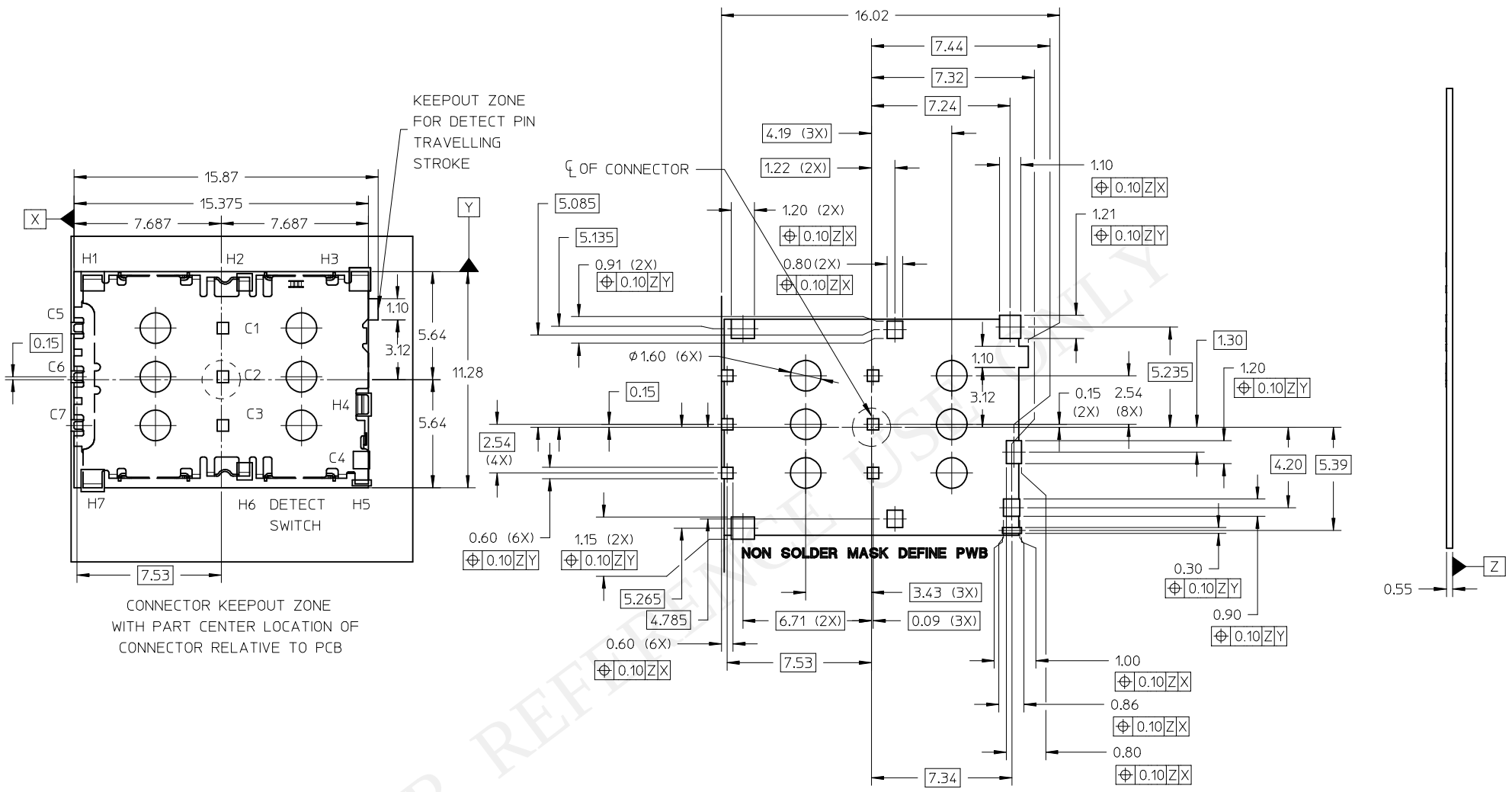
DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: SCHEONG DATE: 2015/07/07
CHECKED BY: DATE:
APPROVED BY: SCHEONG DATE: 2015/07/14

TITLE: NANO SIM CONNECTOR 1.32MM HEIGHT WITH TRAY AND DETECT PIN

molex

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-151073-0010
SHEET NO.: 2 OF 3
SIZE: A3



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

PRELIM. RELEASE 2015/07/07
EC NO: S2016-0054
DRWN: SCHEONG
CH'KD:
APPR: SCHEONG 2015/07/14
DESCRIPTION
1
REV

QUALITY SYMBOLS
F_A=0
F_C=0
F_P=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
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: SCHEONG DATE: 2015/07/07
CHECKED BY: DATE:
APPROVED BY: SCHEONG DATE: 2015/07/14
MATERIAL NO.: SEE TABLE

TITLE: NANO SIM CONNECTOR
1.32MM HEIGHT WITH TRAY
AND DETECT PIN

molex

DOCUMENT NO.: SD-151073-0010
SHEET NO.: 3 OF 3
SIZE: A3