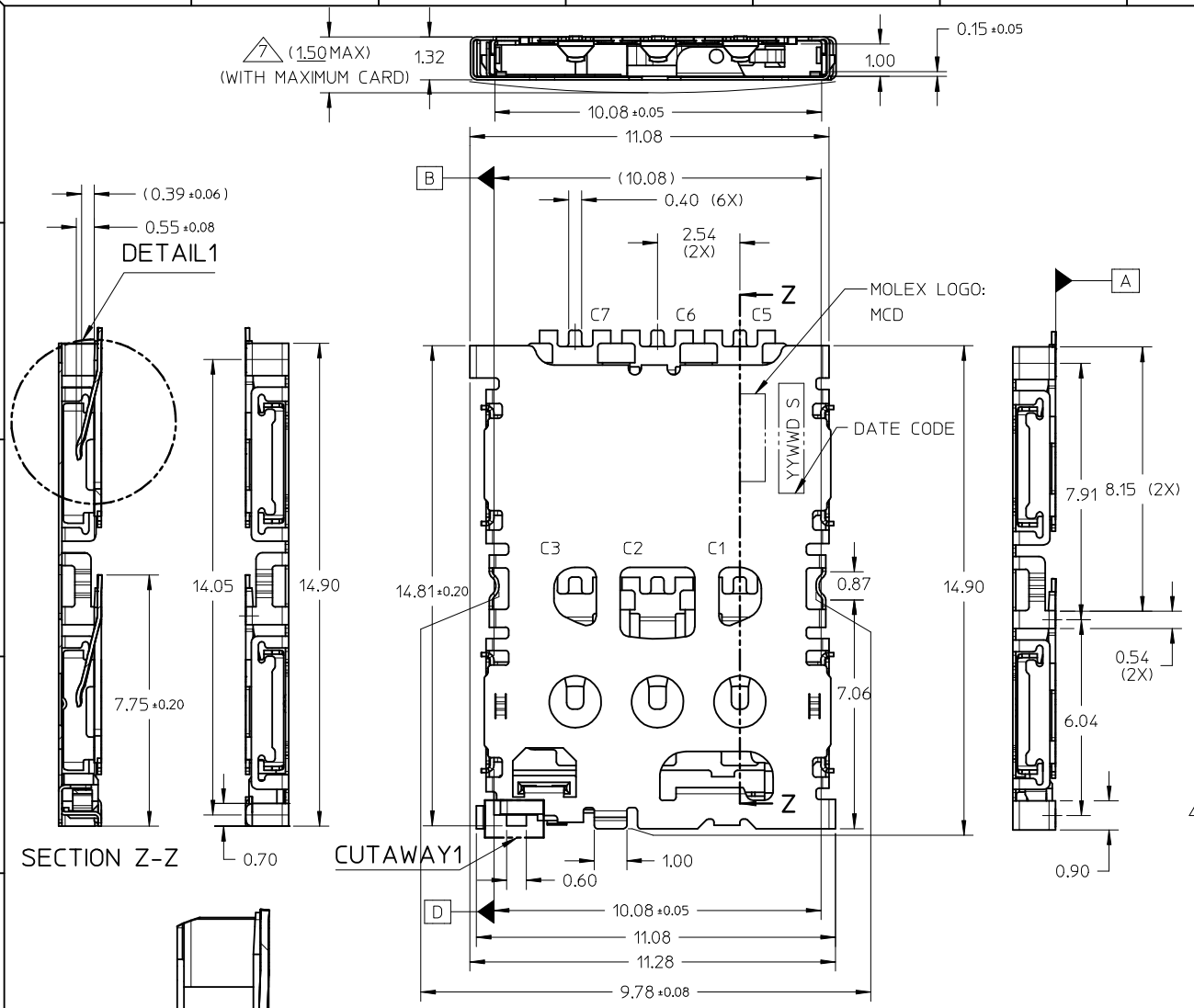


NOTES:

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.

CHANGE DECIMAL @SHEET3
EC NO: S2016-0055 2015/07/01
DRWN:SCHEONG 2015/07/30
CH'KD:GMENARLY 2015/08/05
APPR:KHLIM
13
DESCRIPTION
REV

QUALITY SYMBOLS
FA=0
FC=0
FB=0

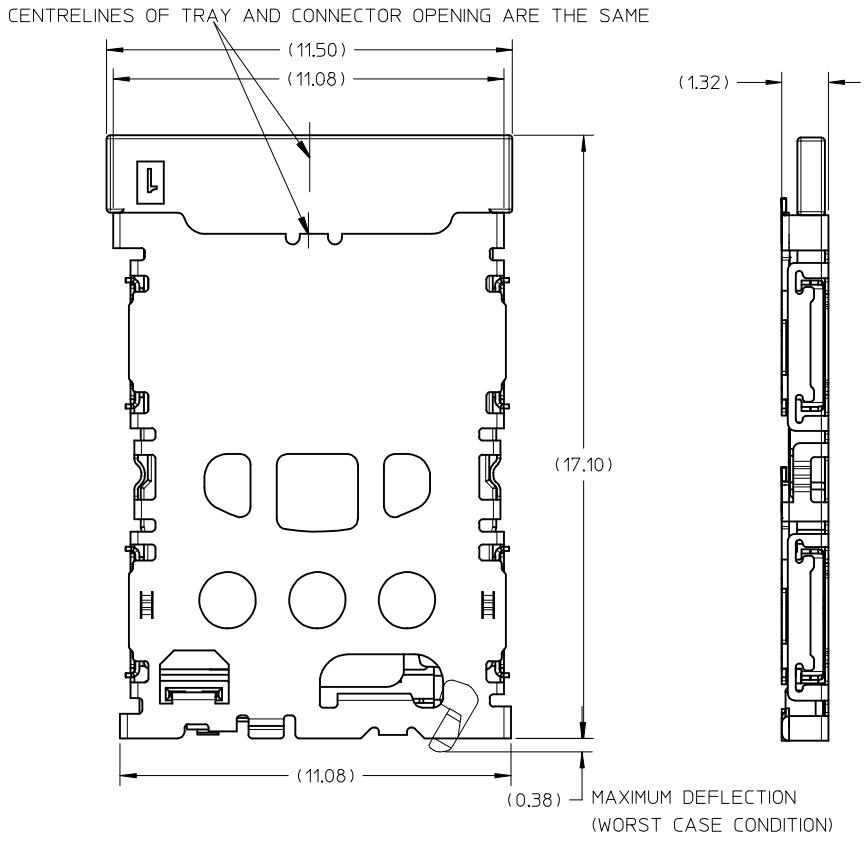
GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± 0.100	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± ---	± ---
0 PLACE	± ---	± ---

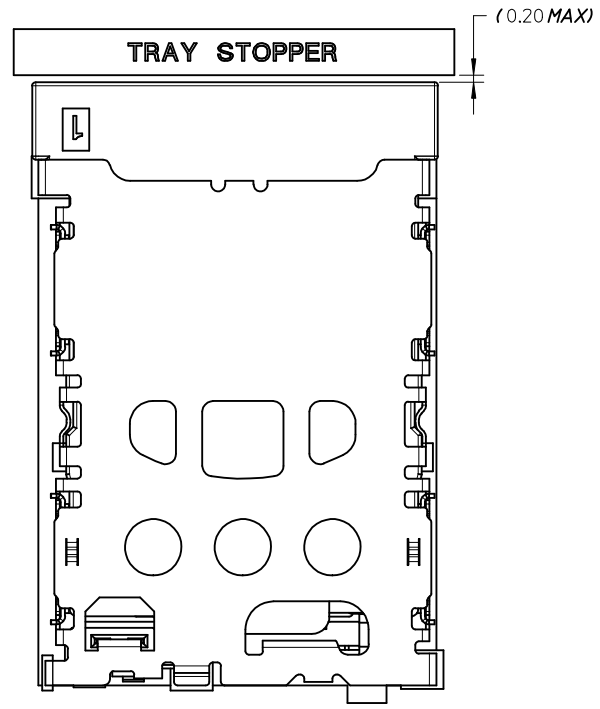
ANGULAR ± 3 °

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
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 (WITHOUT RETENTION FEATURES)
	151073-0030 (WITH RETENTION FEATURES)

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

CHANGE DECIMAL @SHEET3
EC NO: S2016-0055 2015/07/01
DRWN:SCHEONG 2015/07/30
CH'KD:GMENARLY
APPR:KHLIM 2015/08/05
DESCRIPTION
13
REV

QUALITY SYMBOLS
F_A=0
F_C=0
F_D=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± 0.100	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± ---	± ---
0 PLACE	± ---	± ---

ANGULAR ± 3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

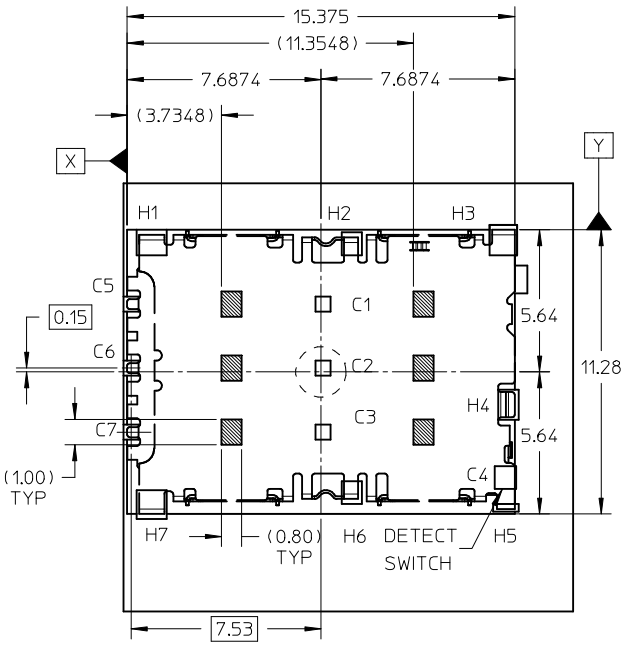
DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

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

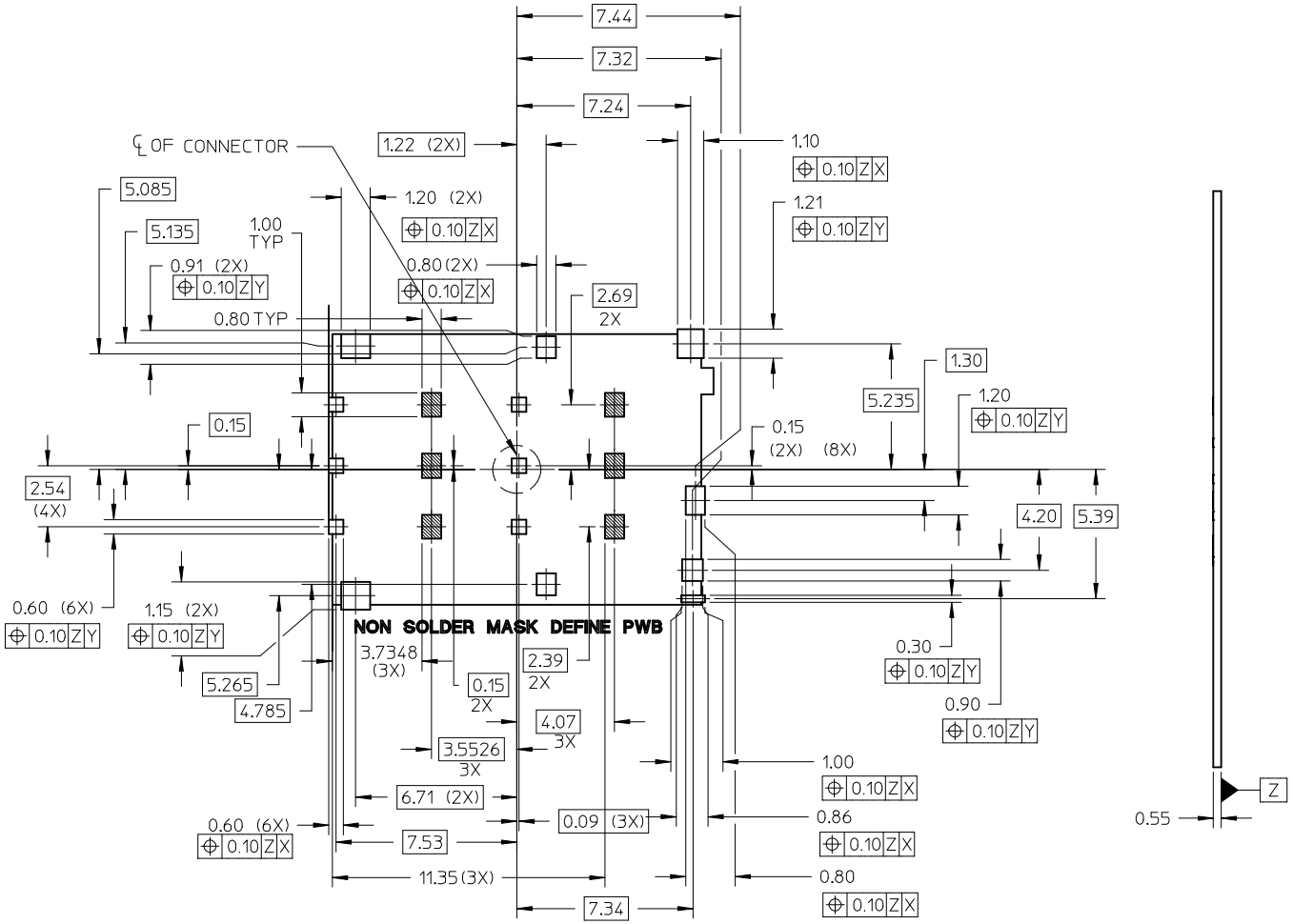
MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-151073-0001
SHEET NO.: 2 OF 3
SIZE: A3



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

CHANGE DECIMAL @SHEET3 2015/07/01
EC NO: S2016-0055 2015/07/30
DRWN:SCHEONG CH'KD:GMENARLY 2015/08/05
APPR:KHLIM
DESCRIPTION
13
REV

QUALITY SYMBOLS
FA=0
FC=0
FB=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± 0.100	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± ---	± ---
0 PLACE	± ---	± ---

ANGULAR ± 3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

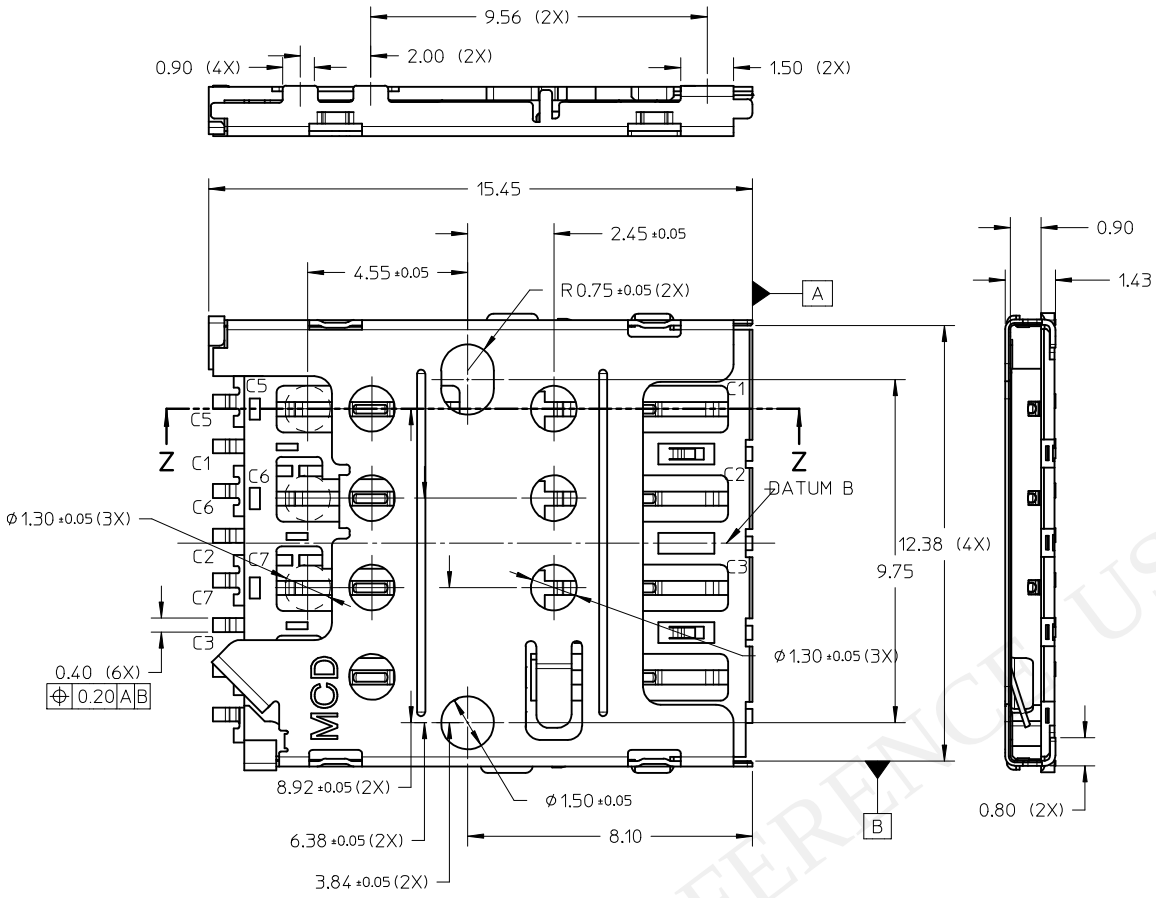
DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

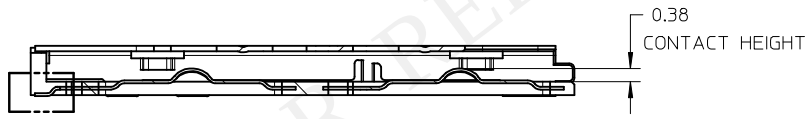
DRAWN BY: SCHEONG DATE: 2014/07/16
CHECKED BY: GMENARLY DATE: 2015/03/10
APPROVED BY: KHLIM DATE: 2015/03/12

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

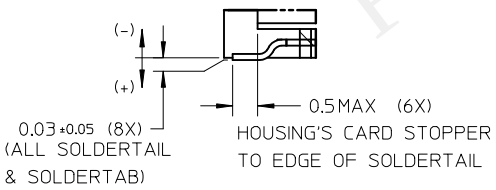
molex

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





DETAIL1 SECTION Z-Z



DETAIL1

NOTE:
1. MATERIAL: HOUSING : LIQUID CRYSTAL POLYMER (LCP), GLASS FILLED, UL94-V0, COLOR: BLACK
TERMINAL : COPPER ALLOY
METAL SHELL : STAINLESS STEEL
2. FINISH:
TERMINAL:-
CONTACT : 0.38μM MIN. GOLD OVER 1.27μM NICKEL UNDERPLATE.
SOLDERTAIL: 1.27μM MIN. MATTE TIN OVER 1.27μM NICKEL UNDERPLATE.
SHELL :-
SOLDERTAB : 1.27μM MIN. MATTE TIN OVER 1.27μM NICKEL UNDERPLATE.
TOP SURFACE : MATTE TIN OVER 1.27μM NICKEL UNDERPLATE.
3. OVERALL (SOLDERTAIL & SOLDERTAB) COPLANARITY 0.08MM, MAX.
4. ALLOWABLE SIM CARD SLIDE OUT W.R.T. DATUM A : 1.00MM MAX.
5. PRODUCT SPECIFICATION: PS-151070-0001
6. PACKAGING SPECIFICATION: PK-151070-0001

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

THIS DOCUMENT IS FOR REFERENCE ONLY.

REVISED	EC NO:	DRWN:	CH'KD:	APPR:	DESCRIPTION	REV
	5	SCHEONG			2014/10/09	

QUALITY SYMBOLS: FA=0, FC=0, FP=0

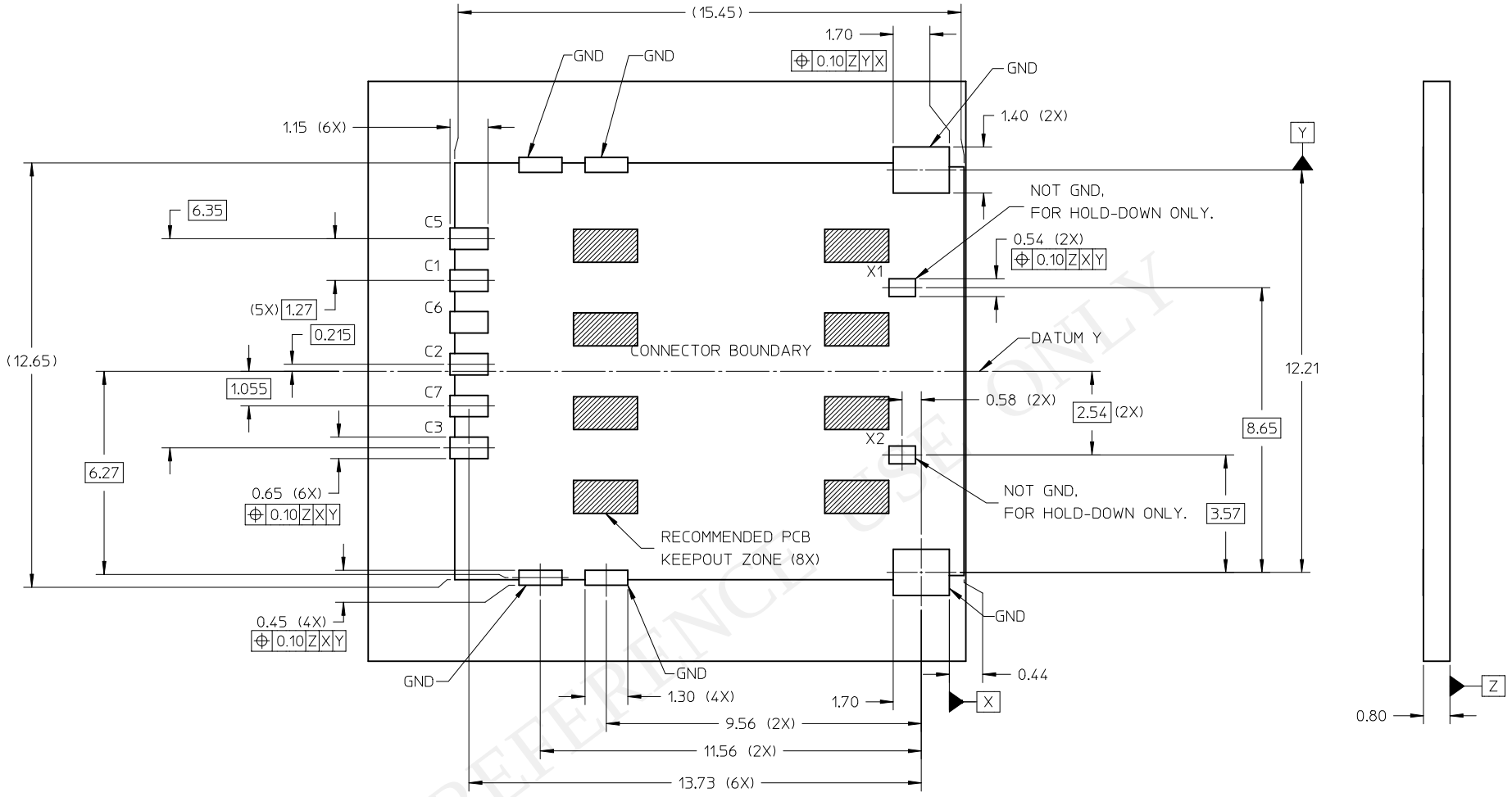
GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
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: 2014/05/21	TITLE: SALES DRAWING MICRO SIM CONNECTOR 1.45MM HEIGHT, PUSH PULL		
CHECKED BY: DATE:			
APPROVED BY: DATE:	molex		
MATERIAL NO.: 151070-0001	DOCUMENT NO.: SD-151070-0001	SHEET NO.: 1 OF 3	

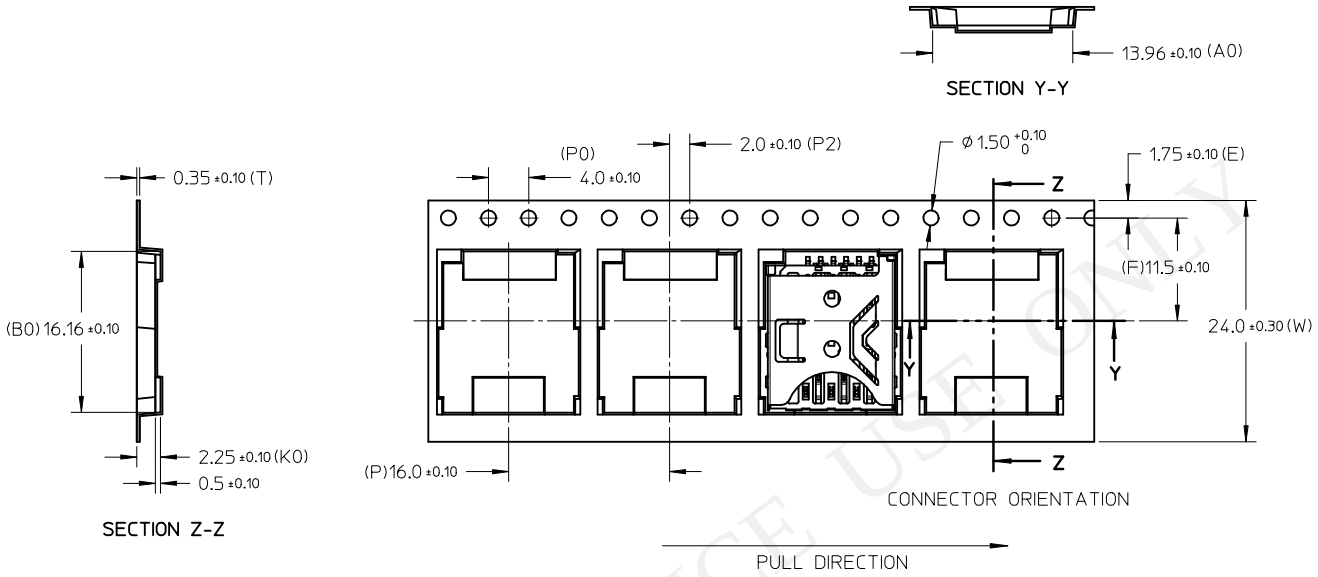
SIZE A3



RECOMMENDED PCB LAYOUT
PWB TOLERANCE : ±0.05MM

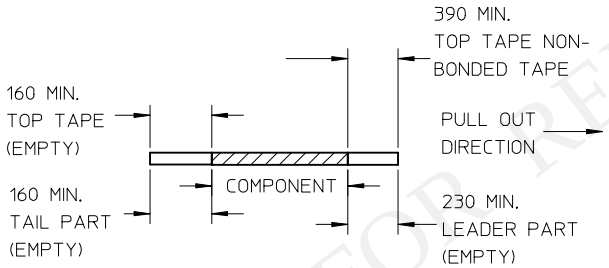
REVISED EC NO: 2014/10/09 DRWN:SCHEONG CHK'D: APPR:	DESCRIPTION	REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH	DIMENSION STYLE MM ONLY	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
				4 PLACES	± ---	± ---	DRAWN BY SCHEONG	DATE 2014/05/21	TITLE SALES DRAWING MICRO SIM CONNECTOR 1.45MM HEIGHT, PUSH PULL	
				3 PLACES	± ---	± ---	CHECKED BY	DATE		
				2 PLACES	± 0.20	± ---	APPROVED BY	DATE	molex	
				1 PLACE	± ---	± ---	MATERIAL NO. 151070-0001		DOCUMENT NO. SD-151070-0001	SHEET NO. 2 OF 3
				0 PLACE	±	±	SIZE A3			
				ANGULAR ± 3 °						
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						

PACKAGING INFORMATION

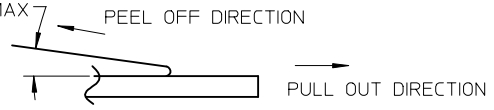


NOTES :

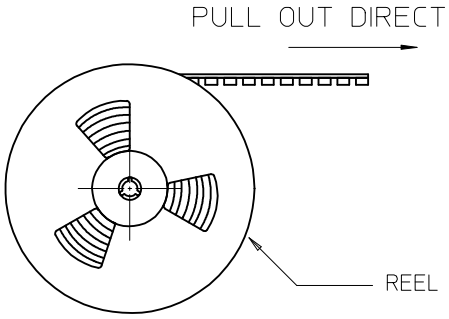
1. LEADER & TRAILER TAPE



2. PEELING OFF FORCE OF THE TOP TAPE : 20-80gf.
(PEELING DIRECTION AS SHOWN IN THE FOLLOWING FIGURE)



3. TAPE & REEL SPECIFICATION IS AS PER EIA-481.
4. TAPE & REEL QTY. : 1500PCS / REEL.
5. THE TAPE IS TREATED FOR ANTI-STATIC.



REVISED	EC NO: S2015-0253	2014/10/09
	DRWN:SCHEONG	
	CHK'D:	
	APPR:	

DESCRIPTION | REV: 5

QUALITY SYMBOLS
E_W=0
E_C=0
E_P=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---
0 PLACE	±	±

ANGULAR ± 3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY	DATE
SCHEONG	2014/05/21
CHECKED BY	DATE
APPROVED BY	DATE

TITLE: SALES DRAWING
MICRO SIM CONNECTOR
1.45MM HEIGHT, PUSH PULL

molex

MATERIAL NO.	DOCUMENT NO.	SHEET NO.
151070-0001	SD-151070-0001	3 OF 3

SIZE A3