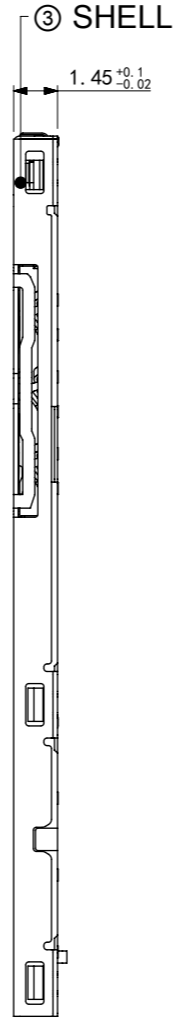
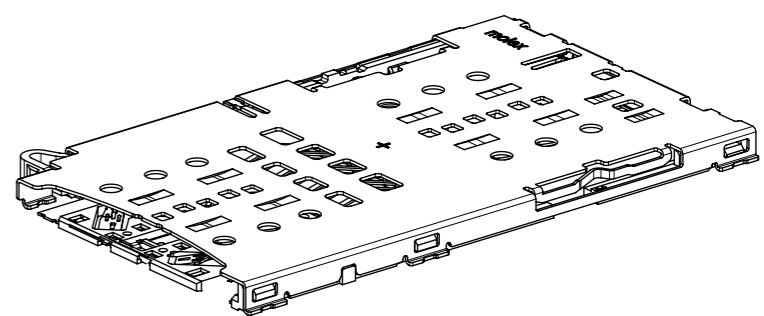
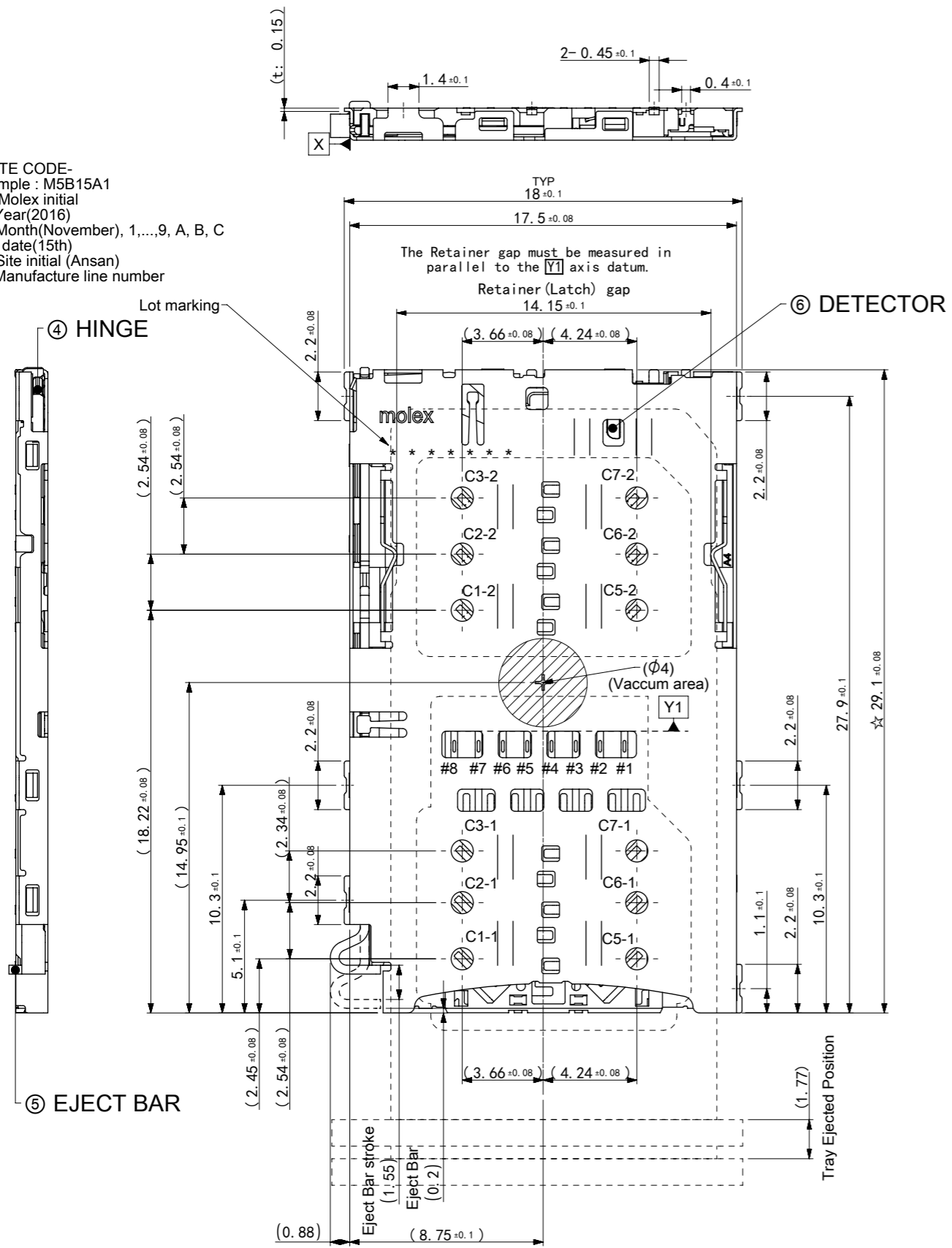


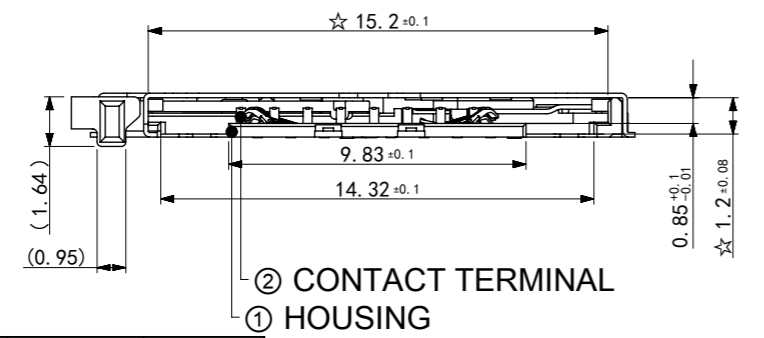
-DATE CODE-
 example : M5B15A1
 M : Molex initial
 6 : Year(2016)
 B : Month(November), 1,...,9, A, B, C
 15 : date(15th)
 A : Site initial (Ansan)
 1 : Manufacture line number



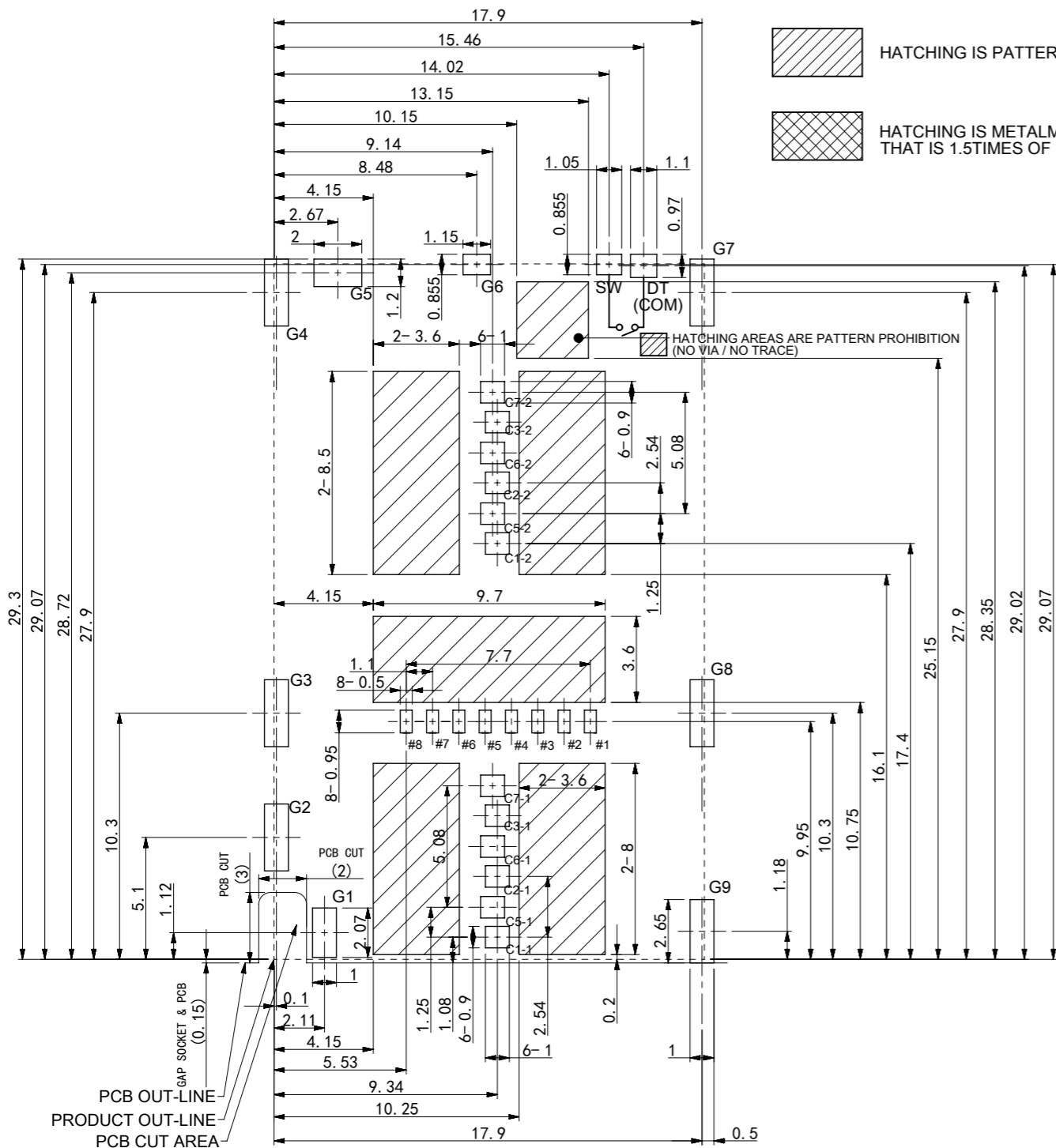
NOTES

1. MATERIALS : SEE TABLE
2. FINISHES : SEE TABLE
3. MATE WITH : microSD CARD + nanoSIM(4FF) CARD
or nanoSIM(4FF)CARD + nanoSIM(4FF)CARD
4. PRODUCT SPECIFICATIONS : PS-201030-001
5. PACKING SPECIFICATIONS : SPK-201030-502
6. COPLANARITY OF SOLDER TAILS : ☆ Max 0.10mm
7. AFTER REFLOW COPLANARITY OF SOLDER TAILS : ☆ Max 0.10mm
8. REFERENCE CARD DIMENSIONS ARE WITH STANDARD DIMENSION CARD
9. CUSTOMERS CTF DIMENSION(☆) IS EQUAL TO MOLEX MAJOR QUALITY SYMBOL(▼)
10. RECOMMEND METAL MASK T=0.1mm
11. GUARANTEE MORE SPACE THAN 0.2mm OVER THE TOP FACE OF THE PRODUCT WHEN MOUNTING.

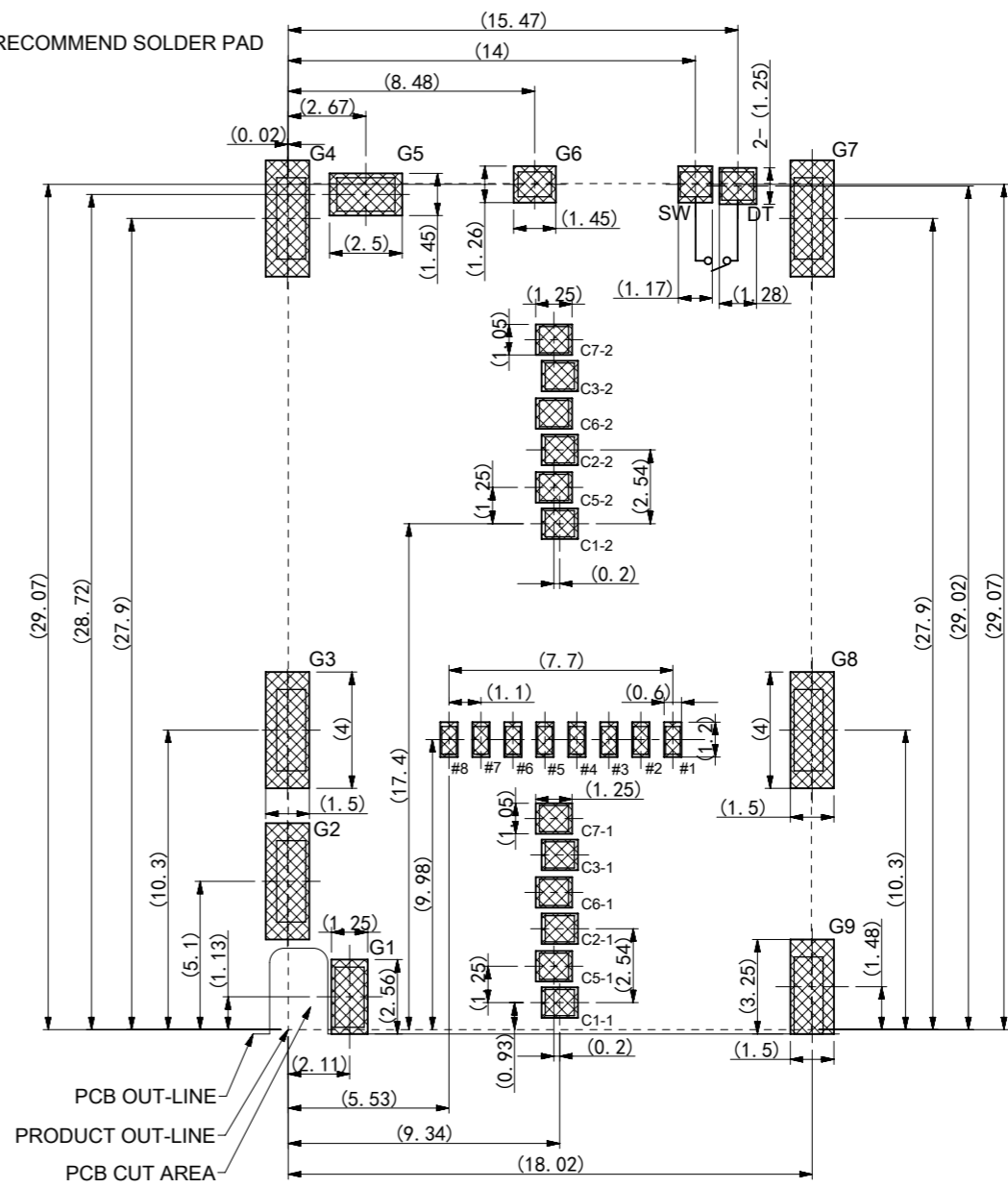
NO.	Description	Materials	201030-0214	
			PART(ORDER) NO.	MATERIAL NO.
1	HOUSING	LIQUID CRYSTAL POLYMER	BLACK COLOR(UL94V-0)	
2	CONTACT TERMINAL(20P) SWITCH(1P)	Copper Alloy	Nickel Barrier Contact : Gold flash 0.05µm Min over Pd+Ni 0.3µm Min Lead : Gold flash 0.05µm Min BASE : Nickel 1.25~5.5µm	
3	SHELL	Stainless Steel	ALL : Nickel 1.25~3.0µm	
4	HINGE	Stainless Steel	NONE	
5	EJECT BAR	Stainless Steel	NONE	
6	DETECTOR (COMMON)	Copper Alloy	Nickel Barrier Contact : Gold 0.1µm Min over Nickel 1.25~5.5µm Lead : Gold flash 0.05µm Min over Nickel 1.25~5.5µm	



FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	CURRENT REV DESC:				
	DIMENSION UNITS: mm SCALE: 4:1 GENERAL TOLERANCES (UNLESS SPECIFIED): ANGULAR TOL: ± ° 4 PLACES: ± 3 PLACES: ± 2 PLACES: ± 1 PLACE: ± 0 PLACES: ±	EC NO: 668092 DRWN: ICYANG CHK'D: SHCHU APPR: SHCHU 2021/06/30 2021/07/13 2021/07/13				
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS THIRD ANGLE PROJECTION		DRAWING: A3-SIZE SERIES: 201030		PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: 2010300214 DOC TYPE: PSD DOC PART: 000 REVISION: A6	
	MATERIAL NUMBER: 201030 CUSTOMER: GENERAL		SHEET NUMBER: 1 OF 4			



RECOMMENDED PCB LAYOUT (MOUNTING FACE SIDE)
ALL TOLERANCE NOT DESCRIBED ARE ±0.05



RECOMMENDED METALMASK APERTURE RATIO 150% LAYOUT
(METALMASK STENCIL THICKNESS 0.1T)

[nanoSIM CARD PIN-MAP]

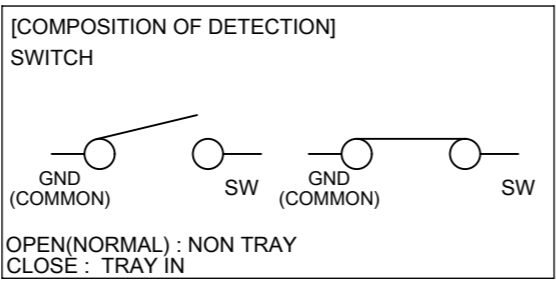
Pin NO.	Description	
C1-1	C1-2	VCC
C2-1	C2-2	RST
C3-1	C3-2	CLK
C4-1	C4-2	(None)
C5-1	C5-2	GND
C6-1	C6-2	VPP
C7-1	C7-2	I/O
C8-1	C8-2	(None)

[microSD CARD PIN-MAP]

Pin NO.	Description
#1	DAT2
#2	CD/DAT3
#3	CMD
#4	VDD
#5	CLK
#6	VSS
#7	DAT0
#8	DAT1

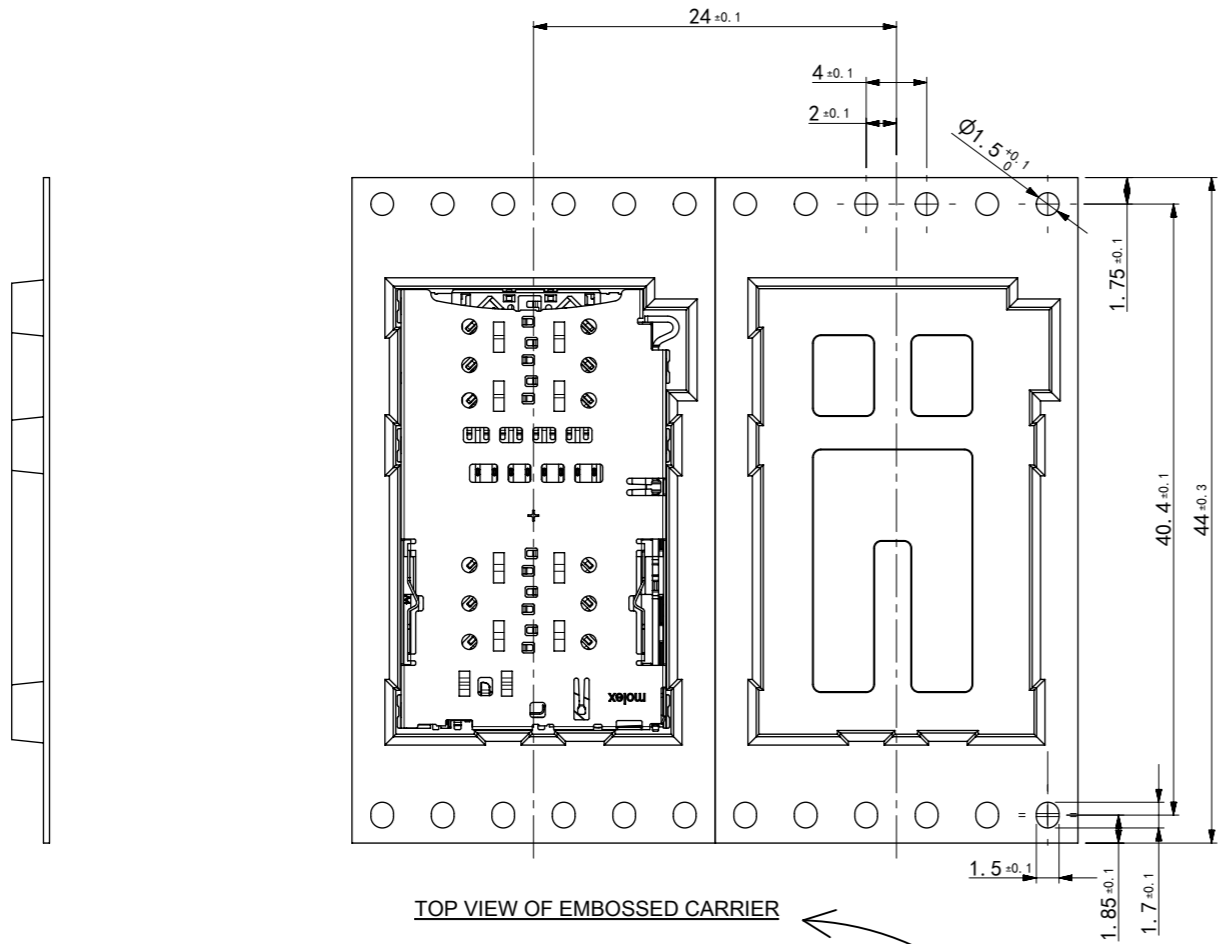
G1-G9	GROUND or NOT CONNECT
S/W	TRAY DETECTOR
DT(COM)	GND or COMMON

[Circuit diagram for Detection Switch of Card Tray]
※ THERE IS ONLY ONE TRAY INSERTION/REMOVAL SWITCH PHYSICALLY. THEREFORE, AFTER TRAY DETECTION, THIS PRODUCT IS NECESSARY TO DETECT THE SIM OR SD CARD SEPARATELY IN SOFTWARE.



※ THIS PRODUCT HAS NO C4, C8 CONTACT TERMINAL

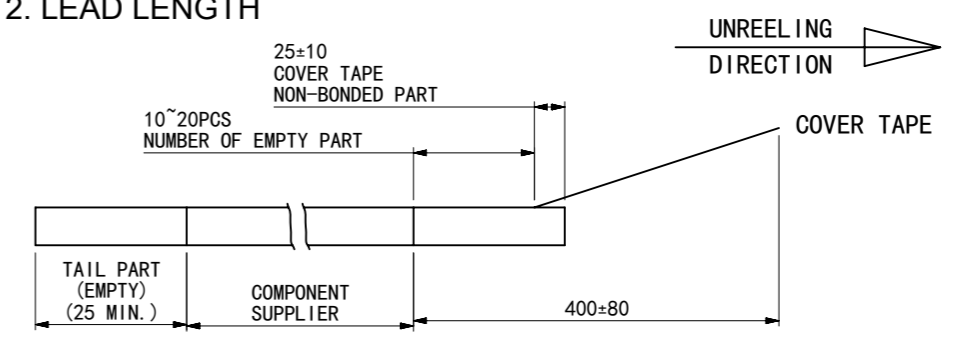
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
▽A = 0	DIMENSION UNITS: mm	SCALE: 4:1
▽E = 0	CURRENT REV DESC:	
▽F = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	ANGULAR TOL ± °	
	4 PLACES ±	
	3 PLACES ±	
	2 PLACES ±	
	1 PLACE ±	
	0 PLACES ±	
DIVISIONAL SYMBOLS	EC NO: 668092	2021/06/30
	DRWN: ICYANG	2021/07/13
	CHK'D: SHCHU	2021/07/13
	APPR: SHCHU	
	INITIAL REVISION:	
	DRWN: DWLEE02	2016/02/04
	APPR: YSKIM02	2016/07/08
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING: A3-SIZE
	SERIES: 201030	MATERIAL NUMBER: 2010300214
	CUSTOMER: GENERAL	DOCUMENT NUMBER: 2010300214
		DOC TYPE: PSD
		DOC PART: 000
		REVISION: A6
		SHEET NUMBER: 2 OF 4



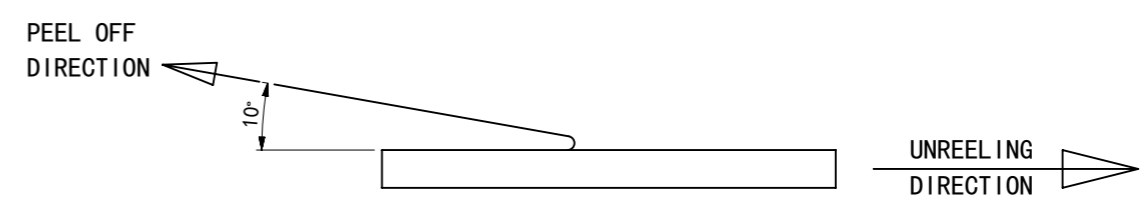
NOTES

1. QUANTITY OF PRODUCTS : 1,200 PCS/1REEL

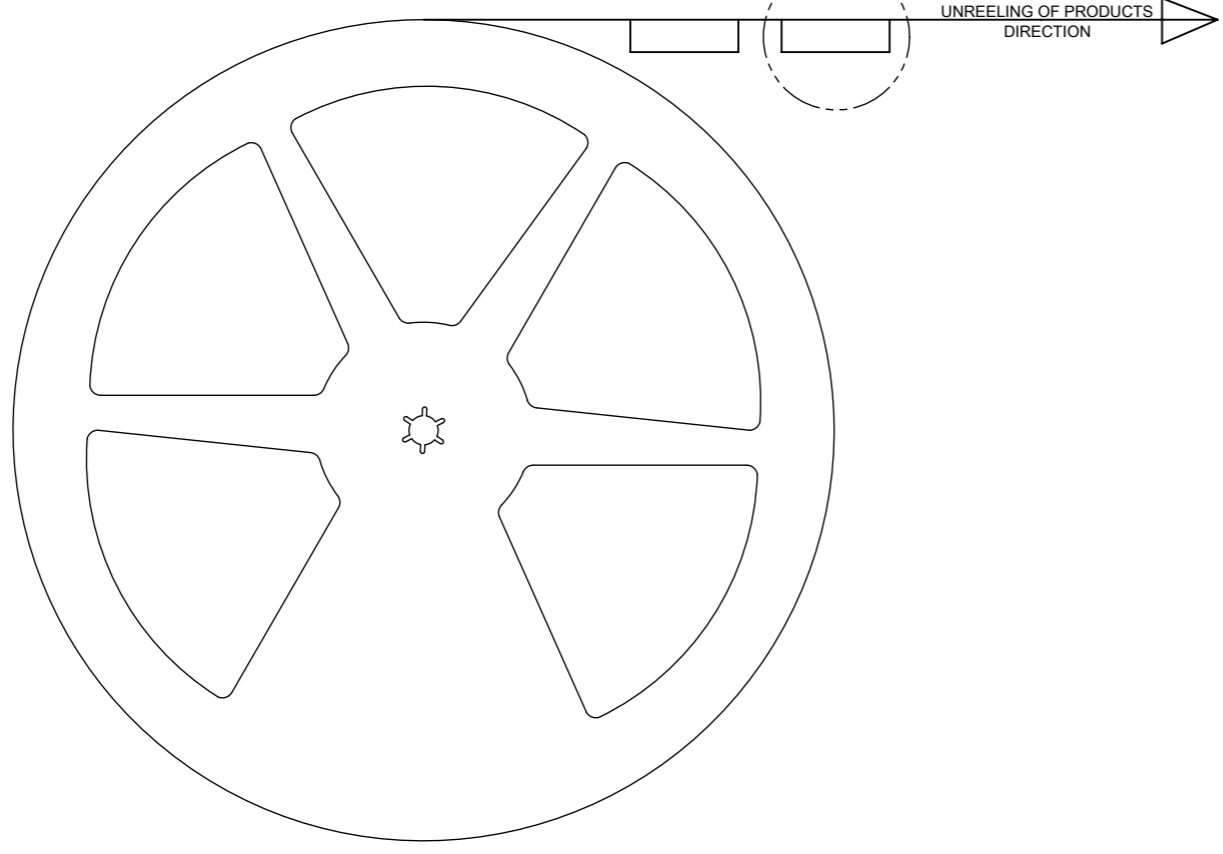
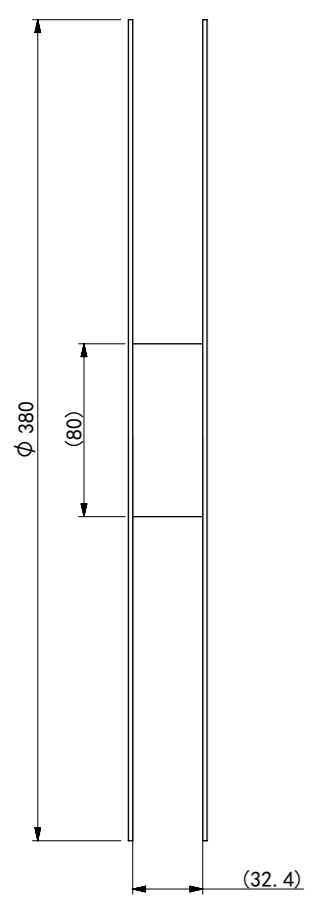
2. LEAD LENGTH



3. PEELING OFF FORCE OF COVER TAPE : 0.1N~0.59N(10.2~60gf)
(PEELING DIRECTION AS BELOW)
-PEELING OFF SPEED : 300mm/Min.(Ref)

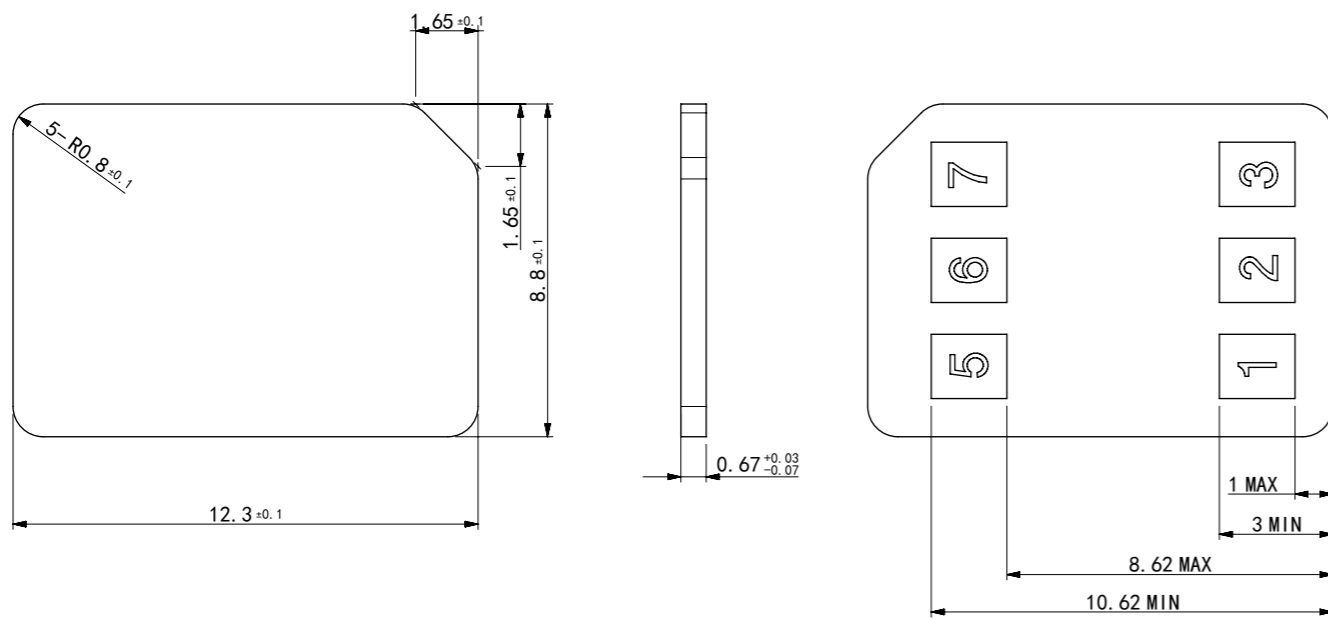


4. MATERIALS OF EMBOSSED CARRIER AND COVER TAPE :
PET(POLYETHYLEN TEREPHTHALATE)

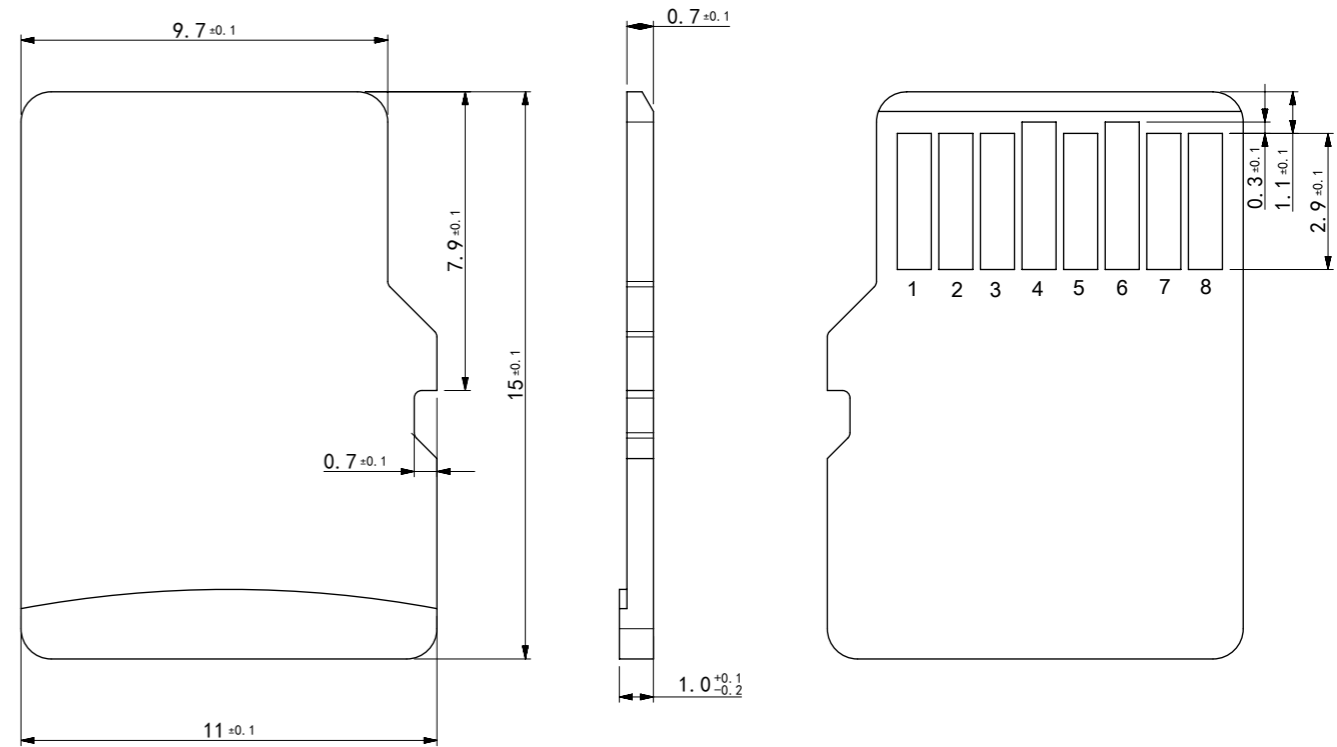


FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex	
	$\frac{F}{A} = 0$	mm	SCALE	2:1		
$\frac{F}{E} = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)				GENERAL MSD/NSIM 3IN2 VERTICAL TRAY TYPE MSD/NSIM 3IN2 VERTICAL BARPUSH TRAY TYPE	
$\frac{F}{V} = 0$	ANGULAR TOL ± °					
DIVISIONAL SYMBOLS	4 PLACES	±	EC NO: 668092	2021/06/30	PRODUCT CUSTOMER DRAWING	
	3 PLACES	±	DRWN: ICYANG	2021/07/13		
	2 PLACES	±	CHK'D: SHCHU	2021/07/13	DOCUMENT NUMBER 2010300214	
	1 PLACE	±	APPR: SHCHU	2021/07/13		DOC TYPE PSD
	0 PLACES	±	INITIAL REVISION:			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	REVISION A6	
			A3-SIZE	201030	MATERIAL NUMBER 2010300214	
					CUSTOMER GENERAL	
					SHEET NUMBER 3 OF 4	

REFERENCE CARDS DRAWING



nanoSIM CARD



microSD CARD

[Reference standards]
 -microSD Card Specification Addendum Version 4.00
 -ETSI TS 102 221 V12.0.0 Smart Cards, UICC-Terminal interface, Physical and logical characteristic

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex		
	△/A = 0	mm					
DIVISIONAL SYMBOLS	△/E = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			GENERAL MSD/NSIM 3IN2 VERTICAL TRAY TYPE		
	△/Z = 0	ANGULAR TOL ± °	MSD/NSIM 3IN2 VERTICAL BARPUSH TRAY TYPE			PRODUCT CUSTOMER DRAWING	
DIVISIONAL SYMBOLS	4 PLACES ±	EC NO: 668092	2021/06/30	DOCUMENT NUMBER			
	3 PLACES ±	DRWN: ICYANG	2021/07/13	2010300214			
	2 PLACES ±	CHK'D: SHCHU	2021/07/13	DOC TYPE		DOC PART	
	1 PLACE ±	APPR: SHCHU	2021/07/13	PSD		000	
	0 PLACES ±	INITIAL REVISION:	2016/02/04	A6		REVISION	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
			A3-SIZE	201030	2010300214	GENERAL	4 OF 4