

NOTES

1. MATERIALS: SEE TABLE
2. FINISHES: SEE TABLE
3. MATES WITH: nanoSIM(UICC 4FF) Card
4. PRODUCT SPECIFICATIONS: PS-104264-001
5. PACKING SPECIFICATIONS: SPK-104264-002
6. COPLANARITY OF SOLDER TAILS: 0.08mm MAX. BEFORE & AFTER 250°C REFLOW 3TIMES
7. REFERENCE CARD DIMENSIONS ARE WITH STANDARD DIMENSION CARD

[Circuit diagram for Detection Switch of Card Tray]

Tray insertion condition	Tray detection switch	Detector (D/T)	Circuit	Switch terminal (S/W)
Without Tray	Open			
Tray inserted	Close			

NO.	PARTS NAME	MATERIALS	FINISHES
1	CONTACT TERMINAL(12P) SWITCH TERMINAL (S/W)	COPPER ALLOY	CONTACT nSIM : GOLD 0.05µm MIN. OVER Pd-Ni 0.3µm MIN. CONTACT mSD & SWITCH : GOLD 0.05µm MIN Pd-Ni 0.2µm MIN. DETECTOR(COMMON) : GOLD 0.1µm MIN. on Contact(bottom side) SOLDERS : GOLD 0.05µm MIN. BASE : NICKEL 127µm MIN. (Pd-Ni IS PALLADIUM NICKEL)
2	DETECTOR (D/T)	PHOSPHOR BRONZE	
3	SHELL	STAINLESS STEEL	BRIGHT NICKEL 127µm MIN.
4	HOUSING	LIQUID CRYSTAL POLYMER	BLACK COLOR, UL94V-0
5, 6	BAR, HINGE	STAINLESS STEEL	NONE
7, 8	LATCH LEFT/RIGHT	STAINLESS STEEL	NONE

REVISED
EC NO: KOR2017-0051
DRWN:HYOU
CHKD:
APPR:YSKIM02
2017/05/10
2017/05/12

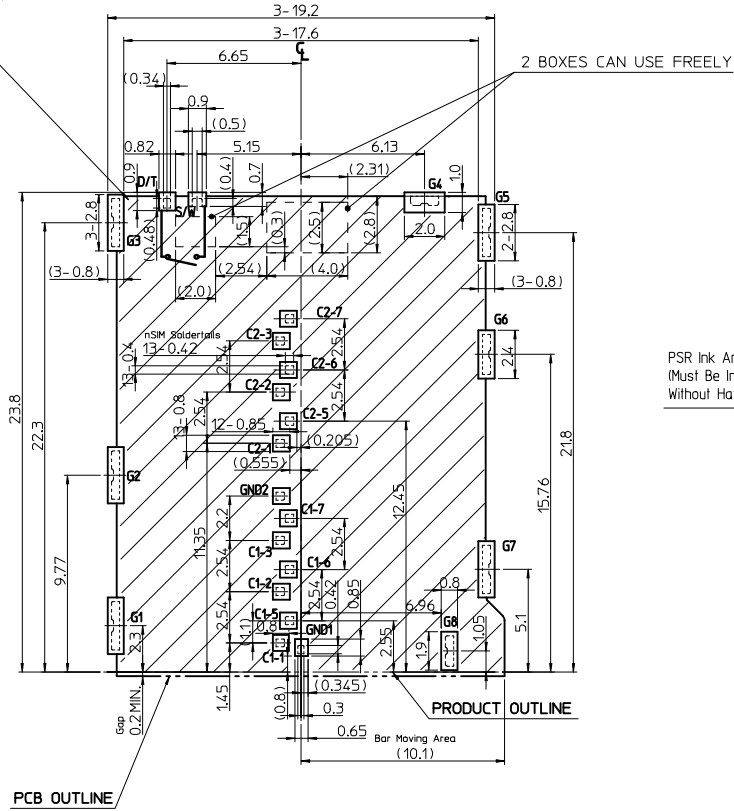
QUALITY SYMBOLS	DESCRIPTION
	2
	0

GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	
mm	INCH	MM ONLY	
4 PLACES	± ---	DRAWN BY	DATE
3 PLACES	± 0.12	EGKIM	2015/06/17
2 PLACES	± 0.12	CHECKED BY	DATE
1 PLACE	± 0.15	SHCHU	2015/06/17
0 PLACE	± 0.15	APPROVED BY	DATE
		YSKIM02	2015/10/16

SCALE	DESIGN UNITS	PART (ORDER NO.)	MATERIAL NO.
4/1	METRIC	104264-1211	1042641211
THIRD ANGLE PROJECTION		NANOSIM DUAL SOCKET BAR-PUSH TRAY TYPE 1.40H 6P/6P	
ANGULAR ± 1 °		molex	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE	SD-104264-001
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		MATERIAL NO.	SHEET NO.
			1 OF 6

NO TRACE/NO VIA (NO PATTERN AREA)

ALL INNER SPACES OF A SOCKET MUST BE AVOID THE PATTERN (NO TRACE/NO VIA/NO SIGNAL/NO GROUND) EXCEPT, SOLDER PATTERN AND GROUND PATTERN, SPECIALLY 3 BOXES AVAILABLE FOR FREE BECAUSE, SOCKET'S BOTTOM SURFACES ARE MADE OF METAL INCLUDING CONTACT TERMINALS'S MOVING AREA



RECOMMENDED PCB LAYOUT [FRONT VIEW]

(TOLERANCE ± 0.05)

[nanoSIM CARD PIN-MAP]

PIN NO.	DESCRIPTION
Main Card	(Recommended)
C1-1	C2-1 Vcc(Supply V)
C1-2	C2-2 RST(Reset)
C1-3	C2-3 CLK(Clock)
(C1-4)(C2-4)	NONE
C1-5	C2-5 GND(Ground)
C1-6	C2-6 Vpp(Program V)
C1-7	C2-7 I/O
(C1-8)(C2-8)	NONE

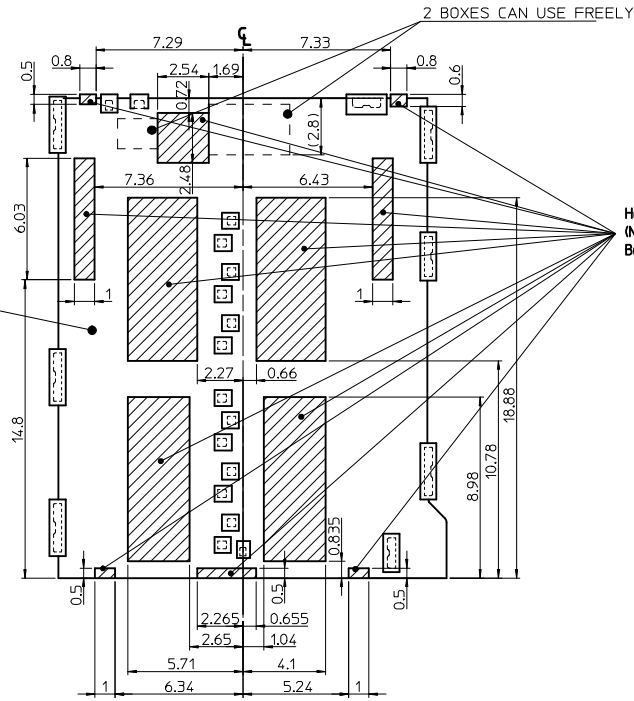
CAUTION
Please be careful when used the same metal mask(stencil) with single socket(3709-001883)
(Do not open the single socket metal mask's switch & Detect holes)

*There is only one Tray insertion/removal detection switch physically
Therefore, After Tray detection,
This product necessary to detect the SIM1 or SIM2 Card separately in software.

*This product has no
C4, C8 Contact terminal

G1-G8	GROUND or NOT CONNECT
S/W	TRAY DETECTOR
D/T	GND(Ground)
GND1/GND2	GROUND

PSR Ink Area
(Must Be Insulation Coating)
Without Hatching or Solder Area



SPECIAL PCB LAYOUT FOR CUSTOMER REQUEST [FRONT VIEW]

MINIMIZING THE NO(PROHIBITED) PATTERN AREA

(TOLERANCE ± 0.05)

Hatching Areas are Pattern Prohibition
(No Via/No Trace)
Because of Contact terminals moving

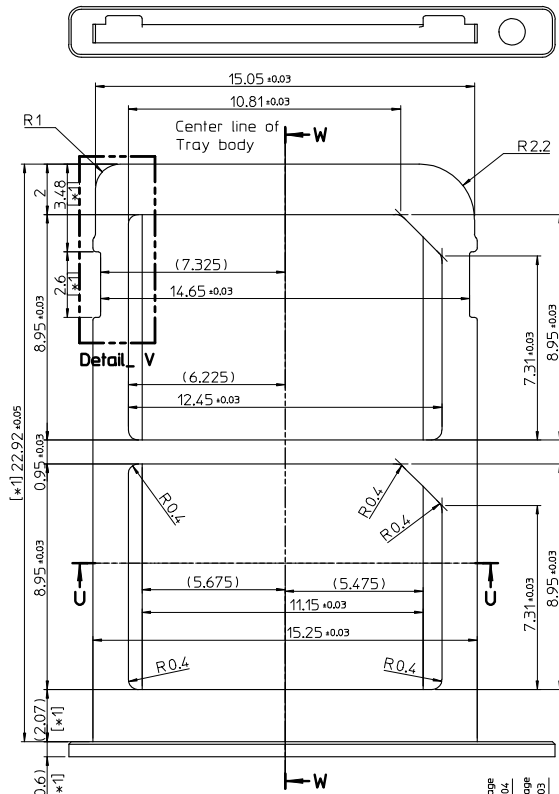
REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
			mm	INCH	MM ONLY	TITLE				
A1	SEE SHEET1 EC NO: KOR2017-0051 DRWN:HYOU 2017/05/10 CHKD: APPR:YSK1M02 2017/05/12	= 0 = 0	4 PLACES	± ---	± ---	DRAWN BY	DATE	4/1	METRIC	
			3 PLACES	± 0.12	± ---	EGK1M	2015/06/17			
			2 PLACES	± 0.12	± ---	CHECKED BY	DATE			
			1 PLACE	± 0.15	± ---	SHCHU	2015/06/17			
			0 PLACE	± 0.15	± ---	APPROVED BY	DATE			
			ANGULAR ± 1 °		YSK1M02		2015/10/16			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
					SEE SHEET1		SD-104264-001		2 OF 6	
					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

NANOSIM DUAL SOCKET
BAR-PUSH TRAY TYPE 1.40H
6P/6P

molex

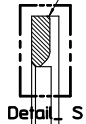
REFERENCE TRAY DRAWING

Molex shall not be responsible for any infringement to the extent such infringement is the result of (a) use of the Product(s) in combination with any other products not provided by Molex if the infringement would not have occurred but for such combination, (b) any alteration of modification of the Product(s) not undertaken or authorized by Molex if the infringement would not have occurred but for such alteration or modification, (c) Molex's compliance with Buyer's specifications if the infringement would not have occurred but for such compliance, or (d) Buyer's failure to comply with Molex's instructions regarded as necessary to render the Product(s) non-infringing if the infringement would not have occurred if Buyer would have complied with Molex's instructions



This critical dimension is related to tray detection switch timing in a socket

C0.07 or R0.1 ± 0.03

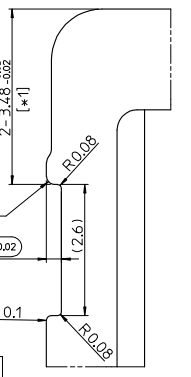
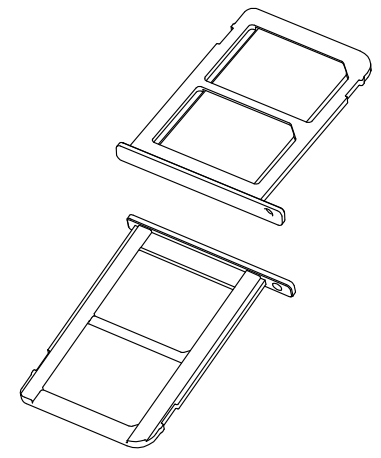
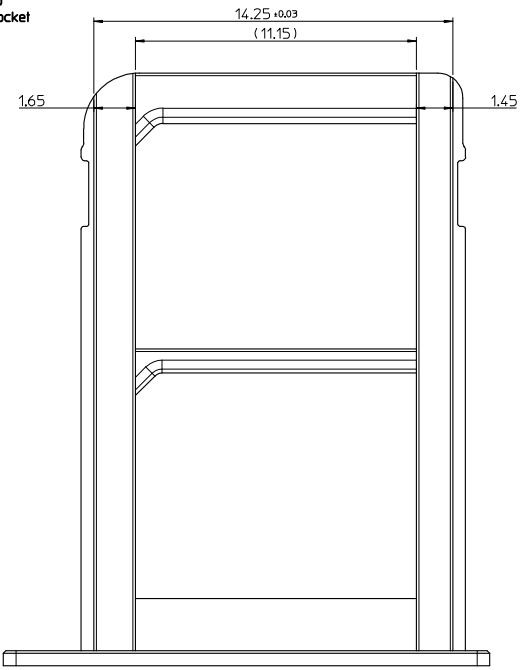


Detail_S



Detail_T

Section W-W



Detail_V (Scale 10/1)

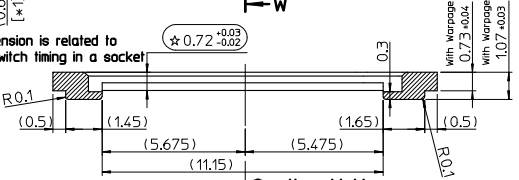
This critical dimension is related to the tray removal force

R0.15 ± 0.05

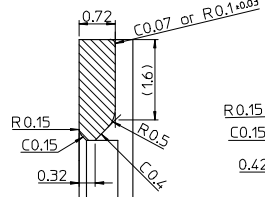
0.3 ± 0.02

This critical dimension is related to tray detection switch timing in a socket

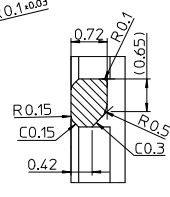
0.72 ± 0.03 / -0.02



Section U-U



Detail_S (Scale 10/1)



Detail_T (Scale 10/1)

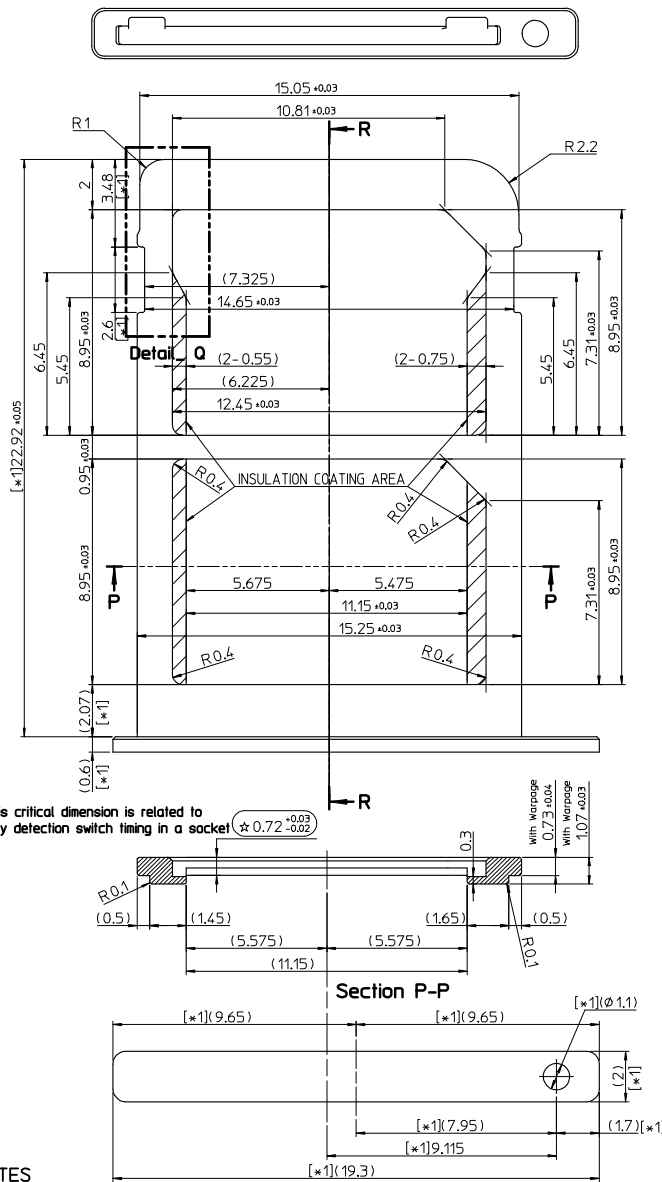
REFERENCE ONLY
There is a proposed drawing for concept, so the dimensions are subject to change without notice. Also, this model is tentative, and has the possibility of changing.

- NOTES
1. MATERIALS: PLASTIC
 2. SURFACE ROUGHNESS OF OUTSIDE OF TRAY : Ra = 0.54μm MAX.
 3. TOTAL WARPAGE 0.05MAX. CAN BE MEASURED BY GO/NO GAUGE
 4. [*1] : CUSTOMER CAN DECIDE THIS DIMENSIONS.

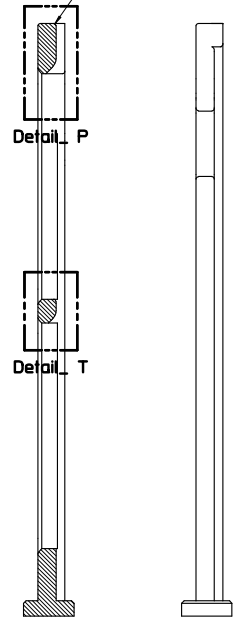
SEE SHEET1 EC NO: KOR2017-0051 DRWN:HYOU 2016/11/09 CHKD: APPR:YSK1M02 2017/05/12	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5/1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		mm	INCH	DRAWN BY EGK1M	DATE 2015/06/17	TITLE NANOSIM DUAL SOCKET BAR-PUSH TRAY TYPE 1.40H 6P/6P				
		4 PLACES ± --- ± ---	3 PLACES ± 0.12 ± ---	CHECKED BY SHCHU	DATE 2015/06/17	molex				
		2 PLACES ± 0.12 ± ---	1 PLACE ± 0.15 ± ---	APPROVED BY YSK1M02	DATE 2015/10/16					
0 PLACE ± 0.15 ± ---	ANGULAR ± 1 °		MATERIAL NO.	DOCUMENT NO.	SHEET NO.					
A1	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET1		SD-104264-001		3 OF 6		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

REFERENCE TRAY DRAWING

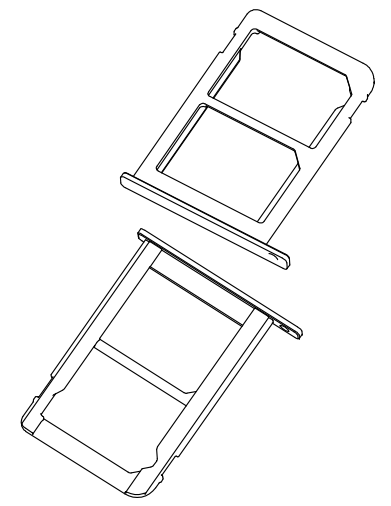
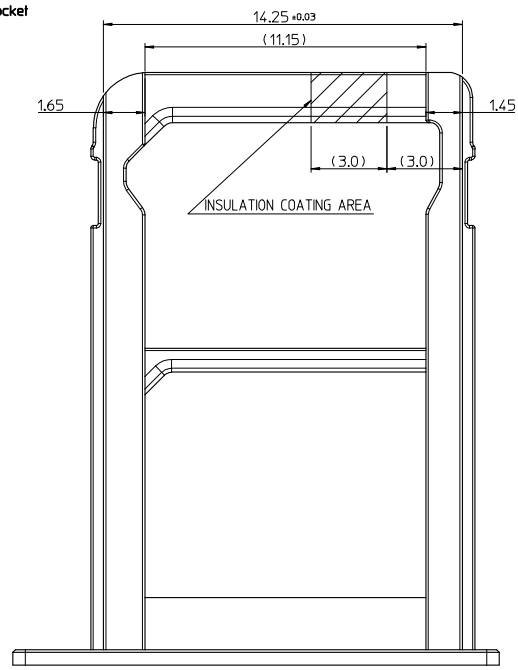
Molex shall not be responsible for any infringement to the extent such infringement is the result of (a) use of the Product(s) in combination with any other products not provided by Molex if the infringement would not have occurred but for such combination, (b) any alteration of modification of the Product(s) not undertaken or authorized by Molex if the infringement would not have occurred but for such alteration or modification, (c) Molex's compliance with Buyer's specifications if the infringement would not have occurred but for such compliance, or (d) Buyer's failure to comply with Molex's instructions regarded as necessary to render the Product(s) non-infringing if the infringement would not have occurred if Buyer would have complied with Molex's instructions



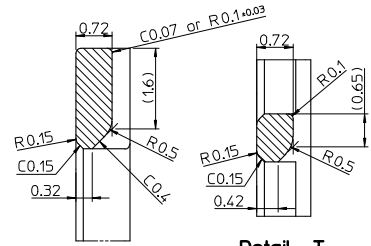
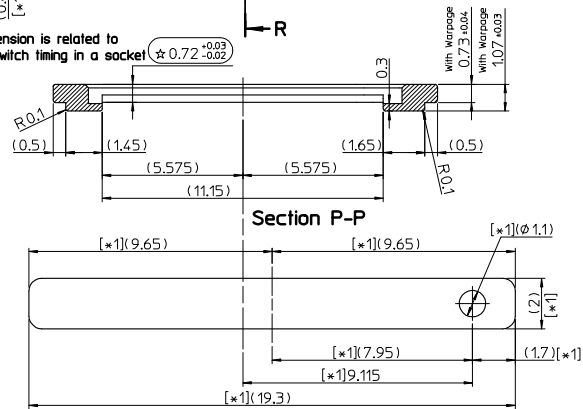
This critical dimension is related to tray detection switch timing in a socket
C0.07 or R0.1 ± 0.03



Section R-R

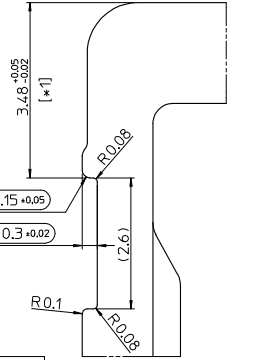


This critical dimension is related to tray detection switch timing in a socket
☆ 0.72 ± 0.03 / -0.02



Detail P (Scale 10/1)
Detail T (Scale 10/1)

These critical dimensions are related to the tray removal force
☆ R0.15 ± 0.05
☆ 0.3 ± 0.02



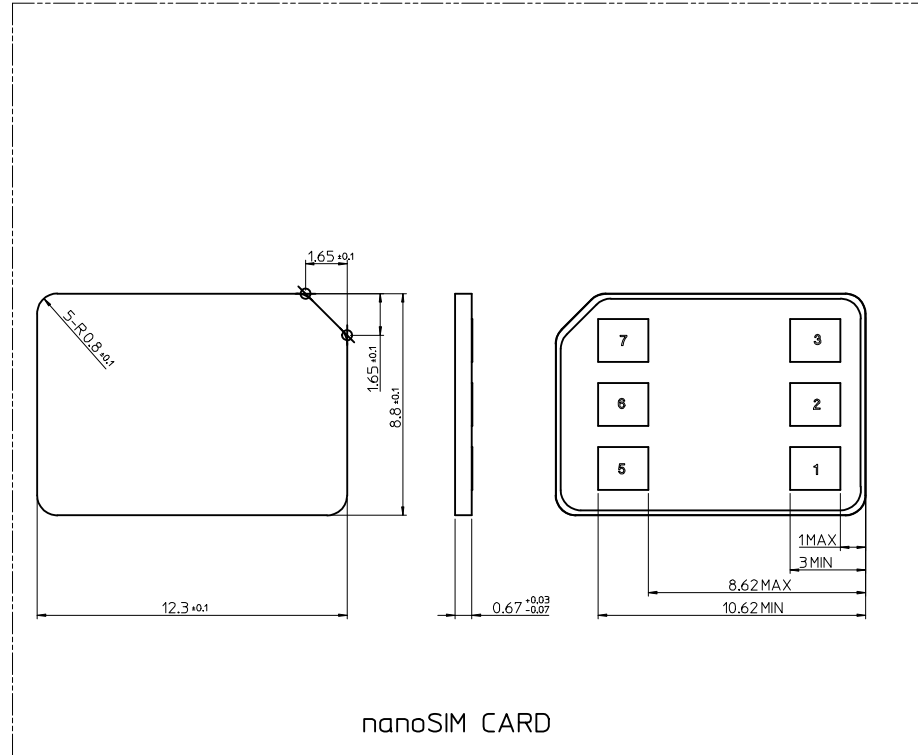
Detail Q (Scale 10/1)

REFERENCE ONLY
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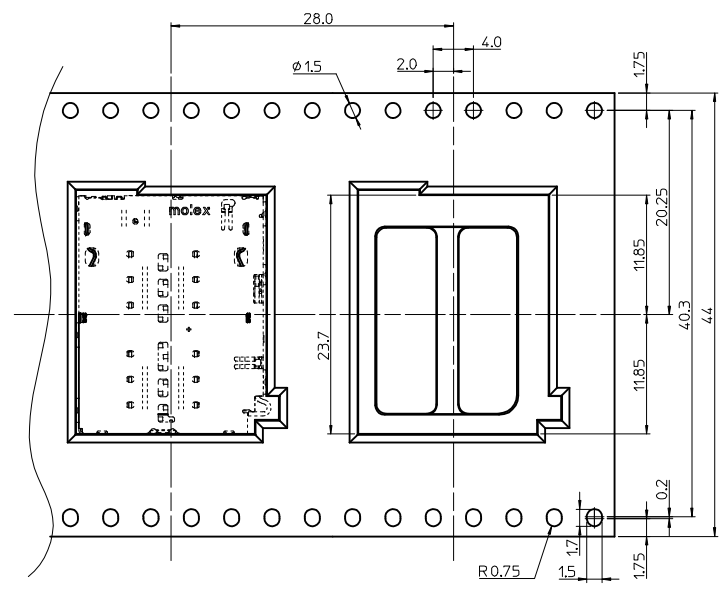
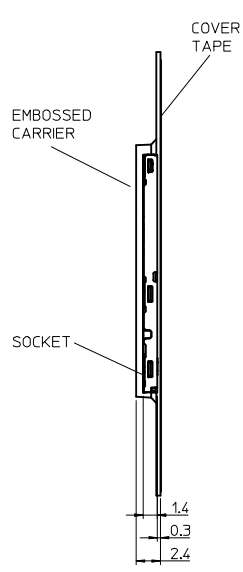
- NOTES
1. MATERIALS: METAL(YIELD STRENGTH 300MPa Min.)
 2. THESE DIMENSIONS ARE AFTER INSULATION COATING
 3. SURFACE ROUGHNESS OF OUTSIDE OF TRAY : Ra = 0.54μm MAX.
 4. TOTAL WARPAGE 0.05MAX. CAN BE MEASURED BY GO/NO GAUGE
 5. [*1] : CUSTOMER CAN DECIDE THIS DIMENSIONS.
 6. INSULATION COATING AREA(CONTACT AREA WITH CARD) : OVERALL 204μm MIN.

SEE SHEET1 EC NO: KOR2017-0051 DRWN:HYOU CHKD: APPR:YSK1M02	DESCRIPTION 2016/11/09 2017/05/12	QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
		▽=0		mm INCH		MM ONLY		5/1	METRIC	☉ □		
		4 PLACES	± ---	± ---	DRAWN BY	DATE	TITLE					
		3 PLACES	± 0.12	± ---	EGK1M	2015/06/17	NANOSIM DUAL SOCKET BAR-PUSH TRAY TYPE 1.40H 6P/6P molex					
2 PLACES	± 0.12	± ---	CHECKED BY	DATE								
1 PLACE	± 0.15	± ---	SHCHU	2015/06/17								
0 PLACE	± 0.15	± ---	APPROVED BY	DATE								
A1	REV	ANGULAR ± 1 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		SEE SHEET1		SEE SHEET1		SD-104264-001		4 OF 6				
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

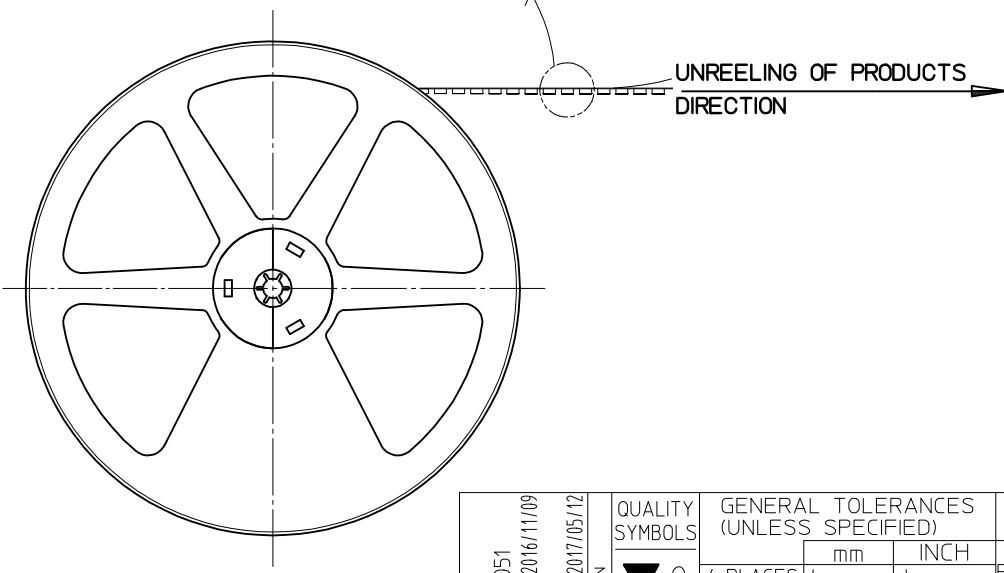
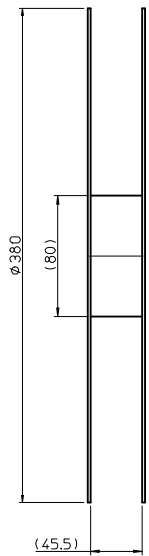
REFERENCE CARDS DRAWING



SEE SHEET1 EC NO: KOR2017-0051 DRWN:HYOU 2016/11/09 CHKD: APPR:YSK1M02 2017/05/12	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE 5/1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	$\nabla=0$ $\sphericalangle=0$	mm	INCH	DRAWN BY EGK1M	DATE 2015/06/17	TITLE NANOSIM DUAL SOCKET BAR-PUSH TRAY TYPE 1.40H 6P/6P molex
		4 PLACES \pm ---	\pm ---	CHECKED BY SHCHU	DATE 2015/06/17	
	3 PLACES \pm 0.12	\pm ---	APPROVED BY YSK1M02	DATE 2015/10/16		
2 PLACES \pm 0.12	\pm ---	MATERIAL NO.	DOCUMENT NO.			
1 PLACE \pm 0.15	\pm ---	ANGULAR \pm 1 °	SEE SHEET1	SD-104264-001	SHEET NO. 5 OF 6	
0 PLACE \pm 0.15	\pm ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

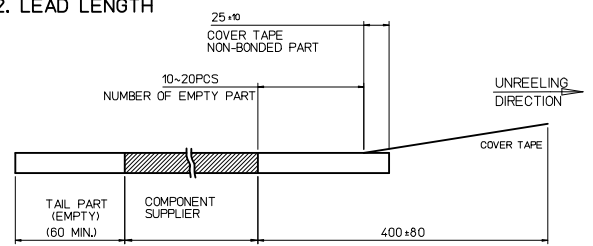


TOP VIEW OF EMBOSSSED CARRIER

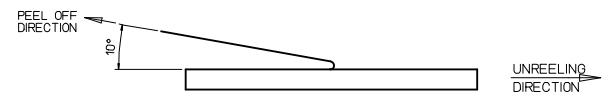


NOTES

- 1. QUANTITY OF PRODUCTS : 1,200 PCS / 1 REEL
- 2. LEAD LENGTH



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



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

SEE SHEET1 EC NO: KOR2017-0051 DRWN:HYOU 2016/11/09 CHKD: APPR:YSK1M02 2017/05/12	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE 2/1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																															
	▽=0 ▽=0	<table border="1"> <tr> <td></td> <td>mm</td> <td>INCH</td> </tr> <tr> <td>4 PLACES</td> <td>± 0.12</td> <td>± 0.005</td> </tr> <tr> <td>3 PLACES</td> <td>± 0.15</td> <td>± 0.006</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.20</td> <td>± 0.008</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.30</td> <td>± 0.012</td> </tr> <tr> <td>0 PLACE</td> <td>± 0.40</td> <td>± 0.016</td> </tr> </table>		mm	INCH	4 PLACES	± 0.12	± 0.005	3 PLACES	± 0.15	± 0.006	2 PLACES	± 0.20	± 0.008	1 PLACE	± 0.30	± 0.012	0 PLACE	± 0.40	± 0.016	<table border="1"> <tr> <td>DRAWN BY</td> <td>DATE</td> <td>TITLE</td> </tr> <tr> <td>EGK1M</td> <td>2015/06/17</td> <td rowspan="4">NANOSIM DUAL SOCKET BAR-PUSH TRAY TYPE 1.40H 6P/6P molex</td> </tr> <tr> <td>CHECKED BY</td> <td>DATE</td> </tr> <tr> <td>SHCHU</td> <td>2015/06/17</td> </tr> <tr> <td>APPROVED BY</td> <td>DATE</td> </tr> <tr> <td>YSK1M02</td> <td>2015/10/16</td> <td></td> </tr> </table>	DRAWN BY	DATE	TITLE	EGK1M	2015/06/17	NANOSIM DUAL SOCKET BAR-PUSH TRAY TYPE 1.40H 6P/6P molex	CHECKED BY	DATE	SHCHU	2015/06/17	APPROVED BY	DATE	YSK1M02	2015/10/16		DOCUMENT NO. SD-104264-001
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