

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

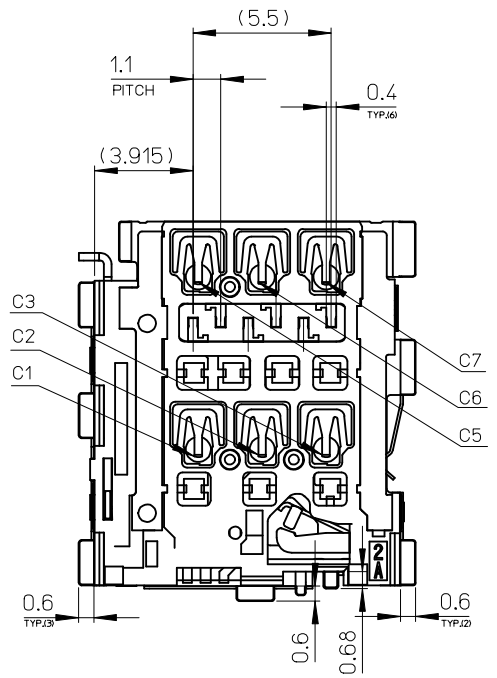
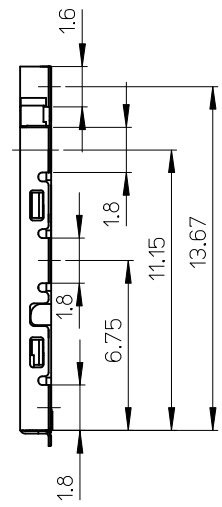
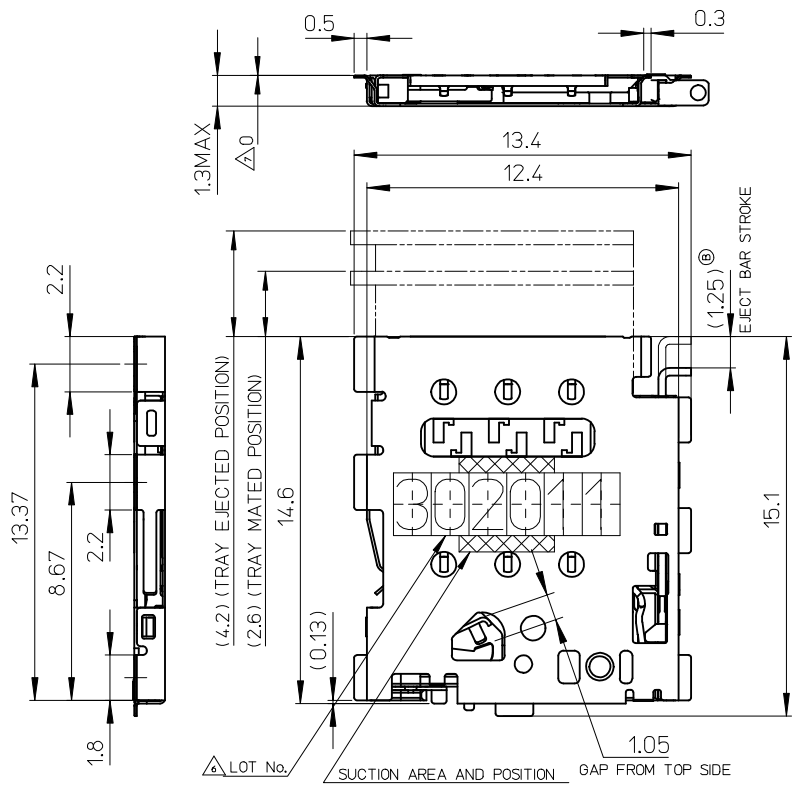
E

D

C

B

A



LOT No. : 3 0 2 0 1 1

THE LAST NUMBER OF YEAR

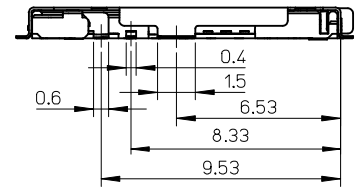
2 : 2012 MONTH DAY 01 - 31

3 : 2013 01 : JANUARY

4 : 2014 02 : FEBRUARY

LINE No. 0 : JAPAN 1-9 : DALIAN

12 : DECEMBER



PIN ASSIGNMENT

C1: Vcc
C2: RST
C3: CLK
C5: GND
C6: Vpp
C7: I/O

504520-0691 6

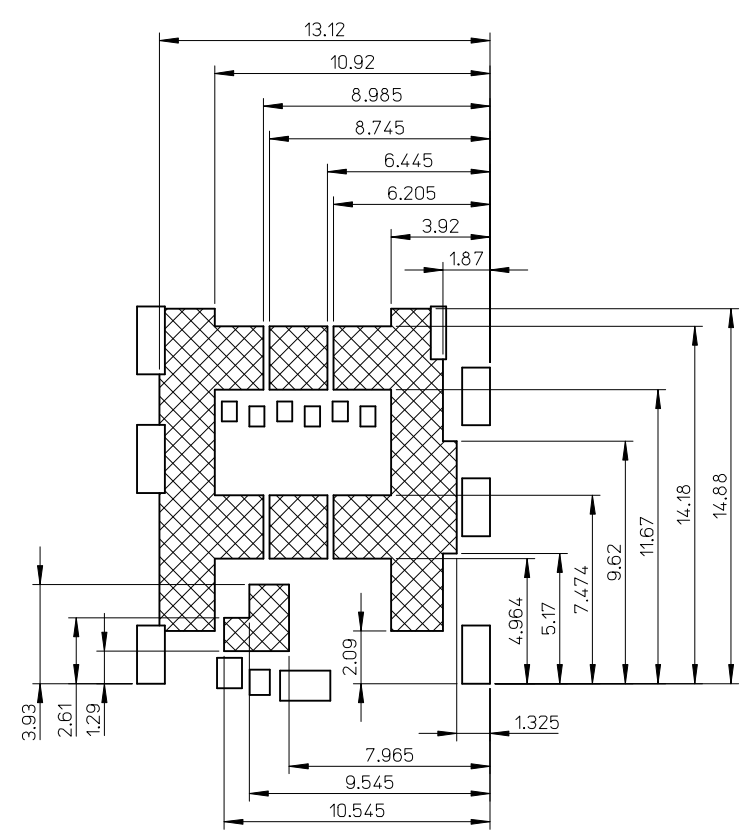
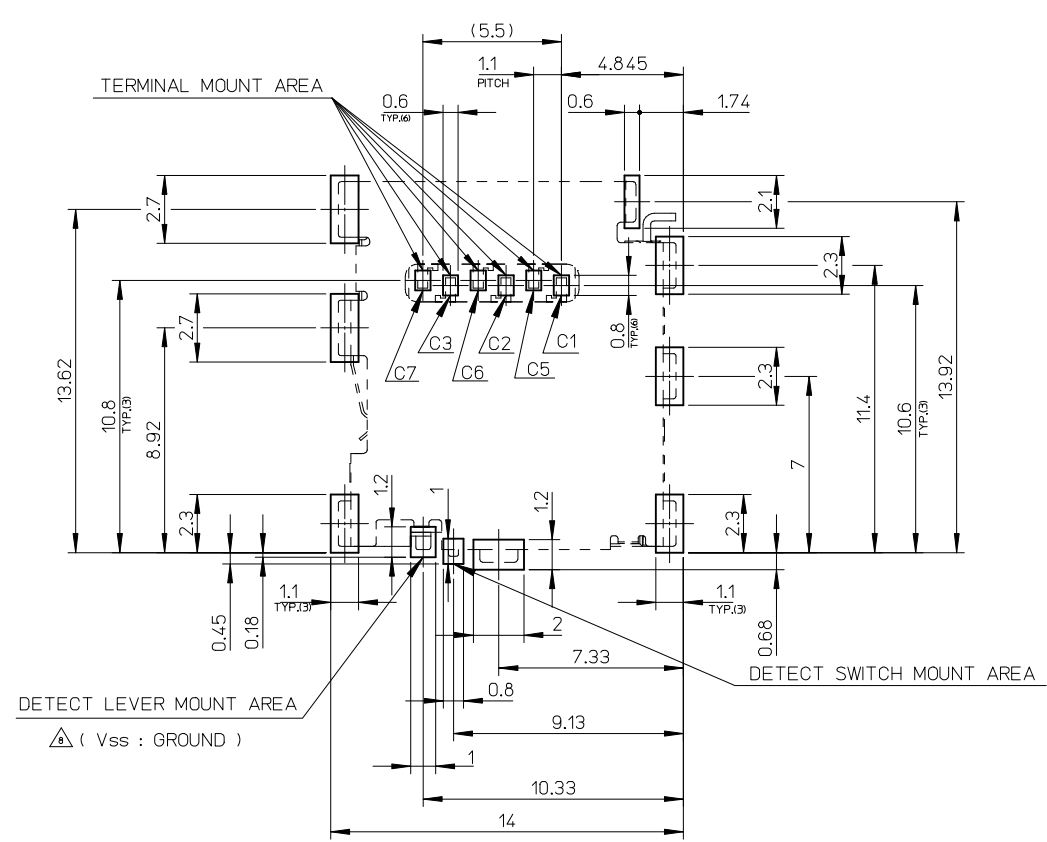
EMBOSSED PACKAGE CIRCUITS

ORDER NO.

CONNECTOR SERIES No. 504520-****

REVISED EC NO.: J2016-0153 DRAWN: MI SUGAYA 2015/05/14 CHKD: APPR: NUKITA 2015/08/19	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	0.25 UNDER	±0.03	DRAWN BY DATE MTAKASAKI 2013/03/05		TITLE NANO SIM CARD CONN. BAR-PUSH TYPE WITH TRAY ASSY			
DESCRIPTION REV	0.25 OVER	0.5 UNDER	±0.05	CHECKED BY DATE MTOMITA 2013/03/05		DOCUMENT NO. SD-504520-001		
	1.0 OVER	10 UNDER	±0.2	APPROVED BY DATE NUKITA 2014/02/21				
	30 OVER		±0.25	MATERIAL NO.		SHEET NO. 1 OF 4		
	ANGULAR	±1 °		SEE CHART				
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			

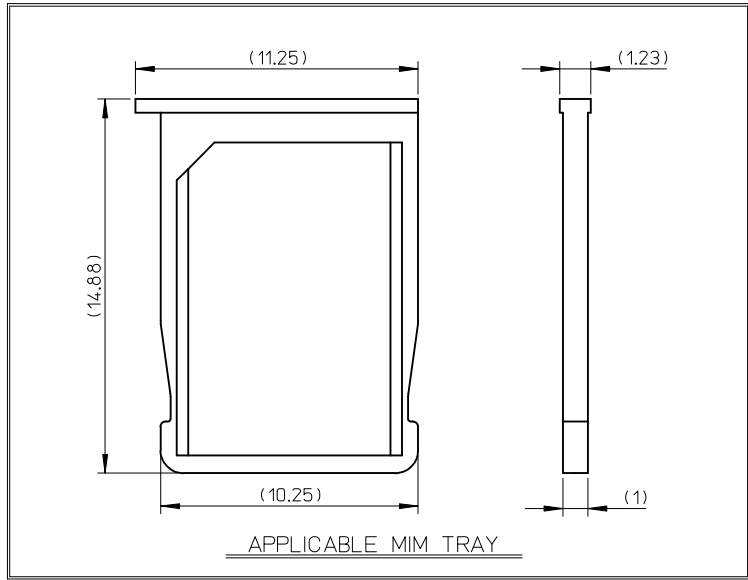
9 8 7 6 5 4 3 2 1



RECOMMENDED P.W.BOARD PATTERN LAYOUT
(TOLERANCE : ±0.05)

△ PATTERN KEEP OUT AREA
(TOLERANCE : ±0.05)

SEE SHEET 1 OF 4 EC NO: J2016-0153 DRWN: MISO GAYA 2015/05/14 CHKD: APPR: NUKITA 2015/08/19	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
	0.25 UNDER	±0.03	DRAWN BY MTAKASAKI		DATE 2013/03/05		TITLE NANO SIM CARD CONN. BAR-PUSH TYPE WITH TRAY ASSY			
	0.25 OVER	0.5 UNDER	±0.05	CHECKED BY MTOMITA		DATE 2013/03/05				
	0.5 OVER	1.0 UNDER	±0.1	APPROVED BY NUKITA		DATE 2014/02/21		DOCUMENT NO. SD-504520-001 SHEET NO. 2 OF 4		
	1.0 OVER	30 UNDER	±0.2	MATERIAL NO.		SEE CHART				
30 OVER	±0.3	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				



No.	NAME	MATERIAL	FINISH
①	HOUSING	LIQUID CRYSTAL POLYMER UL94V-0, BLACK	N/A
②	TERMINAL	COPPER ALLOY (C52100 EH)	CONTACT AREA : GOLD 0.2 MICROMETER MINIMUM TAIL AREA : SEPARATED GOLD PLATING 0.02 MICROMETER MINIMUM UNDER PLATING : NICKEL 1.0 MICROMETER MINIMUM
③	SHELL	STAINLESS STEEL (SUS304 3/4H)	NAIL AREA : SEPARATED GOLD PLATING 0.02 MICROMETER MINIMUM UNDER PLATING : NICKEL 1.0 MICROMETER MINIMUM
④	DETECT SWITCH	COPPER ALLOY (C52100 EH)	CONTACT AREA : GOLD 0.2 MICROMETER MINIMUM TAIL AREA : SEPARATED GOLD PLATING 0.02 MICROMETER MINIMUM UNDER PLATING : NICKEL 1.0 MICROMETER MINIMUM
⑤	DETECT LEVER	COPPER ALLOY (C52100 EH)	CONTACT AREA : GOLD 0.2 MICROMETER MINIMUM TAIL AREA : SEPARATED GOLD PLATING 0.02 MICROMETER MINIMUM UNDER PLATING : NICKEL 1.0 MICROMETER MINIMUM
⑥	EJECT BAR	STAINLESS STEEL (SUS304 3/4H)	N/A
⑦	EJECT LEVER	STAINLESS STEEL (SUS304 3/4H)	N/A
⑧	HOOK	STAINLESS STEEL (SUS304 3/4H)	N/A

NOTES :

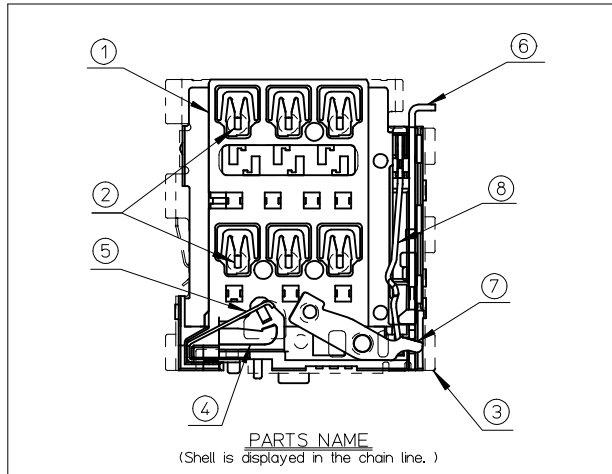
1. TERMINAL AND NAIL COPLANARITY TO BE 0.08 MAXIMUM. (FROM GAUGE PLANE)
2. DETECT SWITCH FUNCTION
4. (DIMENSION) : REFERENCE VALUE (IT IS A NOT A MANAGEMENT DIMENSION)
5. ELV & RoHS COMPLIANT.

NO TRAY	OPEN
TRAY EJECTED POSITION	OPEN
TRAY MATED POSITION	CLOSE

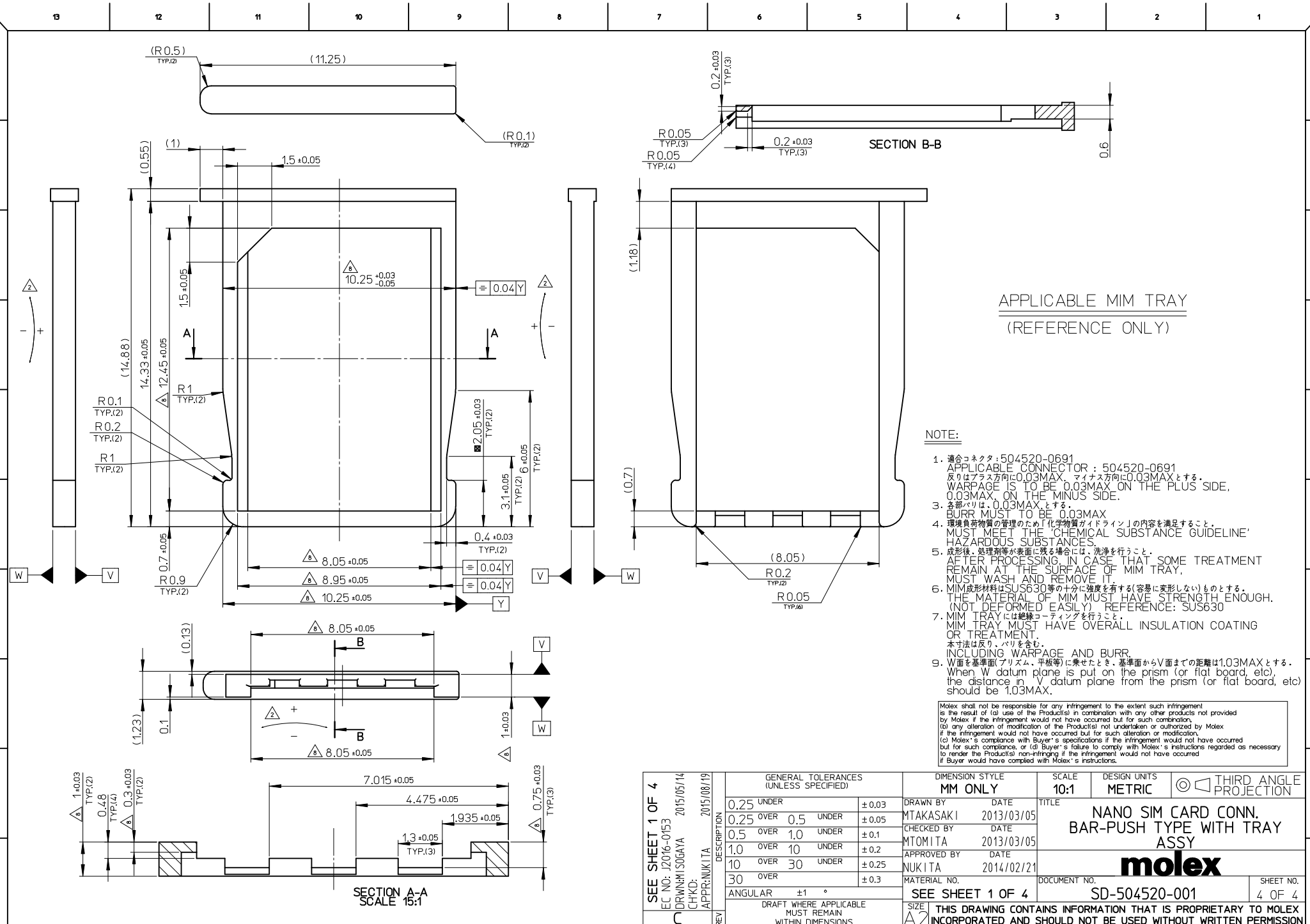
△ PATTERN KEEP OUT AREA DIMENSION

- △ LOT NUMBERING
- △ STAND-OFF DIMENSION (STAND-OFF DIMENSION IS INCLUDED IN THE CONNECTOR TOTAL HEIGHT)
- △ DETECT LEVER SHOULD BE GROUND (V_{SS}) BECAUSE ELECTRIC POTENTIAL OF DETECT LEVER MAY BE EQUAL TO IT OF SHELL.

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 or 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.



REV	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
		UNDER	OVER	MM ONLY	DATE	5:1	METRIC	□	
1	DRWN:MI SOGAYA 2015/05/14	0.25	±0.03	DRAWN BY	DATE	TITLE	NANO SIM CARD CONN. BAR-PUSH TYPE WITH TRAY ASSY molex DOCUMENT NO. SD-504520-001 SHEET NO. 3 OF 4		
2	CHKD: NUKITA 2015/08/19	0.25 OVER 0.5 UNDER	±0.05	CHECKED BY	DATE				
3	APPR: NUKITA 2015/08/19	0.5 OVER 1.0 UNDER	±0.1	APPROVED BY	DATE				
4		1.0 OVER 10 UNDER	±0.2	DATE	2014/02/21				
5		10 OVER 30 UNDER	±0.25	MATERIAL NO.					
6		30 OVER	±0.3	SEE SHEET 1 OF 4					
		ANGULAR	±1 °	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



APPLICABLE MIM TRAY
(REFERENCE ONLY)

NOTE:

- 適合コネクタ: 504520-0691
APPLICABLE CONNECTOR: 504520-0691
反りはプラス方向に0.03MAX、マイナス方向に0.03MAXとする。
WARPAGE IS TO BE 0.03MAX ON THE PLUS SIDE,
0.03MAX ON THE MINUS SIDE.
- 各部バリは、0.03MAXとする。
BURR MUST BE 0.03MAX
- 環境負荷物質の管理のため「化学物質ガイドライン」の内容を満足すること。
MUST MEET THE 'CHEMICAL SUBSTANCE GUIDELINE'
HAZARDOUS SUBSTANCES.
- 成形後、処理跡が表面に残る場合は、洗浄を行うこと。
AFTER PROCESSING, IN CASE THAT SOME TREATMENT
REMAIN AT THE SURFACE OF MIM TRAY,
MUST WASH AND REMOVE IT.
- MIM成形材料はSUS630等の十分に強度を有する(容易に変形しない)ものとする。
THE MATERIAL OF MIM MUST HAVE STRENGTH ENOUGH.
(NOT DEFORMED EASILY) REFERENCE: SUS630
- MIM TRAYには絶縁コーティングを行うこと。
MIM TRAY MUST HAVE OVERALL INSULATION COATING
OR TREATMENT.
本寸法は反り、バリを含む。
INCLUDING WARPAGE AND BURR.
- W面を基準面(プリズム、平板等)に乗せたとき、基準面からV面までの距離は1.03MAXとする。
When W datum plane is put on the prism (or flat board, etc),
the distance in V datum plane from the prism (or flat board, etc)
should be 1.03MAX.

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 or 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.

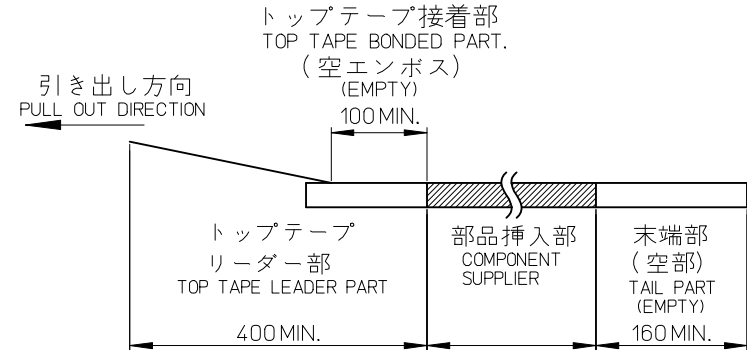
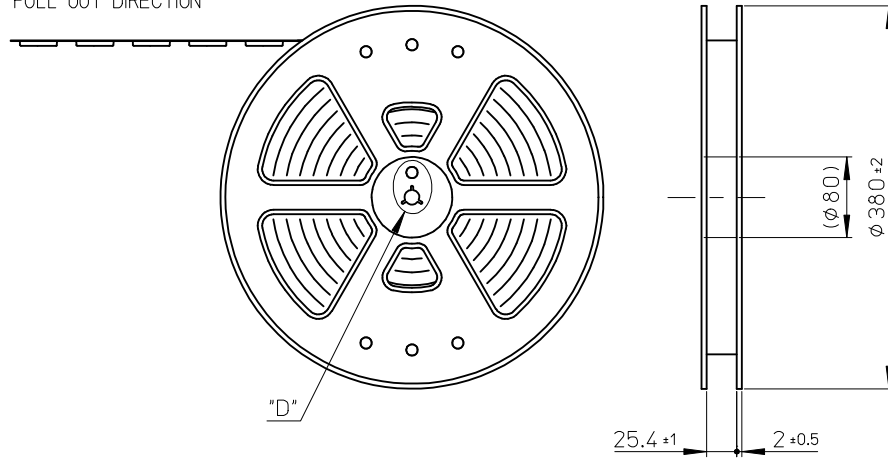
SECTION A-A
SCALE 15:1

SEE SHEET 1 OF 4 EC NO: J2016-0153 DRWN: MISOGAWA 2015/05/14 CHKD: APPR: NUKITA 2015/08/19	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	0.25 UNDER	± 0.03	DRAWN BY MTAKASAKI		DATE 2013/03/05	TITLE NANO SIM CARD CONN. BAR-PUSH TYPE WITH TRAY ASSY	
0.25 OVER	± 0.05	CHECKED BY MTOMITA		DATE 2013/03/05			
0.5 OVER	± 0.1	APPROVED BY NUKITA		DATE 2014/02/21			
1.0 OVER	± 0.2	MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
10 OVER	± 0.25	SEE SHEET 1 OF 4		SD-504520-001		4 OF 4	
30 OVER	± 0.3	SIZE A2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
ANGULAR	± 1 °	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					

NOTES

- 製品詳細寸法については、SD 図面を参照下さい。
RE DETAILED DIMENSION, SEE SALES DRAWING.
- 梱包数量：1900 個／リール
NUMBER OF CONNECTORS：1900 PCS/REEL.
- リードテープ長さ LEAD TAPE LENGTH.

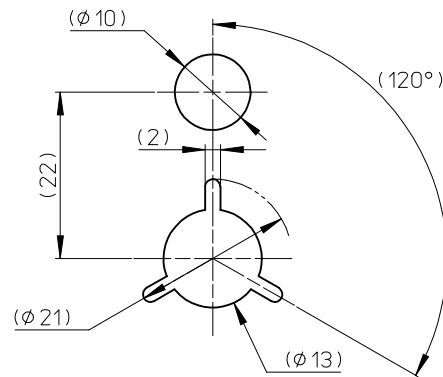
引き出し方向
PULL OUT DIRECTION



- トップテープの剥離強度については、IEC60286-3 に準拠
TOP TAPE PEEL FORCE IS DEFINED BY IEC60286-3

5. 材料 MATERIAL

キャリアテープ (CARRIER TAPE)：ポリスチレン (POLYSTYRENE)
 トップテープ (TOP TAPE)：PET, PE, PEF
 リール (REEL)：ポリスチレン (PS) <リサイクル材含む>
 POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>



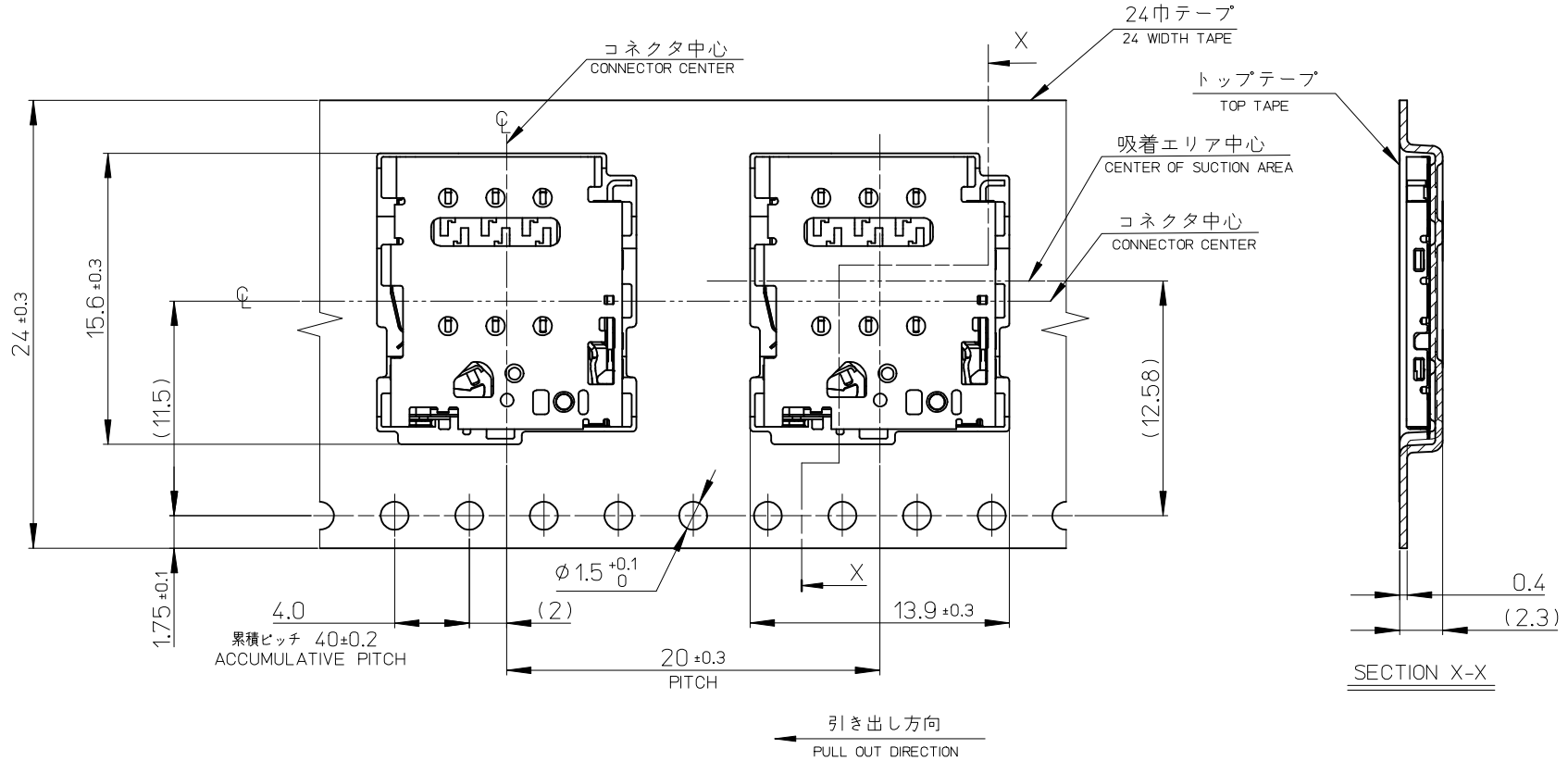
DETAIL "D"

The dimensions are subject to change without notice.
This model has the possibility of changing.

504520-0691	6
EMBOSSED PACKAGE	極数
オーダー番号 ORDER NO.	CIRCUITS
CONNECTOR SERIES No. 504520-****	

RELEASED EC NO.: J2014-1272 DRWN: YMORINAGA 2014/02/19 CHKD: TKUSUHARA01 2014/02/19 APPR: NUKITA 2014/02/21 REV: A	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	10 UNDER ±0.2 10 OVER 30 UNDER ±0.25 30 OVER ±0.3	DRAWN BY YMORINAGA	DATE 2014/02/19	TITLE NANO SIM CARD CONN. BAR-PUSH TYPE WITH TRAY EMBOSSED TAPE PACKAGE		
	ANGULAR ±1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	CHECKED BY TKUSUHARA01	DATE 2014/02/19	DOCUMENT NO. SD-504520-002		
		APPROVED BY NUKITA	DATE 2014/02/21	SHEET NO. 1 OF 2		

SEE CHART
 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
 INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



The dimensions are subject to change without notice.
This model has the possibility of changing.

SEE SHEET 1 OF 2 EC NO: J2014-1272 DRWN: YMORINAGA 2014/02/19 CHKD: TKUSUHARA01 2014/02/19 APPR: NUKITA 2014/02/21	DESCRIPTION REV A	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY YMORINAGA	DATE 2014/02/19	TITLE NANO SIM CARD CONN. BAR-PUSH TYPE WITH TRAY EMBOSSSED TAPE PACKAGE				
		10 OVER 30 UNDER	± 0.25	CHECKED BY TKUSUHARA01	DATE 2014/02/19	molex				
		30 OVER	± 0.3	APPROVED BY NUKITA	DATE 2014/02/21					
ANGULAR ± 1 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE SHEET 1 OF 2		DOCUMENT NO. SD-504520-002		SHEET NO. 2 OF 2		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										