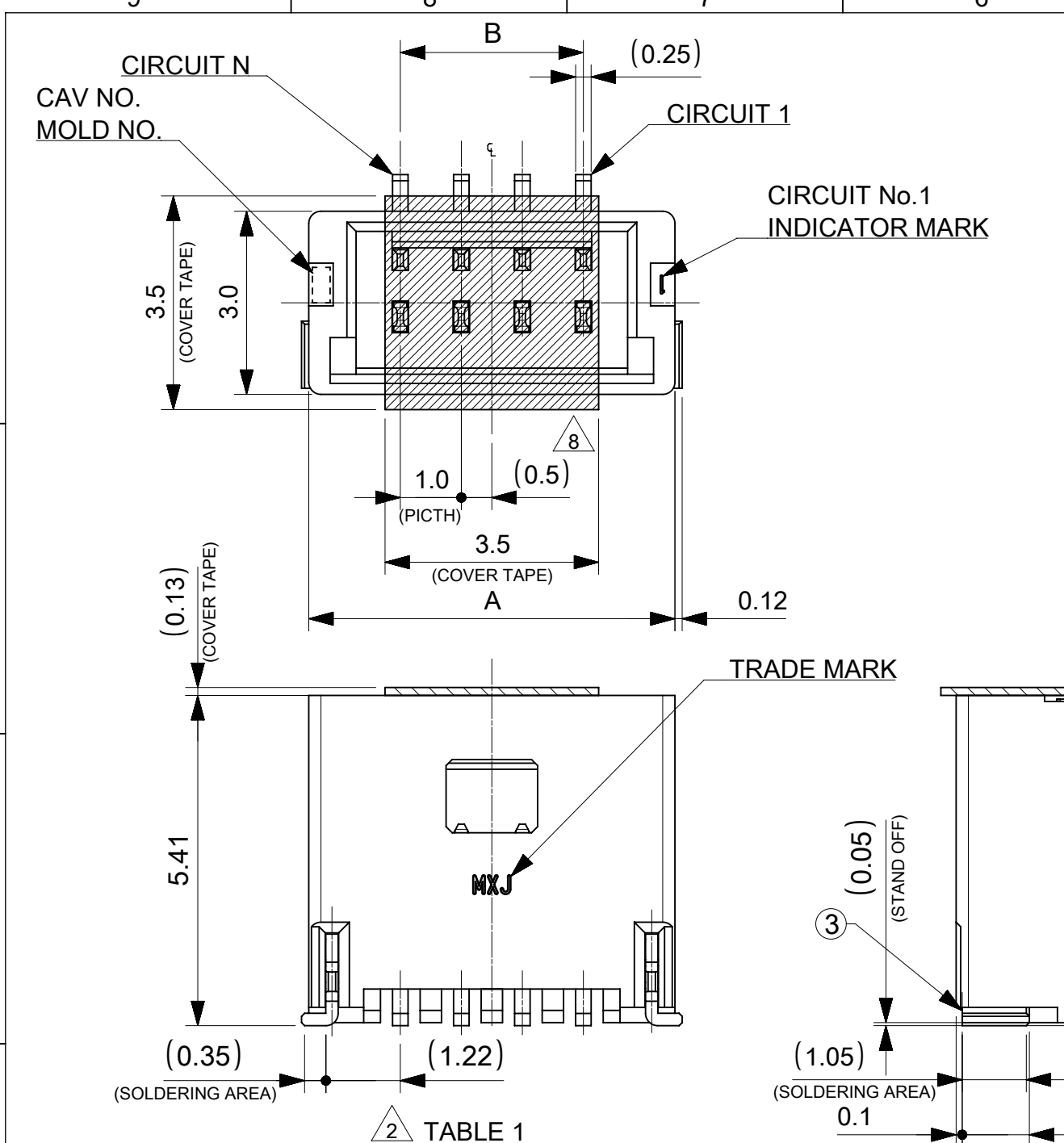




番号 NO.	部品 PART	材質 MATERIAL	
①	ウエハー WAFER	ポリアミド(PA), ガラス充填, UL94V-0, LOW HALOGEN, 色 : SEE SHEET 6 POLYAMIDE(PA), GLASS FILLED, UL94V-0, LOW HALOGEN, COLOR : SEE SHEET 6	
②	溶ダーピン SOLDER PIN	リン青銅 PHOSPHOR BRONZE	
		接点部 CONTACT AREA	金めっき : めっき厚はNOTES 10参照 GOLD PLATING : SEE NOTES 10 ABOUT THICKNESS
		テール部 TAIL AREA	金めっき GOLD PLATING
		下地めっき UNDER PLATING	ニッケルめっき : 1.0 MICRO-METER MIN NICKEL PLATING
③	ネイル NAIL	リン青銅 PHOSPHOR BRONZE	
		テール部 TAIL AREA	錫めっき : 1.0 MICRO-METER MIN MATTE TIN PLATING
		下地めっき UNDER PLATING	ニッケルめっき : 1.0 MICRO-METER MIN NICKEL PLATING
④	カバーテープ COVER TAPE	ポリイミドテープ POLYIMIDE TAPE	
DOCUMENT STATUS		P1	RELEASE DATE 2019/12/25 07:30:31

NOTES

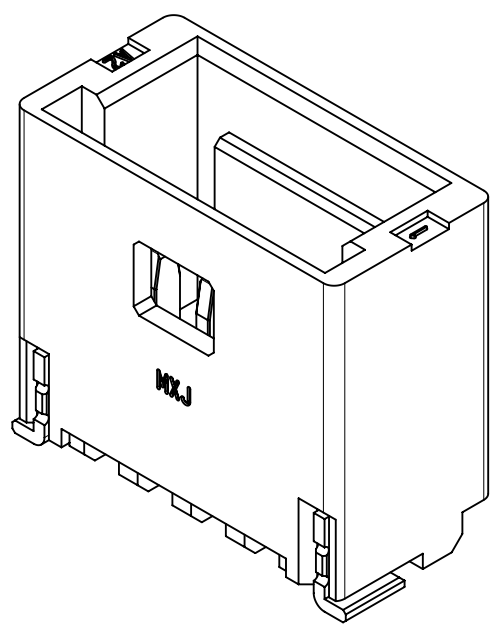
1. 本製品は極数によって、ロック形状が変わりますので御注意願います。
THE LOCK SHAPE OF THIS PRODUCT CHANGES ACCORDING TO THE NUMBER OF CIRCUIT.
2~5 CIRCUITS : フリクションロック FRICTION LOCK
6~15 CIRCUITS : インナーポジティブロック INNER POSITIVE LOCK
2. 材料及び仕上げ(めっき仕様) : TABLE 1,2 参照
MATERIAL AND FINISHES : SEE TABLE 1 AND 2
3. 製品仕様書 : 5013300000-PS PS 004
PRODUCT SPECIFICATION:
4. 梱包形態 : SEE SHEET 4
PACKAGING INFORMATION:
5. 嵌合相手 : 501330 シリーズ
MATES WITH:501330 SERIES
6. アプリケーション仕様書(コネクタ取扱い説明書) : 5013300000-AS PS 001
APPLICATION SPECIFICATION(CONNECTOR MANUAL):
7. ソルダーピン及びネイルの平坦度:0.1 MAX
SOLDER PIN AND NAIL COPLANARITY: 0.1 MAX
8. 偶数極に適用
APPLY FOR EVEN CIRCUIT
9. 錫めっき品は2083810000-SD PSD 001の図面を御参照下さい。
PLEASE REFER TO THE DRAWING OF 2083810000-SD PSD 001 FOR TIN PLATING VERSION.

製品番号構成 : 発注番号はSHEET 6 参照
PRODUCT NUMBER COMPOSITION
ORDER No. : SEE SHEET 6

208381 ** * *

極数 CIRCUIT SIZE	ハウジングカラー HOUSING COLOR	製品識別番号(めっき厚) IDENTIFICATION NUMBER (PLATING THICKNESS)
	0:NATURAL(BEIGE)	7: 0.1 MICRO-METER MIN
	1:BLACK	5: 0.38 MICRO-METER MIN
		3: 0.76 MICRO-METER MIN

4.0	7.0	5
3.0	6.0	4
2.0	5.0	3
1.0	4.0	2
B	A	極数 CIRCUIT SIZE



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
mm	NTS

GENERAL TOLERANCES
(UNLESS SPECIFIED)

ANGULAR TOL	± 3.0 °
4 PLACES	± 0.2
3 PLACES	± 0.2
2 PLACES	± 0.2
1 PLACE	± 0.2
0 PLACES	± 0.2

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 626442
DRWN: AISHIKAWA 2019/06/21
CHK'D: AIDA 2019/12/25
APPR: SAKIYAMA 2019/12/25

INITIAL REVISION:
DRWN: AISHIKAWA 2019/06/21
APPR: SAKIYAMA 2019/12/25

THIRD ANGLE PROJECTION

DRAWING
A3-SIZE

SERIES
208381

molex

PICO-CLASP 1.0 W/B
SINGLE ROW VT SMT INNER LOCK GOLD PLATING
LOW HALOGEN

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER
2083810000-SD

DOC TYPE
PSD

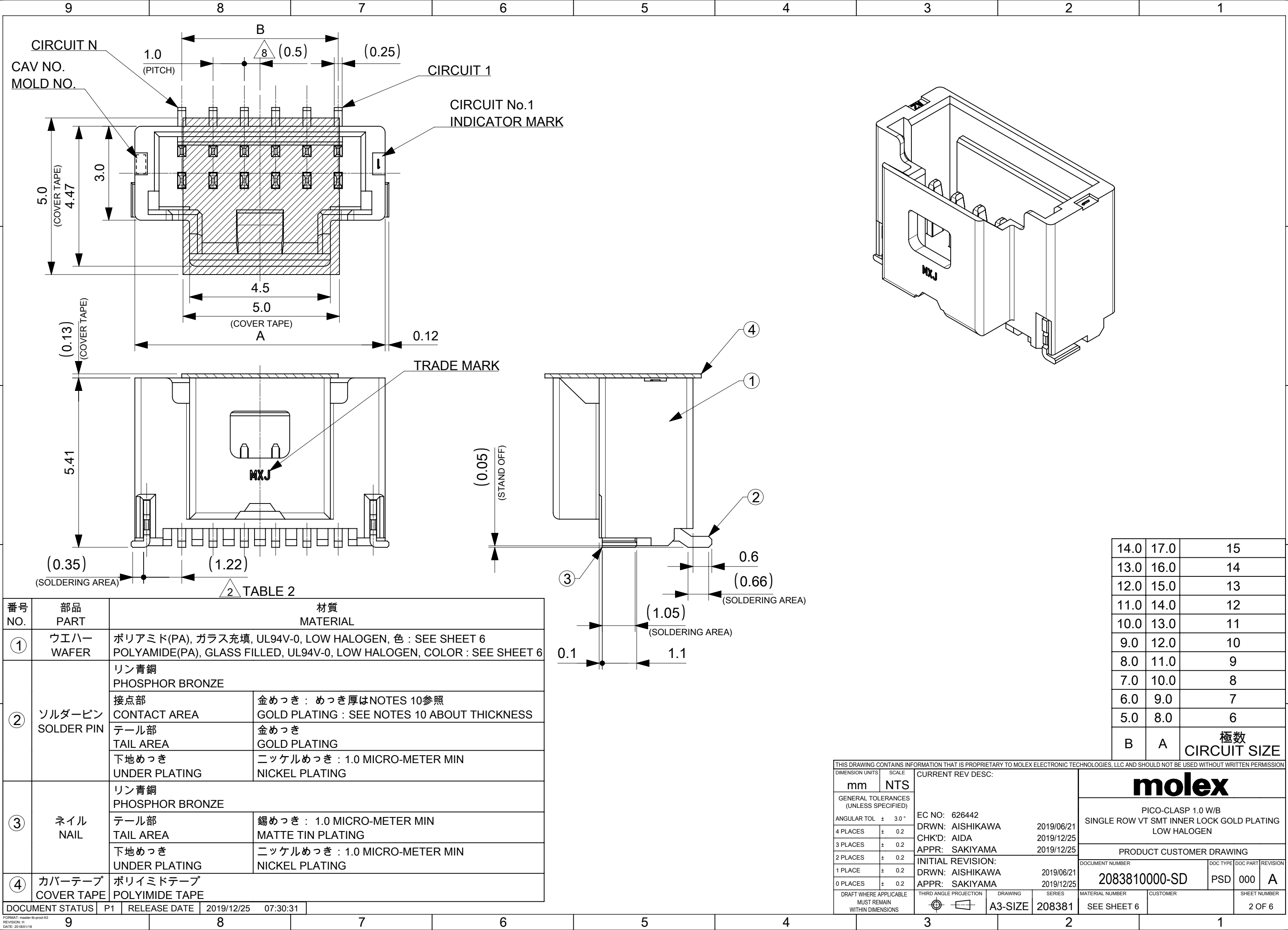
DOC PART
000

REVISION
A

MATERIAL NUMBER
SEE SHEET 6

CUSTOMER

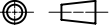
SHEET NUMBER
1 OF 6

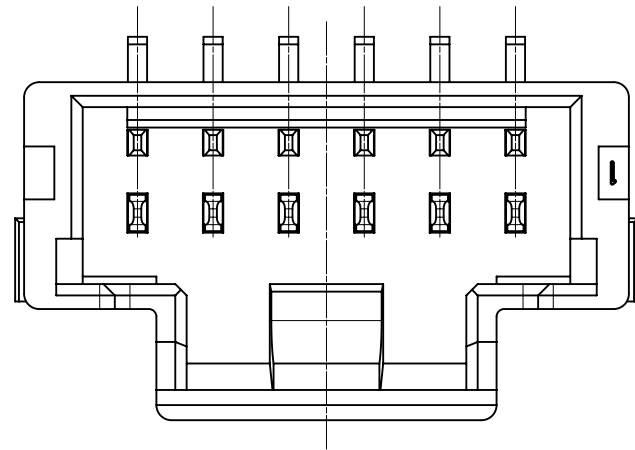


番号 NO.	部品 PART	材質 MATERIAL	
①	ウエハー WAFER	ポリアミド(PA), ガラス充填, UL94V-0, LOW HALOGEN, 色 : SEE SHEET 6 POLYAMIDE(PA), GLASS FILLED, UL94V-0, LOW HALOGEN, COLOR : SEE SHEET 6	
②	ソルダーピン SOLDER PIN	リン青銅 PHOSPHOR BRONZE	
		接点部 CONTACT AREA	金めっき : めっき厚はNOTES 10参照 GOLD PLATING : SEE NOTES 10 ABOUT THICKNESS
		テール部 TAIL AREA	金めっき GOLD PLATING
③	ネイル NAIL	リン青銅 PHOSPHOR BRONZE	
		テール部 TAIL AREA	錫めっき : 1.0 MICRO-METER MIN MATTE TIN PLATING
		下地めっき UNDER PLATING	ニッケルめっき : 1.0 MICRO-METER MIN NICKEL PLATING
④	カバーテープ COVER TAPE	ポリイミドテープ POLYIMIDE TAPE	

DOCUMENT STATUS	P1	RELEASE DATE	2019/12/25	07:30:31
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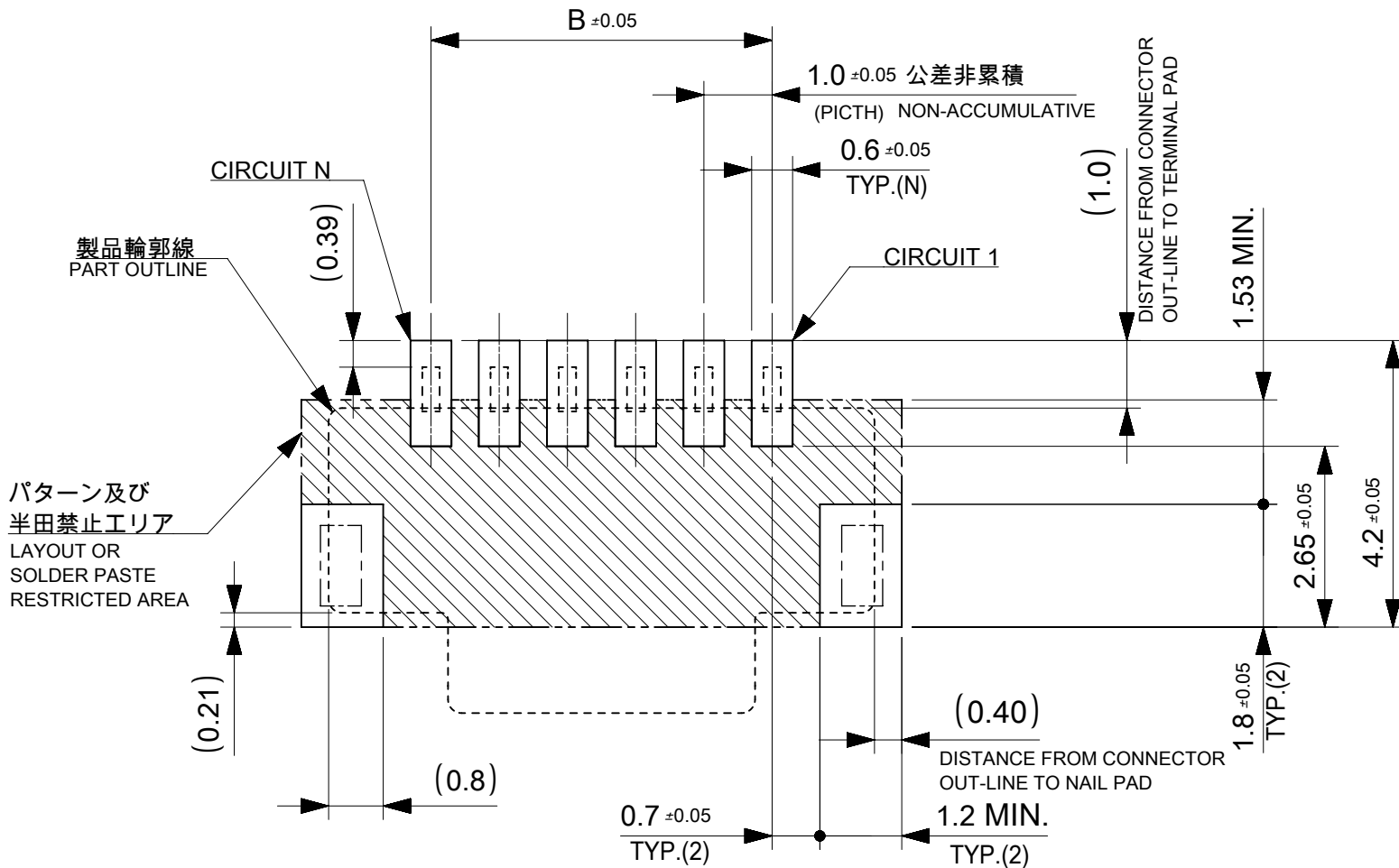
14.0	17.0	15
13.0	16.0	14
12.0	15.0	13
11.0	14.0	12
10.0	13.0	11
9.0	12.0	10
8.0	11.0	9
7.0	10.0	8
6.0	9.0	7
5.0	8.0	6
B	A	極数 CIRCUIT SIZE

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DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex		
mm	NTS								
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 626442 DRWN: AISHIKAWA 2019/06/21 CHK'D: AIDA 2019/12/25 APPR: SAKIYAMA 2019/12/25			PICO-CLASP 1.0 W/B SINGLE ROW VT SMT INNER LOCK GOLD PLATING LOW HALOGEN				
ANGULAR TOL ± 3.0 °									
4 PLACES ± 0.2	PRODUCT CUSTOMER DRAWING								
3 PLACES ± 0.2	DOCUMENT NUMBER				DOC TYPE	DOC PART	REVISION		
2 PLACES ± 0.2	2083810000-SD				PSD	000	A		
1 PLACE ± 0.2	INITIAL REVISION:		MATERIAL NUMBER			CUSTOMER		SHEET NUMBER	
0 PLACES ± 0.2	DRWN: AISHIKAWA 2019/06/21 APPR: SAKIYAMA 2019/12/25								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		SEE SHEET 6	
		A3-SIZE		208381				2 OF 6	



製品レイアウト(参考 : 6~15 CIRCUITS)
PRODUCT LAYOUT(REFERENCE: 6~15 CIRCUITS)

5 嵌合相手 : 501330 シリーズ
MATE WITH : 501330 SERIES

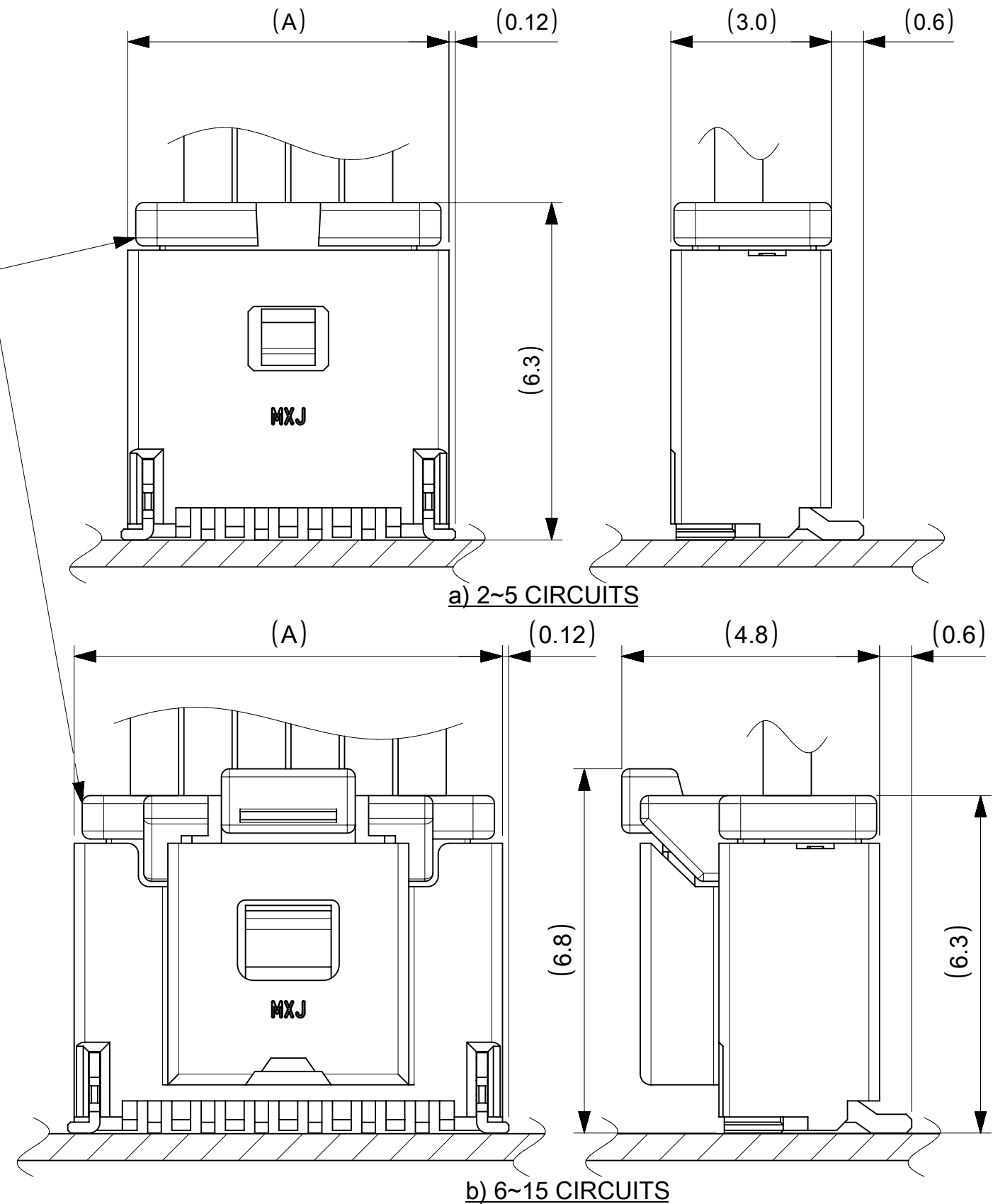


推奨基板レイアウト(全極数適応) : 実装面側
(参考 : 基板厚 1.0mm, メタルマスク厚さ 0.12mm, マスク開口率100%)

POLARIZED RECOMMENDED PCB LAYOUT(APPLY TO ALL CIRCUIT) : COMPONENT SIDE
(REFERENCE: PCB THICKNESS 1.0mm, STENCIL THICKNESS 0.12mm, APERTURE RATIO 100%)

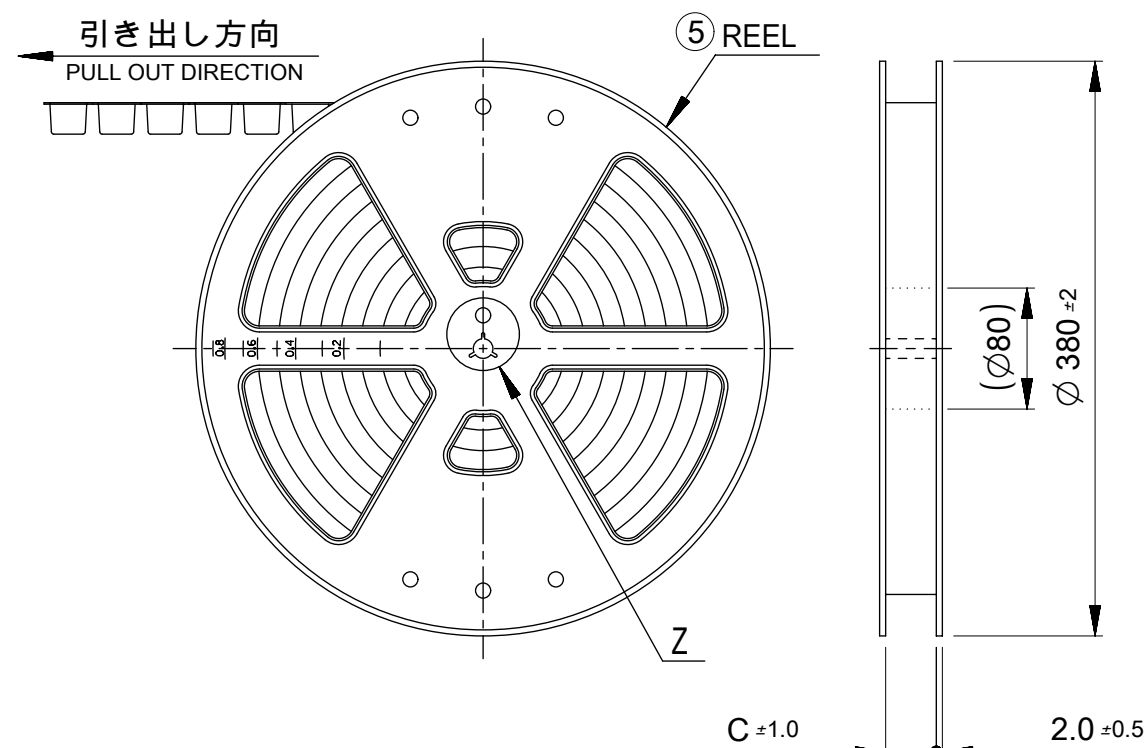


:パターン禁止エリア
RESTRICTED AREA
NO PCB COMPONENTS ALLOWED



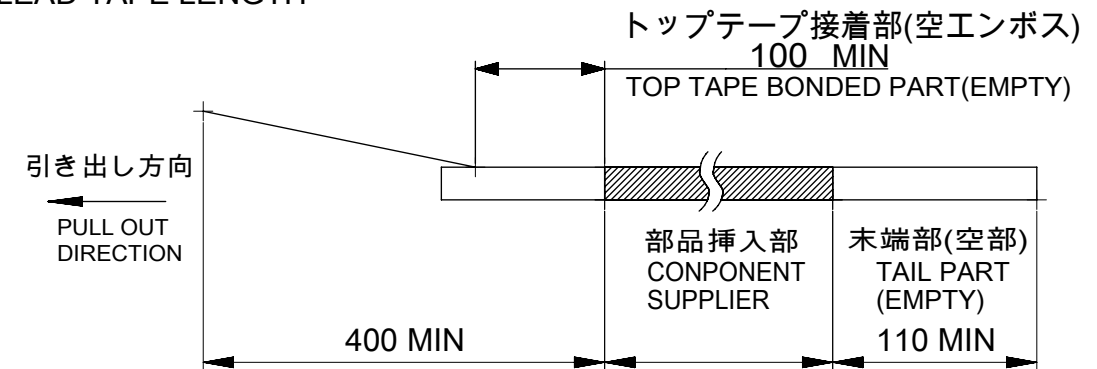
嵌合図
MATED CONNECTORS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex		
DIMENSION UNITS	SCALE			PICO-CLASP 1.0 W/B SINGLE ROW VT SMT INNER LOCK GOLD PLATING LOW HALOGEN		
mm	NTS			PRODUCT CUSTOMER DRAWING		
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 626442		DOCUMENT NUMBER		
ANGULAR TOL	± 3.0 °	DRWN: AISHIKAWA		2083810000-SD		
4 PLACES	± 0.2	CHK'D: AIDA		PSD		
3 PLACES	± 0.2	APPR: SAKIYAMA		000		
2 PLACES	± 0.2	INITIAL REVISION:		A		
1 PLACE	± 0.2	DRWN: AISHIKAWA		2019/06/21		
0 PLACES	± 0.2	APPR: SAKIYAMA		2019/12/25		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER
			A3-SIZE	208381	SEE SHEET 6	SHEET NUMBER
				3 OF 6		

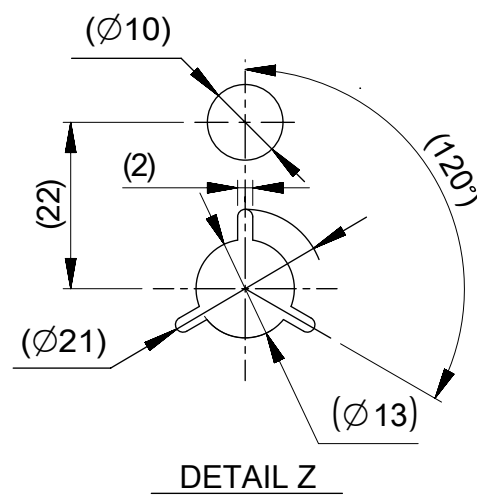


NOTES

10. 梱包数量:1100個/リール
NUMBER OF CONNECTORS : 1100 PIECES/REEL
11. リードテープ長さ
LEAD TAPE LENGTH



12. トップテープの剥離強度はIEC60286-3に準拠。
TOP TAPE PEELING FORCE IS DEFINED BY IEC60286-3.
13. 梱包仕様書 : 2083819200-SPK PS 200
PACKAGE SPECIFICATION:



33.4	15
	14
	13
25.4	12
	11
	10
	9
	8
	7
	6
17.5	5
	4
	3
	2
C	極数 CIRCUIT SIZE

番号 NO.	部品 PART	材質 MATERIAL			
⑤	リール REEL	ポリスチレン(PS) <リサイクル材を含む> POLYSTYRENE(PS) <RECYCLE MATERIAL CONTAINED>			
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DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex							
mm		NTS													
GENERAL TOLERANCES (UNLESS SPECIFIED)				PICO-CLASP 1.0 W/B SINGLE ROW VT SMT INNER LOCK GOLD PLATING LOW HALOGEN											
ANGULAR TOL ± 3.0°															
4 PLACES		± 0.2		EC NO: 626442		2019/06/21		PRODUCT CUSTOMER DRAWING							
3 PLACES		± 0.2		DRWN: AISHIKAWA		2019/12/25									
2 PLACES		± 0.2		CHK'D: AIDA		2019/12/25									
1 PLACE		± 0.2		APPR: SAKIYAMA		2019/12/25		DOCUMENT NUMBER 2038110000-SD							
0 PLACES		± 0.2		INITIAL REVISION: DRWN: AISHIKAWA 2019/06/21 APPR: SAKIYAMA 2019/12/25											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		203811		SEE SHEET 6				4 OF 6	

2~5 CIRCUITS

引き出し方向
PULL OUT DIRECTION

16mm幅テープ
TAPE WIDTH:16mm

SECTION Y-Y

6~15 CIRCUITS

⑦ TOP TAPE

CONNECTOR

⑥ CARRIER TAPE

SECTION W-W

$$\underline{\varnothing 1.5^{+0.1}_{0.0}}$$

4.0 ± 0.1 累積ピッチ : 40 ± 0.2
ACCUMULATIVE PITCH:

(2.0)エンボスポケット中心位置
CENTER OF EMBOSSED POCKET

32mm幅テープ
TAPE WIDTH:32mm

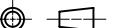
24mm幅テープ
TAPE WIDTH:24mm

SECTION X-X

SECTION V-V

Technical drawing of Detail U, showing a cross-section of a circular component. The drawing includes a central hole with a diameter of 1.5 (+0.1/0) and a surrounding ring with a thickness of 0.2 (+0.15/-0.05). The ring is labeled R(0.75). The drawing is labeled DETAIL U.

18.3	14.2	32	15
17.3			14
16.3			13
15.3	11.5	24	12
14.3			11
13.3			10
12.3			9
11.3			8
10.3			7
9.3			6
8.3	7.5	16	5
7.3			4
6.3			3
5.3			2
F	コネクタ中心位置 E CENTER OF CONNECTOR	エンボステープ幅 D WIDTH OF TAPE	極数 CIRCUIT SIZE

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DIMENSION UNITS		SCALE		CURRENT REV DESC:		molex			
mm		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)				PICO-CLASP 1.0 W/B SINGLE ROW VT SMT INNER LOCK GOLD PLATING LOW HALOGEN					
ANGULAR TOL ± 3.0°									
4 PLACES		± 0.2		EC NO: 626442		2019/06/21			
3 PLACES		± 0.2		DRWN: AISHIKAWA					
2 PLACES		± 0.2		CHK'D: AIDA		2019/12/25			
1 PLACE		± 0.2		APPR: SAKIYAMA					
0 PLACES		± 0.2		INITIAL REVISION:		2019/06/21			
				DRWN: AISHIKAWA					
				APPR: SAKIYAMA		2019/12/25			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES	
						A3-SIZE		208381	
				MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				2083810000-SD		SEE SHEET 6		5 OF 6	

A	番号 NO.	部品 PART	材質 MATERIAL		
	⑥	キャリアテープ CARRIER TAPE	ポリプロピレン(PP)、その他 POLYPROPYLEN(PP), etc		
	⑦	トップテープ TOP TAPE	ポリエチレン(PE)、その他 POLYETHYLENE(PE), etc		
	DOCUMENT STATUS		P1	RELEASE DATE	2019/12/25 07:30:31

