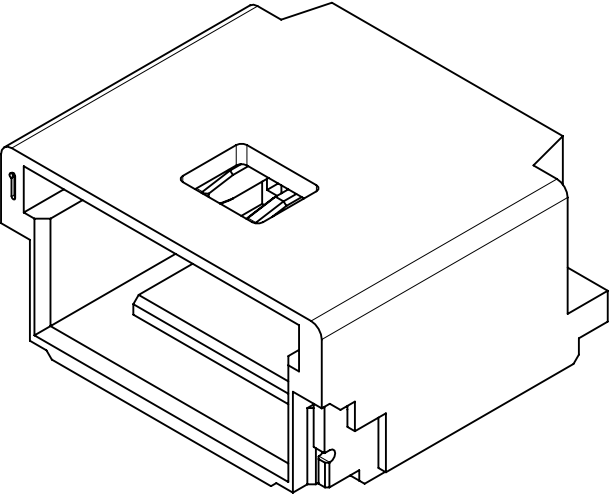


PLATING	PLATING THICKNESS [micro-meter MIN.]	SERIES No.	DRAWING No.
TIN	1.0	501568	5015680000-SD PSD 000
GOLD	0.1	202396	2023960000-SD PSD 000
	0.38	203558	2035580000-SD PSD 000

2 TABLE 1

番号 NO.	部品 PART	材質 MATERIAL	
①	ウエハー WAFER	ポリアミド(PA), UL94V-0, 色 : SEE SHEET 6 POLYAMIDE(PA), UL94V-0, 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 : 0.76 MICRO-METER MIN. GOLD PLATING
		テール部 TAIL AREA	金めっき : 0.05 MICRO-METER MIN. GOLD PLATING
		下地めっき UNDER PLATING	ニッケルめっき : 1.27 MICRO-METER MIN. NICKEL
③	ネイル NAIL	黄銅 BRASS	
		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



6.2	4.0	7.0	5
5.2	3.0	6.0	4
4.2	2.0	5.0	3
3.2	1.0	4.0	2
C	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: 794263
DRWN: MIKEDA01
CHK'D: SAKIYAMA
APPR: AIDA

2023/06/28
2024/09/26
2024/09/27

INITIAL REVISION:
DRWN: AISHIKAWA
APPR: KOMURAKAMI

2019/04/02
2019/04/05

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

molex

PICO-CLASP 1.0 W/B
SINGLE ROW RA SMT INNER LOCK GOLD PLATING
0.76 MICRO-METER

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

2035590000-SD

PSD

000

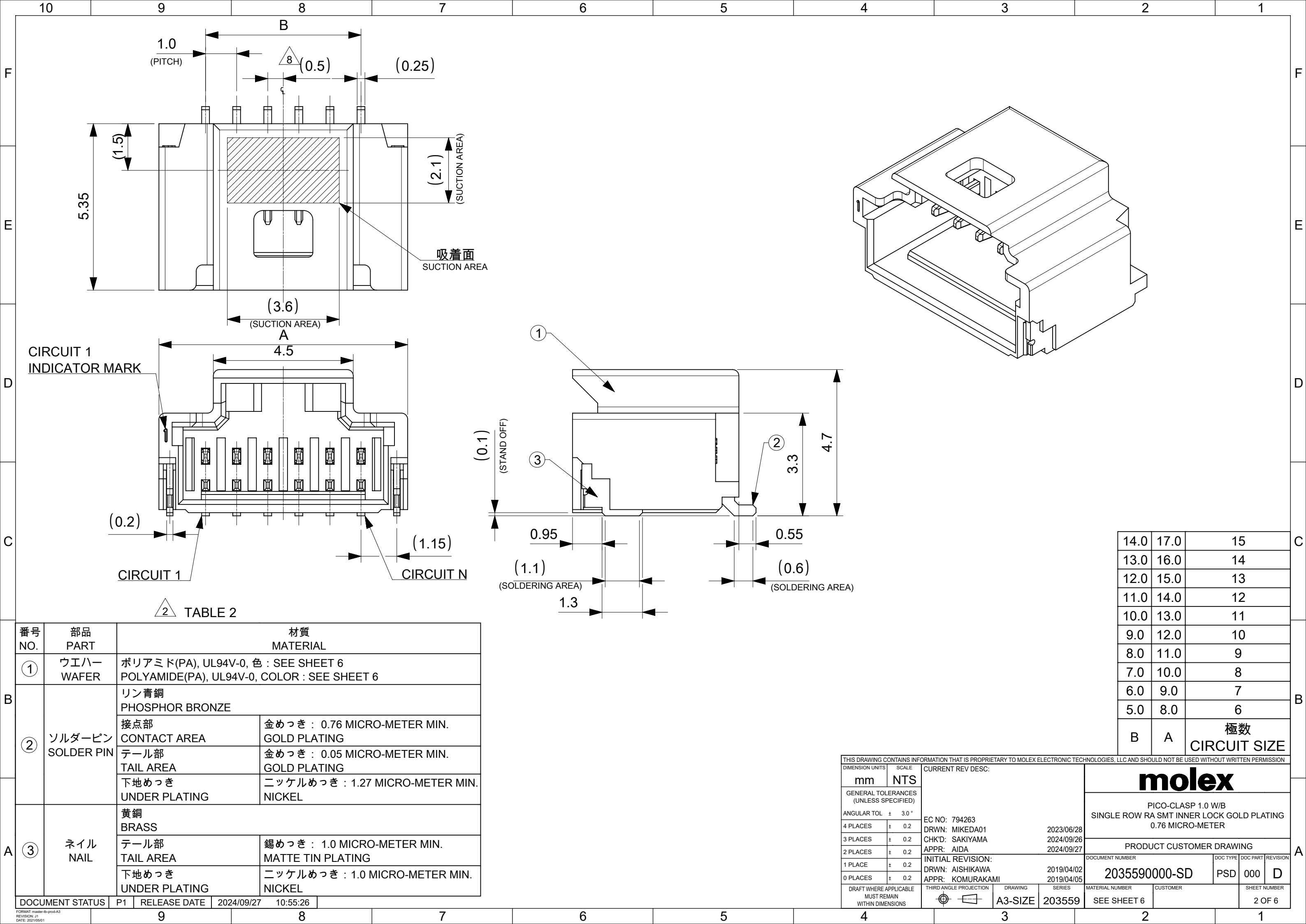
D

SEE SHEET 6

1 OF 6

NOTES

- 本製品は極数によって、ロック形状が変わりますのでご注意願います
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
- 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
- 製品仕様書 : 5013300001-PS 000
PRODUCT SPECIFICATION:
- 梱包形態 : SEE SHEET 4
PACKAGING INFORMATION:
- 嵌合相手 : 501330 シリーズ
MATES WITH:501330 SERIES
- アプリケーション仕様書(コネクタ取扱い説明書) : 5013300000-AS 000
APPLICATION SPECIFICATION(CONNECTOR MANUAL):
- 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.
- 偶数極に適用
APPLY FOR EVEN CIRCUIT
- その他金めっき厚品及び錫めっき品は以下の図面をご参照ください
PLEASE REFER TO THE FOLLOWING DRAWING
FOR OTHER GOLD PLATING VERSION AND TIN PLATING VERSION.

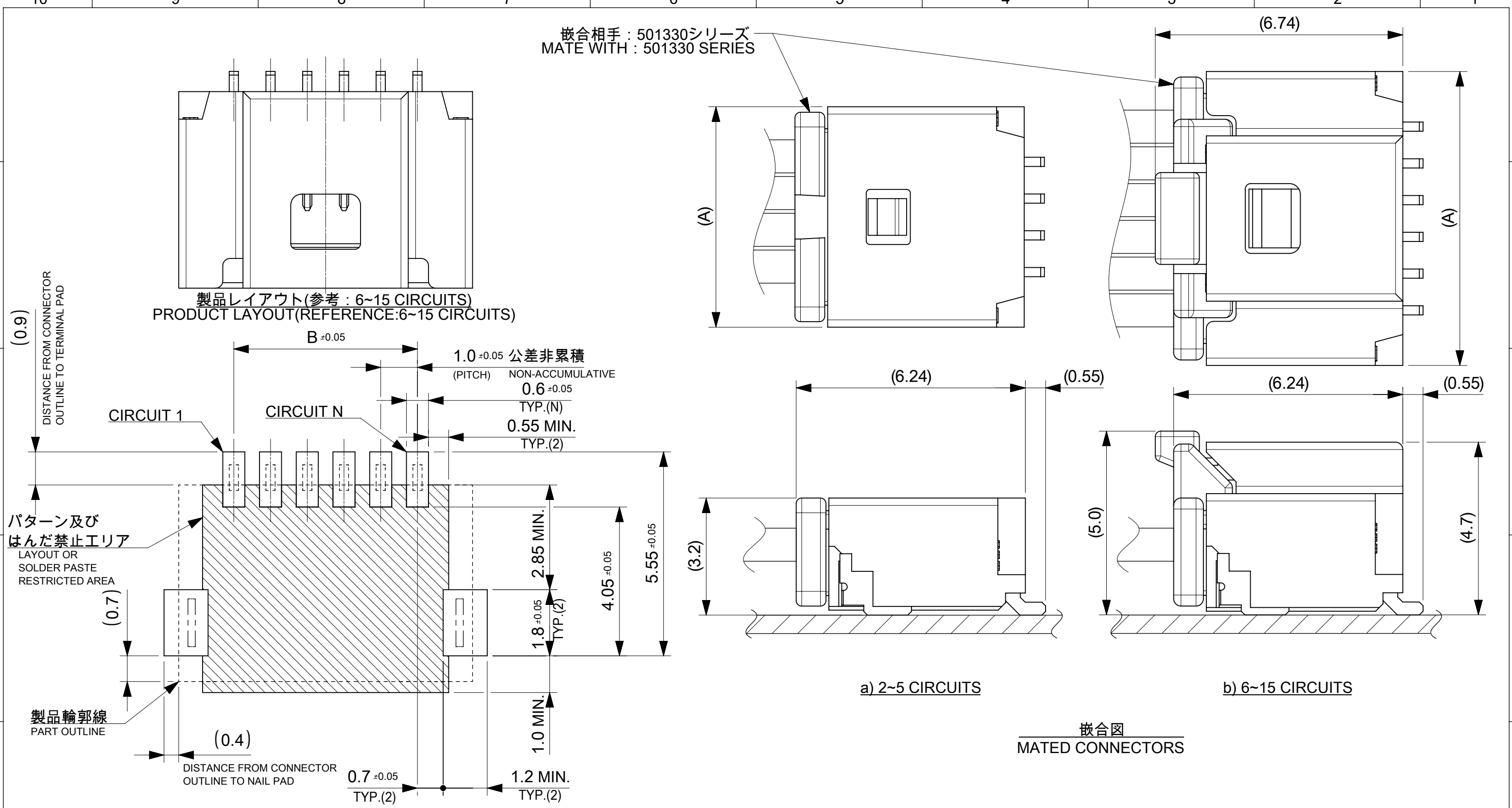


2 TABLE 2

番号 NO.	部品 PART	材質 MATERIAL	
①	ウエハー WAFER	ポリアミド(PA), UL94V-0, 色 : SEE SHEET 6 POLYAMIDE(PA), UL94V-0, 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 : 0.76 MICRO-METER MIN. GOLD PLATING
		テール部 TAIL AREA	金めっき : 0.05 MICRO-METER MIN. GOLD PLATING
		下地めっき UNDER PLATING	ニッケルめっき : 1.27 MICRO-METER MIN. NICKEL
③	ネイル NAIL	黄銅 BRASS	
		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

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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE	CURRENT REV DESC:				molex PICO-CLASP 1.0 W/B SINGLE ROW RA SMT INNER LOCK GOLD PLATING 0.76 MICRO-METER		
mm		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL		± 3.0 °							
4 PLACES		± 0.2							
3 PLACES		± 0.2	EC NO: 794263						
2 PLACES		± 0.2	DRWN: MIKEDA01				2023/06/28		
1 PLACE		± 0.2	CHK'D: SAKIYAMA				2024/09/26		
0 PLACES		± 0.2	APPR: AIDA				2024/09/27		
			INITIAL REVISION:				DOCUMENT NUMBER		
			DRWN: AISHIKAWA				2035590000-SD		
			APPR: KOMURAKAMI				PSD		
							000		
							D		
DRAFT WHERE APPLICABLE		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
MUST REMAIN			A3-SIZE	203559	SEE SHEET 6				2 OF 6
WITHIN DIMENSIONS									



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

パターン及び
はんだ禁止エリア
LAYOUT OR
SOLDER PASTE
RESTRICTED AREA

製品輪郭線
PART OUTLINE

推奨基板レイアウト(全極数適用) : 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 CIRCUITS) : COMPONENT SIDE
(REFERENCE: PCB THICKNESS 1.0 mm, STENCIL THICKNESS 0.12 mm, APERTURE RATIO 100%)

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

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

嵌合図
MATED CONNECTORS

a) 2~5 CIRCUITS

b) 6~15 CIRCUITS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
DIMENSION UNITS mm	SCALE 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	
THIRD ANGLE PROJECTION	
DRAWING A3-SIZE	
SERIES 203559	
MATERIAL NUMBER SEE SHEET 6	
CUSTOMER	
SHEET NUMBER 3 OF 6	

EC NO: 794263
DRWN: MIKEDA01
CHK'D: SAKIYAMA
APPR: AIDA

2023/06/28
2024/09/26
2024/09/27

INITIAL REVISION:
DRWN: AISHIKAWA
APPR: KOMURAKAMI

2019/04/02
2019/04/05

DOCUMENT NUMBER
2035590000-SD

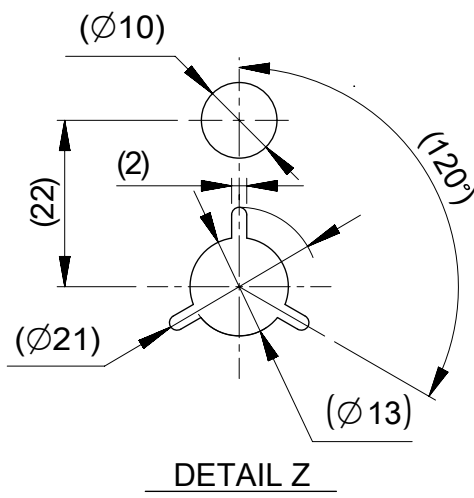
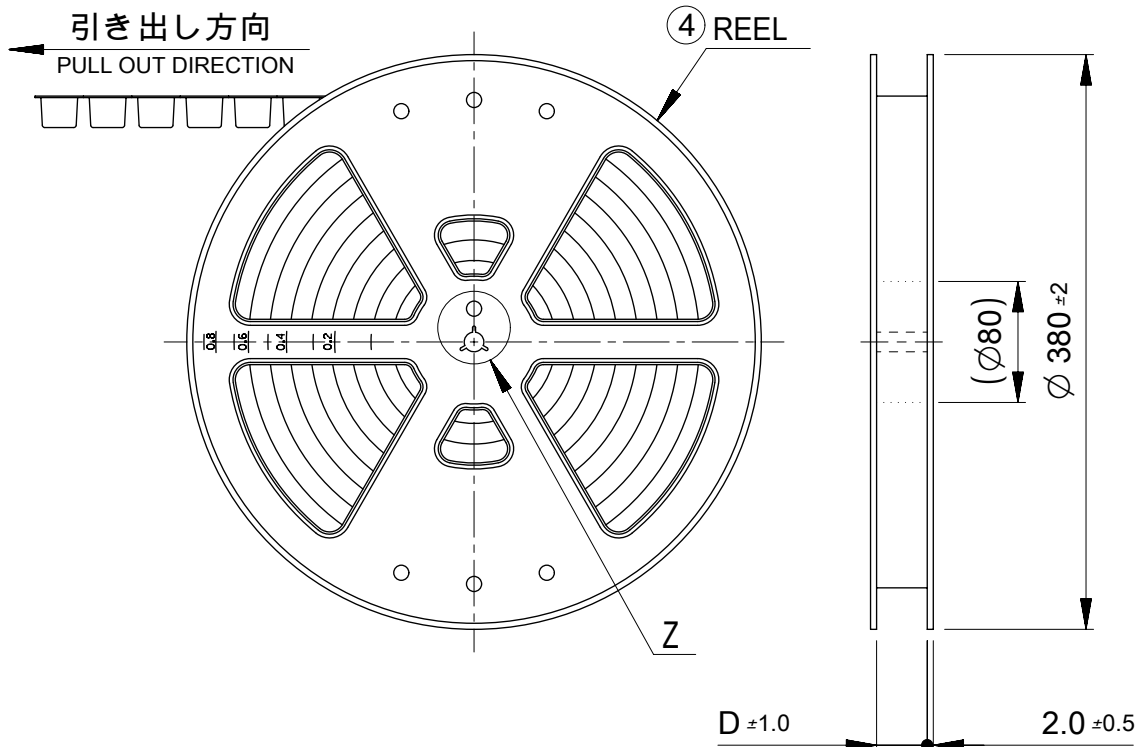
DOC TYPE
PSD

DOC PART
000

REVISION
D

PRODUCT CUSTOMER DRAWING

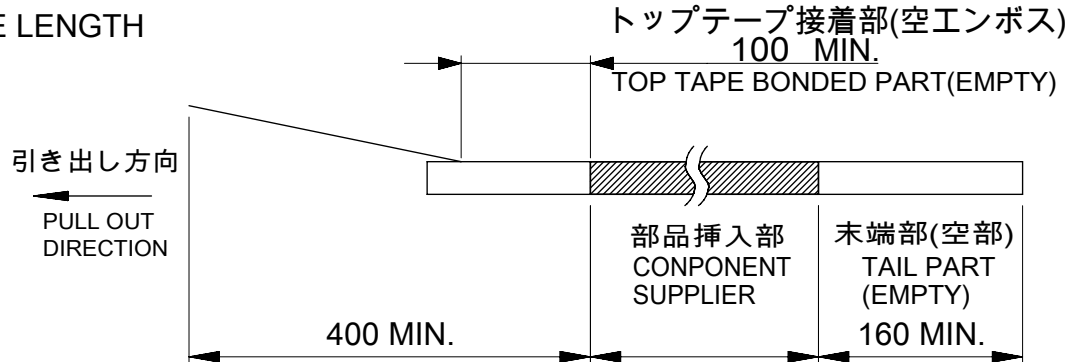
DOCUMENT STATUS	P1	RELEASE DATE	2024/09/27	10:55:26
-----------------	----	--------------	------------	----------



NOTES

10. 梱包数量
2-5 CIRCUIT: 1700個/リール
6-15 CIRCUIT: 1300個/リール
NUMBER OF CONNECTORS
2-5 CIRCUIT : 1700 PIECES/REEL
6-15 CIRCUIT : 1300 PIECES/REEL

11. リードテープ長さ
LEAD TAPE LENGTH



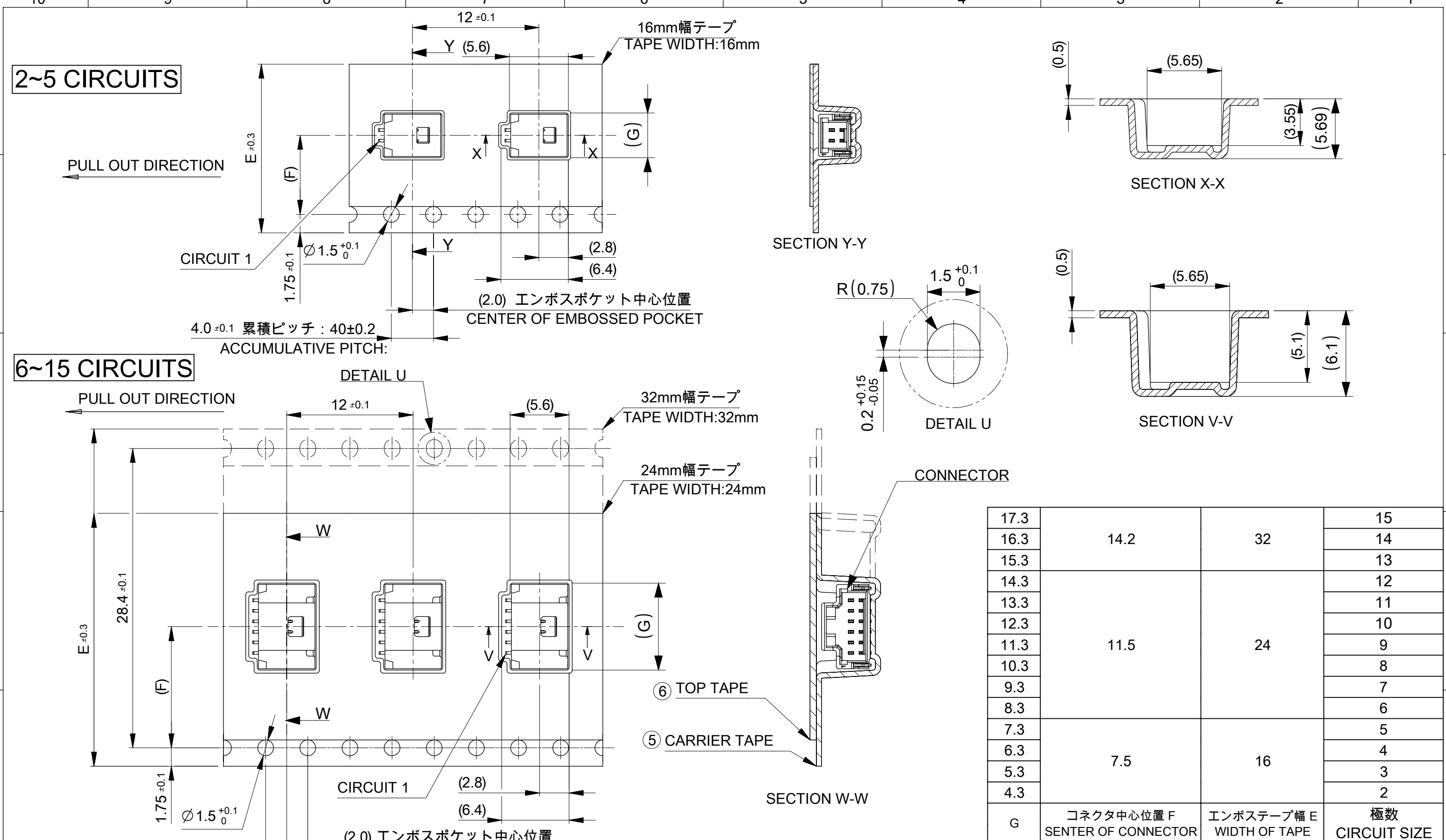
12. トップテープの剥離強度はIEC60286-3に準拠。
TOP TAPE PEELING FORCE IS DEFINED BY IEC60286-3.
13. 2~5極品は乾燥剤入り、ハイバリア梱包による納品となります。
2~5 CIRCUITS IS DELIVERED IN A HIGH BARRIER PACKAGING WITH DESICCANT.
14. 梱包仕様書 : 2035599200 PS 200
PACKAGE SPECIFICATION:
発注番号 : SHEET 6 参照
ORDER No. : PLEASE REFER TO SHEET 6 FOR PRODUCT LIST.

203559 - ** * *

極数	ハウジングカラー	製品識別番号
CIRCUIT SIZE	HOUSING COLOR	IDENTIFICATION NUMBER
	0:NATURAL(BEIGE)	7:EMBOSSED PACKAGE

番号 NO.	部品 PART	材質 MATERIAL
④	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>
④	REEL	POLYSTYRENE(PS) <RECYCLE MATERIAL CONTAINED>
DOCUMENT STATUS	P1	RELEASE DATE 2024/09/27 10:55:26

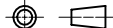
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex	
mm		NTS						PICO-CLASP 1.0 W/B SINGLE ROW RA SMT INNER LOCK GOLD PLATING 0.76 MICRO-METER	
GENERAL TOLERANCES (UNLESS SPECIFIED)								PRODUCT CUSTOMER DRAWING	
ANGULAR TOL		± 3.0 °						DOCUMENT NUMBER	
4 PLACES		± 0.2		EC NO: 794263 DRWN: MIKEDA01 CHK'D: SAKIYAMA APPR: AIDA				2035590000-SD	
3 PLACES		± 0.2		INITIAL REVISION: DRWN: AISHIKAWA APPR: KOMURAKAMI				PSD 000 D	
2 PLACES		± 0.2							
1 PLACE		± 0.2							
0 PLACES		± 0.2							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
				A3-SIZE		203559		SEE SHEET 6	
								CUSTOMER	
								SHEET NUMBER	
								4 OF 6	



17.3	14.2	32	15
16.3			14
15.3			13
14.3	11.5	24	12
13.3			11
12.3			10
11.3			9
10.3			8
9.3			7
8.3	7.5	16	6
7.3			5
6.3			4
5.3			3
4.3			2
G	コネクタ中心位置 F SENER OF CONNECTOR	エンボステープ幅 E WIDTH OF TAPE	極数 CIRCUIT SIZE

番号 NO.	部品 PART	材質 MATERIAL
⑤	キャリアテープ CARRIER TAPE	ポリプロピレン(PP)、その他 POLYPROPYLENE(PP), etc
⑥	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	2024/09/27	10:55:26
-----------------	----	--------------	------------	----------

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex PICO-CLASP 1.0 W/B SINGLE ROW RA SMT INNER LOCK GOLD PLATING 0.76 MICRO-METER					
mm		NTS										
GENERAL TOLERANCES (UNLESS SPECIFIED)												
ANGULAR TOL		±		3.0 °		PRODUCT CUSTOMER DRAWING						
4 PLACES		±		0.2								
3 PLACES		±		0.2		DOCUMENT NUMBER 2035590000-SD						
2 PLACES		±		0.2								
1 PLACE		±		0.2								
0 PLACES		±		0.2		DOC TYPE		DOC PART		REVISION		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				EC NO: 794263		2023/06/28		PSD			000	D
				DRWN: MIKEDA01		2024/09/26						
				CHK'D: SAKIYAMA		2024/09/27						
THIRD ANGLE PROJECTION 				INITIAL REVISION:		2019/04/02		MATERIAL NUMBER SEE SHEET 6				
				DRWN: AISHIKAWA		2019/04/05						
				APPR: KOMURAKAMI								
DRAWING A3-SIZE				SERIES 203559		CUSTOMER		SHEET NUMBER 5 OF 6				

10	9	8	7	6	5	4	3	2	1
</									