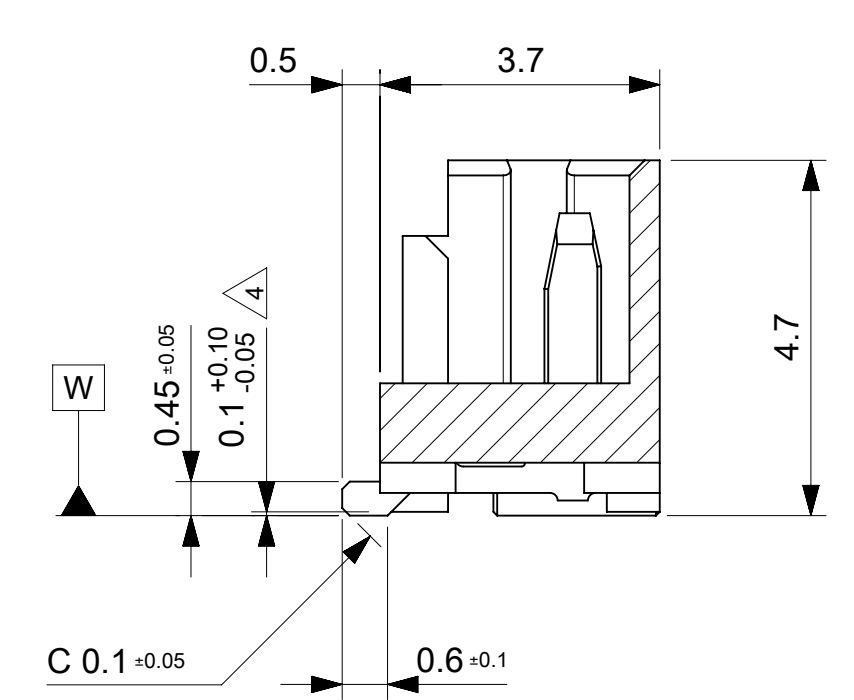
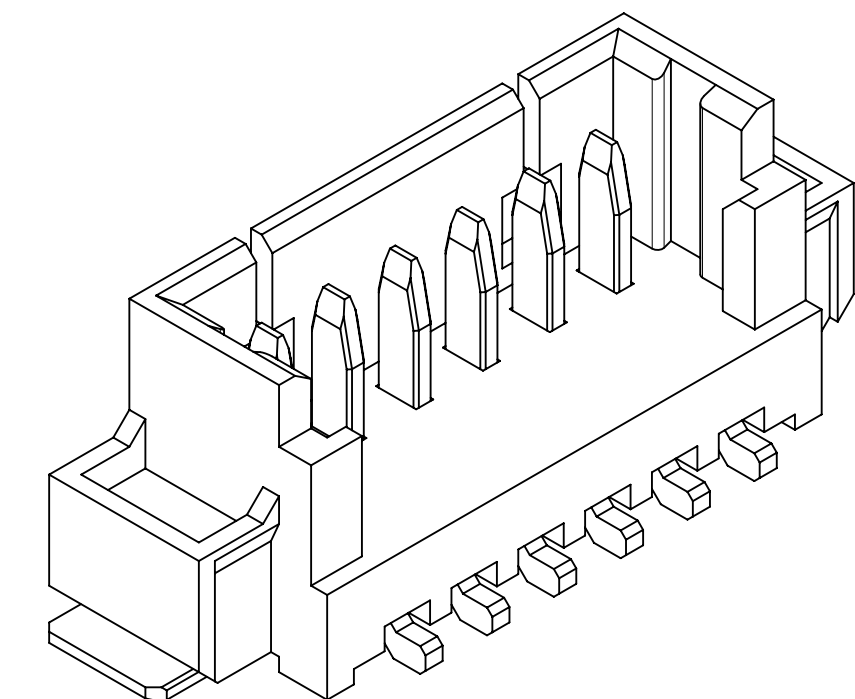
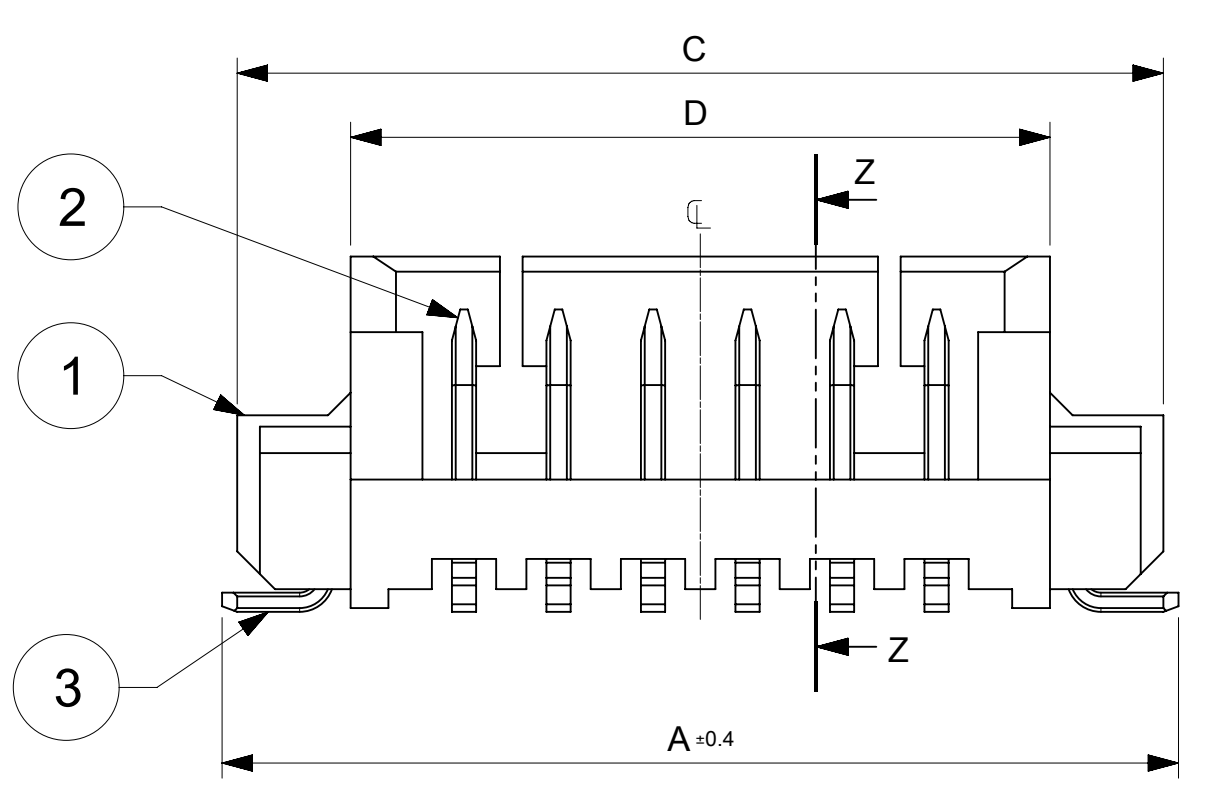
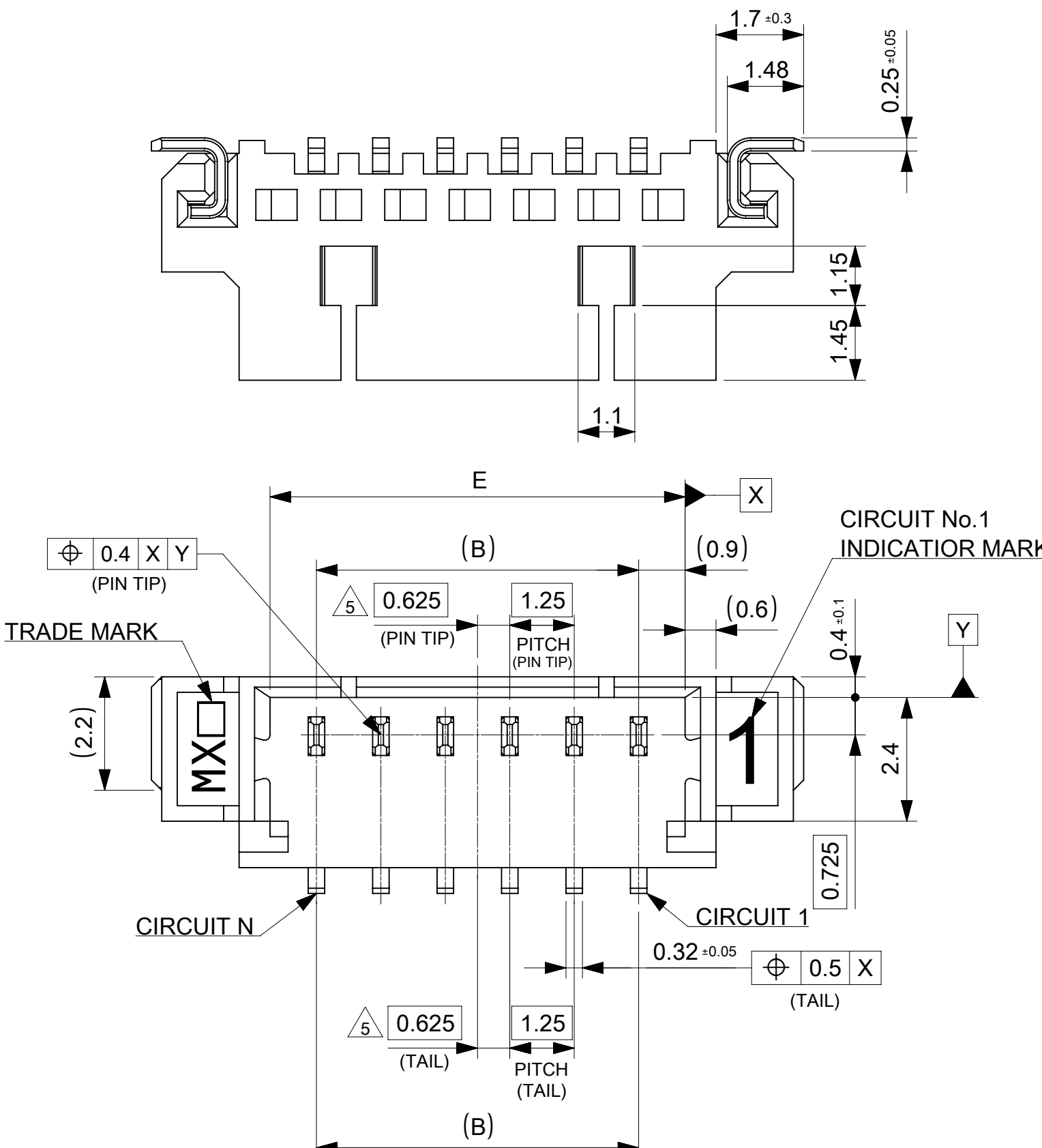




SECTION Z-Z

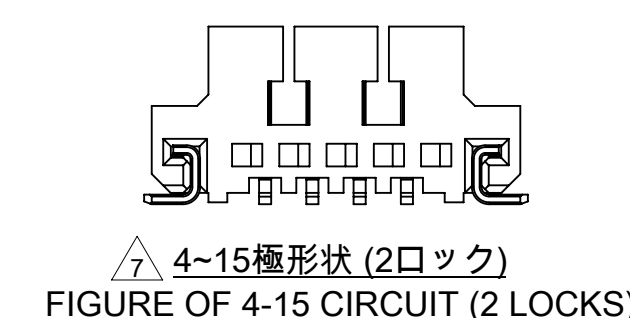
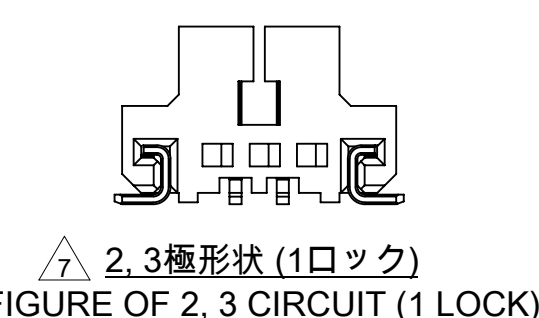


TABLE 1

番号 NO.	部品 PART	材質 MATERIAL	
①	ハウジング HOUSING	ポリアミド(PA), UL94V-0, GLASS-FILLED, 色: 表参照 POLYAMIDE(PA), UL94V-0, GLASS-FILLED, COLOR: SEE CHART	
②	ターミナル TERMINAL	母材 MATERIAL	りん青銅 PHOSPHOR BRONZE
		コンタクト部 CONTACT AREA	無光沢錫めっき 1.0 MICROMETER MINIMUM
		テール部 TAIL AREA	MATTE TIN PLATING 1.0 MICROMETER MINIMUM
		下地めっき UNDER PLATING	ニッケルめっき 1.0 MICROMETER MINIMUM
③	ネイル NAIL	母材 MATERIAL	りん青銅 PHOSPHOR BRONZE
		テール部 TAIL AREA	無光沢錫めっき 1.0 MICROMETER MINIMUM
		下地めっき UNDER PLATING	ニッケルめっき 1.0 MICROMETER MINIMUM
		下地めっき UNDER PLATING	NICKEL PLATING 1.0 MICROMETER MINIMUM

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DIMENSION UNITS

SCALE

CURRENT REV DESC:

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

EC NO: 744677

DRWN: QHE31

CHK'D: AIDA

APPR: MARAI

INITIAL REVISION:

DRWN: SOBARA01

APPR: AIDA

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

2022/06/07

2023/07/24

2023/07/24

2019/04/04

2019/10/30

A2-SIZE

53398

SEE CHART

GENERAL

1 OF 4

moLEX

PICOBLADE 1.25
SMT VERTICAL TIN PLATING TYPE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

533980000-SD

PSD

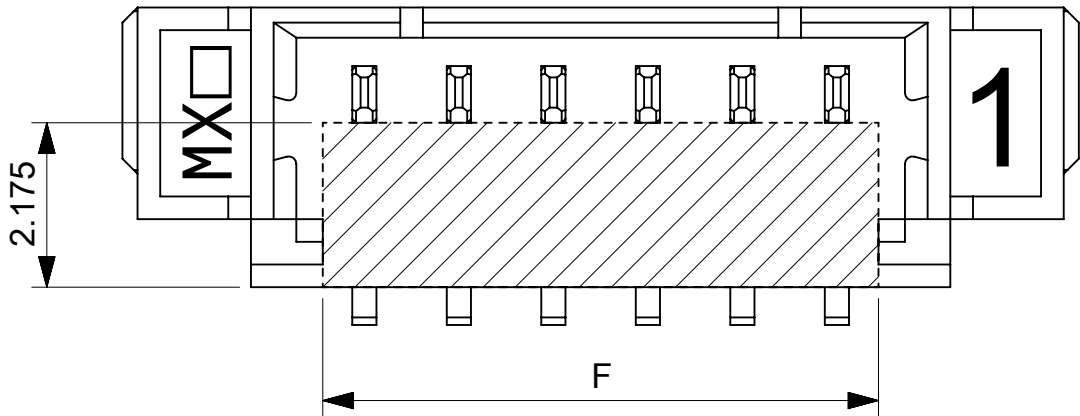
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D

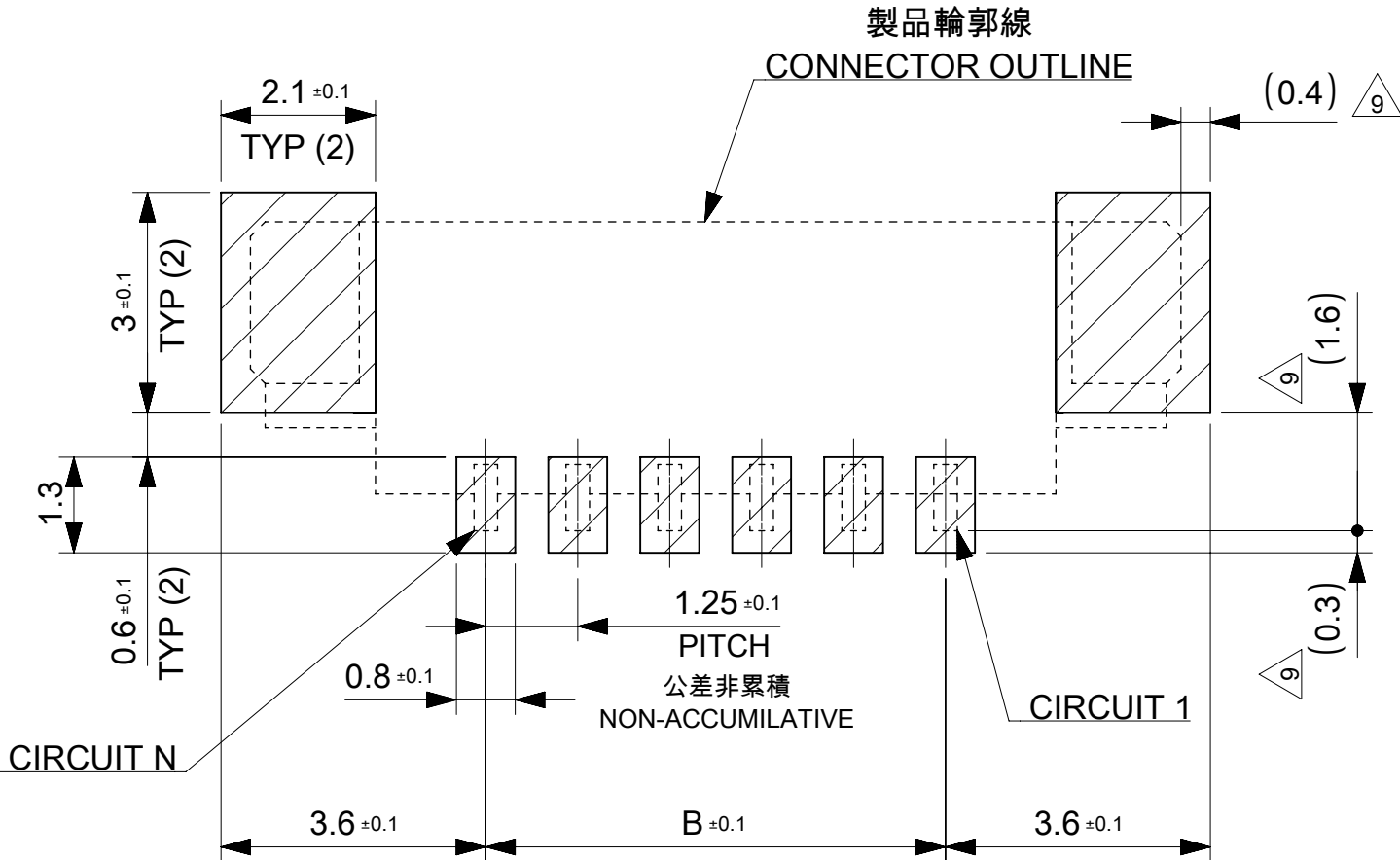
NOTES

- ① 材料および仕上げ（めっき仕様）：TABLE 1参照
MATERIAL AND FINISHES : SEE TABLE 1
- ② 適用製品及び各種仕様書はSHEET 5を参照のこと
REFER TO SHEET 5 ABOUT APPLICABLE PRODUCTS
AND VARIOUS SPECIFICATIONS
3. 梱包形態：SHEET 3 参照
PACKAGING INFOMATION : SEE SHEET 3
- ④ 水平面上においてのハウジング底面 **W** とソルダーテール及びネイル底面とのズレ量を示す。
MISALIGNMENT OF SOLDER TAIL AND NAIL FROM **W**
- ⑤ 偶数極のみに適用
APPLY TO EVEN CIRCUIT PRODUCTS.
6. 端子テール部およびネイルの平坦度は0.1以下
COPLANARITY OF TAIL AND NAIL TO BE 0.1 MAX.
- ⑦ ロックの数は、2,3極は1ロック、4極以上は2ロック。
LOCKING WINDOW: ONE PLACE FOR 2 AND 3 CIRCUIT,
AND TWO PLACES FOR MORE THAN 4 CIRCUIT.
8. 本製品は錫めっき品です。金めっき品は533980002-SDをご参照ください
THIS PRODUCT IS TIN PLATING TYPE.
PLEASE REFER TO 533980002-SD FOR GOLD PLATING TYPE

18.6	19.3	20.5	23.5	17.5	23.9	15
17.35	18.05	19.25	22.25	16.25	22.65	14
16.1	16.8	18	21	15	21.4	13
14.85	15.55	16.75	19.75	13.75	20.15	12
13.6	14.3	15.5	18.5	12.5	18.9	11
12.35	13.05	14.25	17.25	11.25	17.65	10
11.1	11.8	13	16	10	16.4	9
9.85	10.55	11.75	14.75	8.75	15.15	8
8.6	9.3	10.5	13.5	7.5	13.9	7
7.35	8.05	9.25	12.25	6.25	12.65	6
6.1	6.8	8	11	5	11.4	5
4.85	5.55	6.75	9.75	3.75	10.15	4
3.6	4.3	5.5	8.5	2.5	8.9	3
2.35	3.05	4.25	7.25	1.25	7.65	2
F	E	D	C	B	A	極数 CIRCUIT SIZE



吸着面
VACUUM AREA



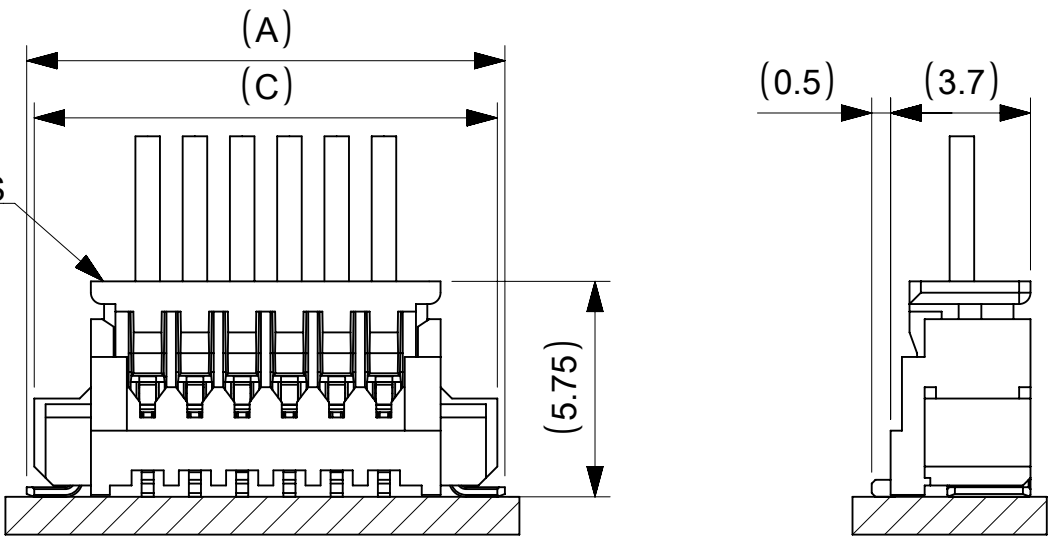
△10 推奨基板レイアウト (実装面側)

RECOMMENDED PCB LAYOUT : COMPONENT SIDE

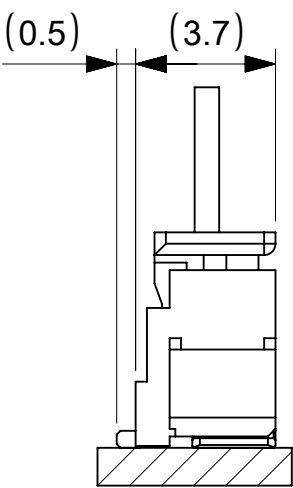
(参考 : 基板厚 1.0 MILLIMETER, メタルマスク厚さ: 0.15 MILLIMETER, マスク開口率:100%)

(REFERENCE : PCB THICKNESS 1.0 MILLIMETER, STENCIL THICKNESS: 0.15 MILLIMETER, APERTURE:100%)

嵌合相手 : 51021 シリーズ
MATE WITH : 51021 SERIES



嵌合図
MATED CONNECTORS



NOTES

- △9 製品輪郭線からパッドまでの寸法を示す。
DIMENSIONS FROM CONNECTOR OUTLINE TO PAD
- △10 製品の基板実装部以外の金属露出部と基板パターンとの干渉、および製品と基板上の突起物との干渉が生じないようご配慮をお願いいたします。
PLEASE TAKE CARE NOT TO CAUSE INTERFERENCE BETWEEN EXPOSED METAL PARTS EXCLUDING MOUNTING PORTION OF PRODUCT AND PCB PATTERN, AND INTERFERENCE BETWEEN PRODUCT AND PROTRUSIONS ON PCB.

18.6	19.3	20.5	23.5	17.5	23.9	15
17.35	18.05	19.25	22.25	16.25	22.65	14
16.1	16.8	18	21	15	21.4	13
14.85	15.55	16.75	19.75	13.75	20.15	12
13.6	14.3	15.5	18.5	12.5	18.9	11
12.35	13.05	14.25	17.25	11.25	17.65	10
11.1	11.8	13	16	10	16.4	9
9.85	10.55	11.75	14.75	8.75	15.15	8
8.6	9.3	10.5	13.5	7.5	13.9	7
7.35	8.05	9.25	12.25	6.25	12.65	6
6.1	6.8	8	11	5	11.4	5
4.85	5.55	6.75	9.75	3.75	10.15	4
3.6	4.3	5.5	8.5	2.5	8.9	3
2.35	3.05	4.25	7.25	1.25	7.65	2
F	E	D	C	B	A	極数 CIRCUIT SIZE

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DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex				
mm		NTS									
GENERAL TOLERANCES (UNLESS SPECIFIED)				PICOBLADE 1.25 SMT VERTICAL TIN PLATING TYPE							
ANGULAR TOL ± 3.0 °											
4 PLACES		± 0.2		EC NO: 744677			PRODUCT CUSTOMER DRAWING				
3 PLACES		± 0.2		DRWN: QHE31 2022/06/07							
2 PLACES		± 0.2		CHK'D: AIDA 2023/07/24							
1 PLACE		± 0.2		APPR: MARAI 2023/07/24							
0 PLACES		± 0.2		INITIAL REVISION:			DOCUMENT NUMBER				
				DRWN: SOBARA01 2019/04/04			533980000-SD				
				APPR: AIDA 2019/10/30			DOC TYPE				
							DOC PART				
							REVISION				
							PSD 000 D				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
						A2-SIZE		53398		SEE CHART	
								CUSTOMER		SHEET NUMBER	
								GENERAL		2 OF 4	

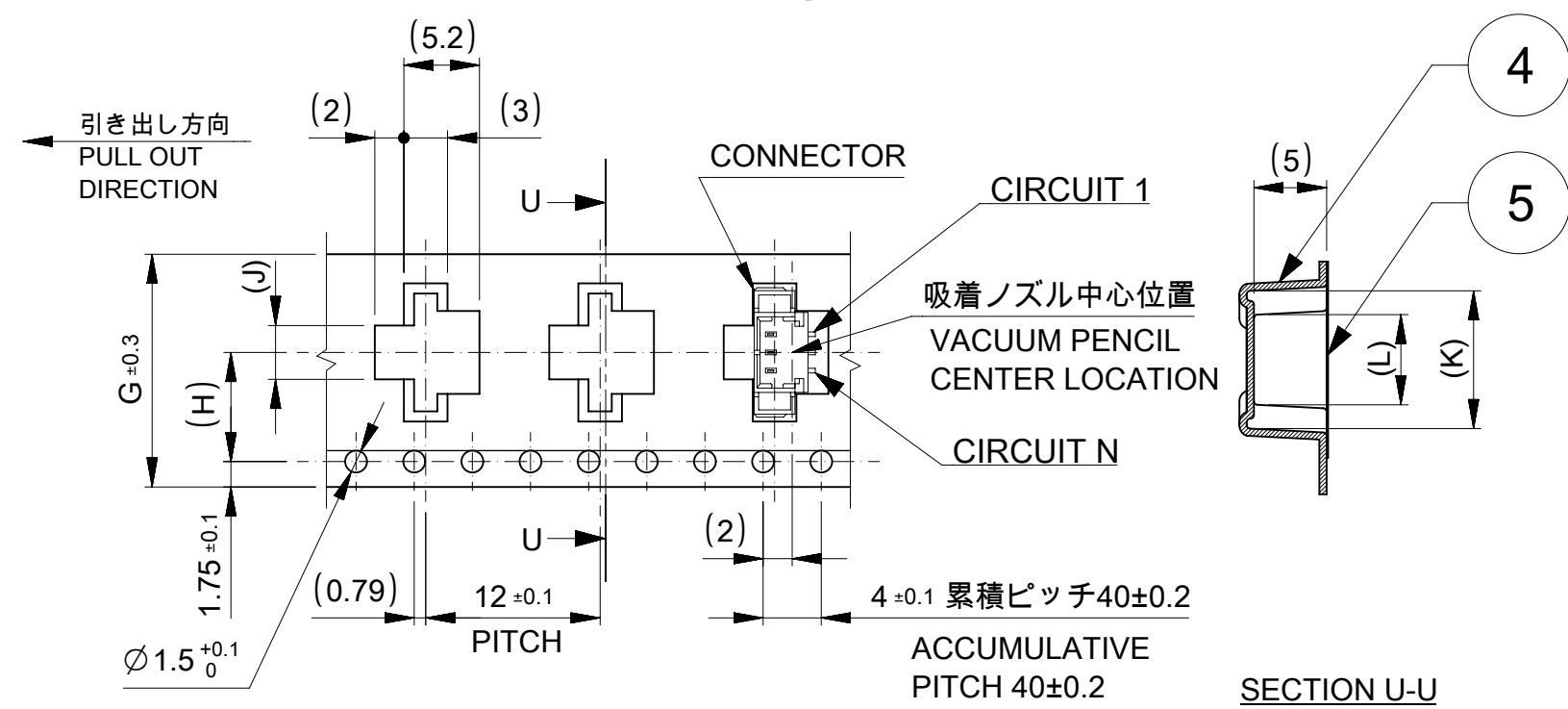
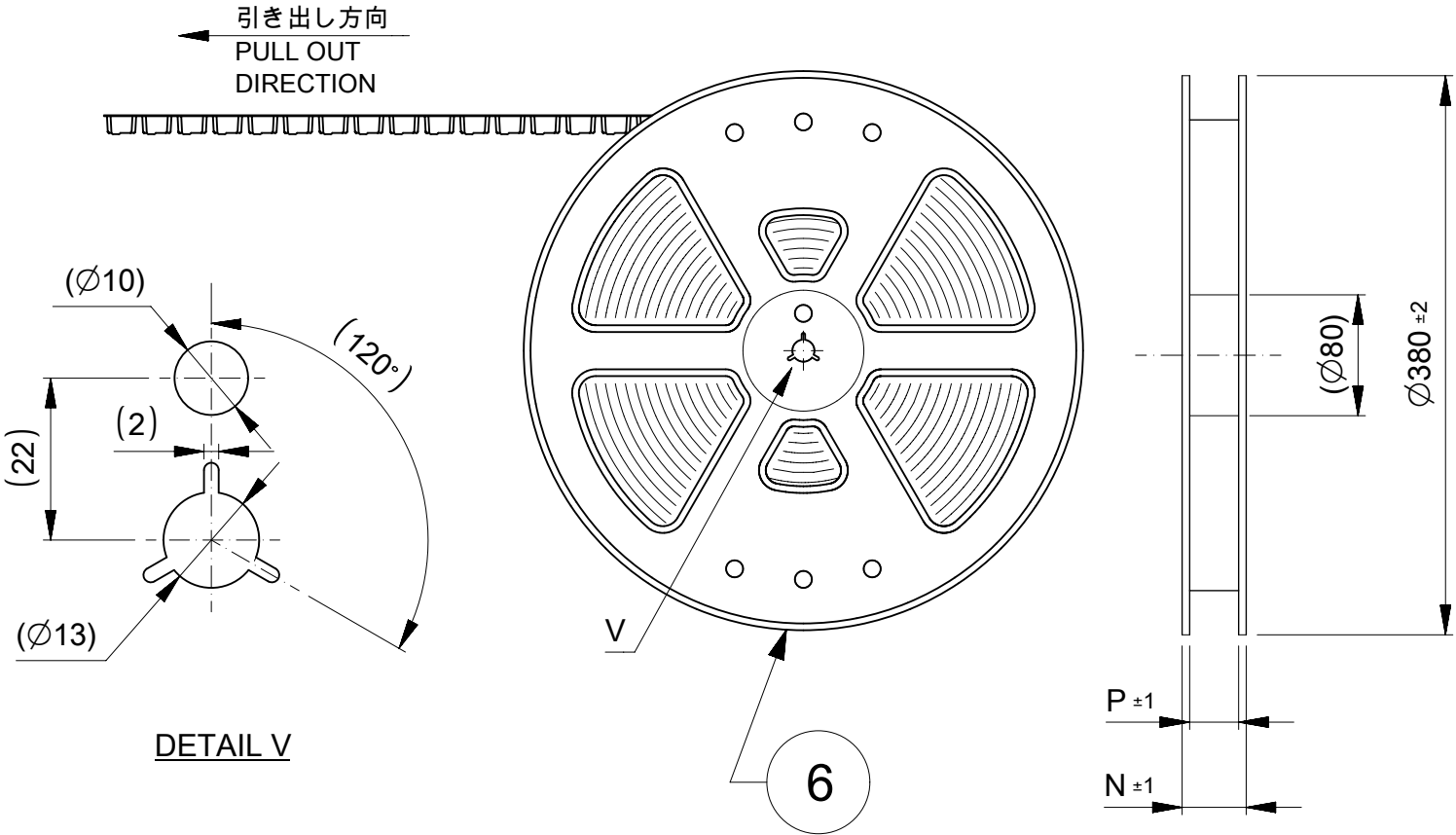
molex

PICOBLADE 1.25
SMT VERTICAL TIN PLATING TYPE

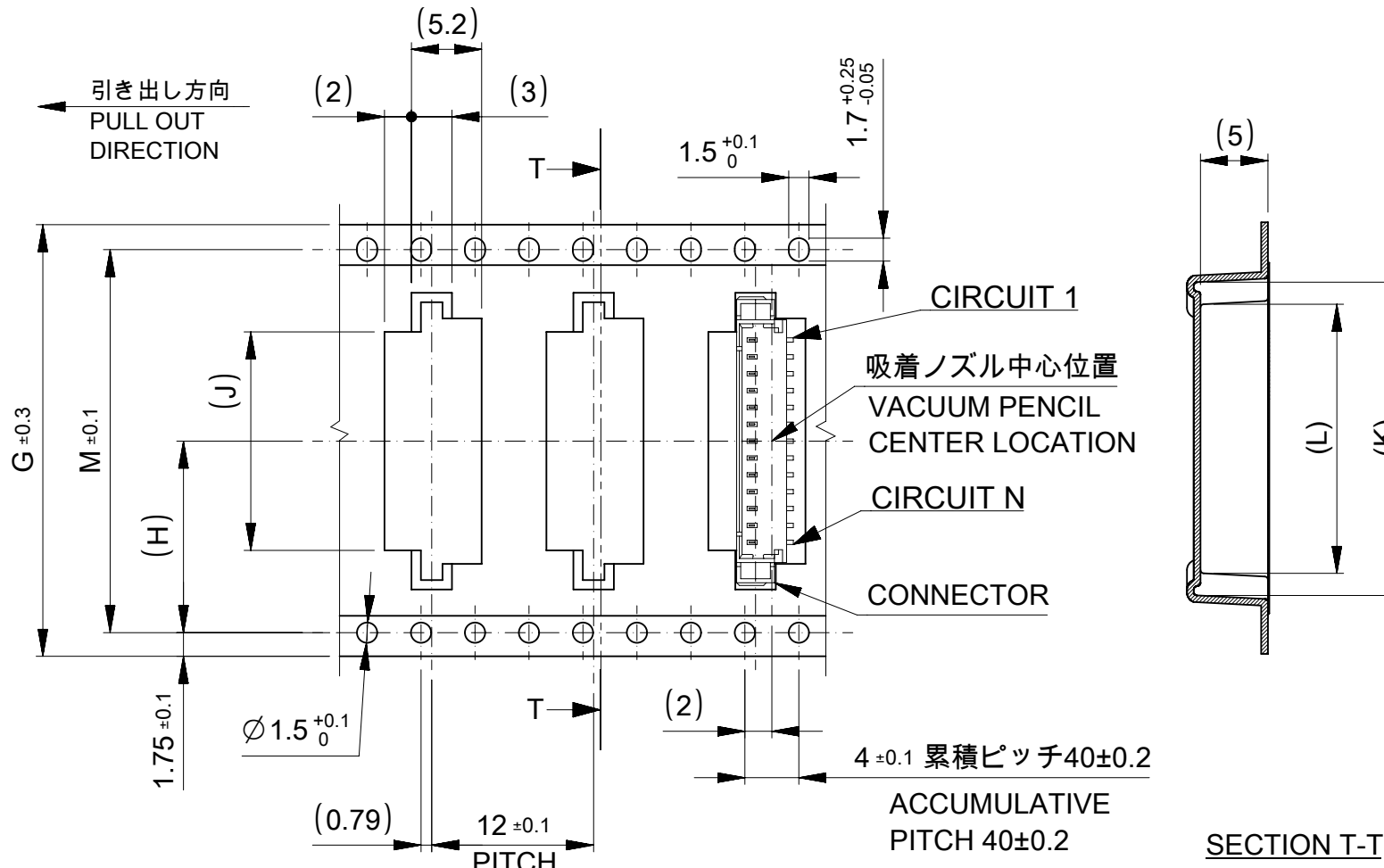
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
533980000-SD	PSD	000	D

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL	2 OF 4



16mm幅(2~3極用) および24mm幅(4~10極用)キャリアテープ
16mm (FOR 2-3 CIRCUIT) OR 24mm (FOR 4-10 CIRCUIT) WIDTH CARRIER TAPE



32mm幅(11~13極用) および44mm幅(13~15極用)キャリアテープ
32mm (FOR 11-13 CIRCUIT) OR 44mm (FOR 13-15 CIRCUIT) WIDTH CARRIER TAPE

NOTES

- 梱包数量：1400個/リール
NUMBER OF CONNECTOR：1400PCS / REEL
- リードテープ長さ
LEAD TAPE LENGTH
400 MIN
トップテープリーダー部
TOP TAPE LEADER PART
25±10
引き出し方向
PULL OUT DIRECTION
部品挿入部
COMPONENT SUPPLIER
末端部 (空部)
TAIL PART (EMPTY)
160 MIN
トップテープ接着部(空エンボス)
TOP TAPE BONDED PART (EMPTY POCKET)
100 MIN
- 材料：TABLE 2 参照
MATERIAL：REFER TO TABLE 2
- トップテープの剥離強度はIEC60286-3に準拠
TOP TAPE PELING FORCE IS DEFINED BY IEC60286-3.
- 本製品は乾燥剤入り、ハイバリア梱包仕様による納品となります。
THIS PRODUCT IS DELIVERED IN A HIGH BARRIER PACKAGE WITH DESICCANT.
- 梱包仕様書：SPK-53398-002
PACKING SPECIFICATION：SPK-53398-002

TABLE 2

番号 NO.	部品 PART	材質 MATERIAL
④	キャリアテープ CARRIER TAPE	MXL生産分：ポリプロピレン(PP) PROCEED BY MXL: POLYPROPYLENE(PP) MXK生産分：ポリスチレン(PS) PROCEED BY MXK: POLYSTYRENE(PS)
⑤	トップテープ TOP TAPE	ポリエチレンテレフタレート(PET)、その他 POLYETHYLENE TEREPHTHALATE(PET), OTHER
⑥	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 >

17 発注番号
ORDER NUMBER
53398****

極数
CIRCUIT

533981576	533981571	15
533981476	533981471	14
533981376	533981371	13
533981276	533981271	12
533981176	533981171	11
533981076	533981071	10
533980976	533980971	9
533980876	533980871	8
533980776	533980771	7
533980676	533980671	6
533980576	533980571	5
533980476	533980471	4
533980376	533980371	3
533980276	533980271	2

色：黒 COLOUR: BLACK	色：ナチュラル(ベージュ) COLOUR: NATURAL (BEIGE)	極数 CIRCUIT
発注番号 ORDER NO.		
梱包形態：エンボス梱包		
PACKAGING：EMBOSSSED TAPE AND REEL		

DOCUMENT STATUS	P1	RELEASE DATE	2023/07/24	10:03:42
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45.4	49.4	40.4	20.8 19.55	24.5 23.25	18.7 17.45	20.2	44	15 14
33.4	37.4	28.4	18.3 17.05	22 20.75	16.2 14.95	14.2	32	13 12 11
25.4	29.4	--	14.55 13.3 12.05	18.25 17 15.75	12.45 11.2 9.95	11.5	24	10 9 8 7 6 5 4
17.4	21.4	--	5.8 4.55	9.5 8.25	3.7 2.45	7.5	16	3 2
P	N	M	L	K	J	H	キャリアテープ幅 G CARRIER TAPE WIDTH G	極数 CIRCUIT SIZE

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DIMENSION UNITS		SCALE		CURRENT REV DESC:															
mm		NTS		molex PICOBLADE 1.25 SMT VERTICAL TIN PLATING TYPE PRODUCT CUSTOMER DRAWING <table><tr><td colspan="2">DOCUMENT NUMBER</td><td>DOC TYPE</td><td>DOC PART</td><td>REVISION</td></tr><tr><td colspan="2">533980000-SD</td><td>PSD</td><td>000</td><td>D</td></tr></table>						DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	533980000-SD		PSD	000	D
DOCUMENT NUMBER		DOC TYPE	DOC PART							REVISION									
533980000-SD		PSD	000							D									
GENERAL TOLERANCES (UNLESS SPECIFIED)																			
ANGULAR TOL ± 3.0 °																			
4 PLACES ± 0.2		EC NO: 744677		DRWN: QHE31		2022/06/07													
3 PLACES ± 0.2		CHK'D: AIDA		2023/07/24															
2 PLACES ± 0.2		APPR: MARAI		2023/07/24															
1 PLACE ± 0.2		INITIAL REVISION:				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION									
0 PLACES ± 0.2		DRWN: SOBARA01				533980000-SD		PSD	000	D									
		APPR: AIDA				2019/04/04													
		2019/10/30																	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER	SHEET NUMBER								
				A2-SIZE		53398		SEE CHART		GENERAL	3 OF 4								

molex

PICOBLADE 1.25
SMT VERTICAL TIN PLATING TYPE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
533980000-SD	PSD	000	D

△2 適合製品及び各種仕様書

APPLICABLE PRODUCTS AND SPECIFICATIONS

梱包仕様書 PACKING SPECIFICATION		PART NUMBER		SPECIFICATION NUMBER	
		53398**71 / 53398**76		SPK-53398-002	
適合ハウジング APPLICABLE HOUSING		PART NUMBER			
		51021**00			
適合圧着端子 APPLICABLE TERMINAL	PLATING	TIN			
	PART NUMBER	500798*00	500588*00	500798001	500588001
	WIRE SIZE (AWG)	#26-28	#28-32	#26-28	#28-32
製品仕様書 PRODUCT SPECIFICATION		PS-51021-024 PS 001		510211124-PS PS 000	
アプリケーション仕様書 (取扱説明書) APPLICATION SPECIFICATION		510210000-AS PS 000			

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DIMENSION UNITS	SCALE	CURRENT REV DESC:		molex			
mm	NTS						
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 744677 DRWN: QHE31 2022/06/07 CHK'D: AIDA 2023/07/24 APPR: MARAI 2023/07/24		PICOBLADE 1.25 SMT VERTICAL TIN PLATING TYPE			
ANGULAR TOL	± 3.0 °			PRODUCT CUSTOMER DRAWING			
4 PLACES	± 0.2						
3 PLACES	± 0.2						
2 PLACES	± 0.2						
1 PLACE	± 0.2	INITIAL REVISION:		DOCUMENT NUMBER		DOC TYPE	DOC PART
0 PLACES	± 0.2	DRWN: SOBARA01 2019/04/04 APPR: AIDA 2019/10/30		533980000-SD		PSD	000
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	
			A2-SIZE	53398	SEE CHART	GENERAL	
						SHEET NUMBER	
						4 OF 4	