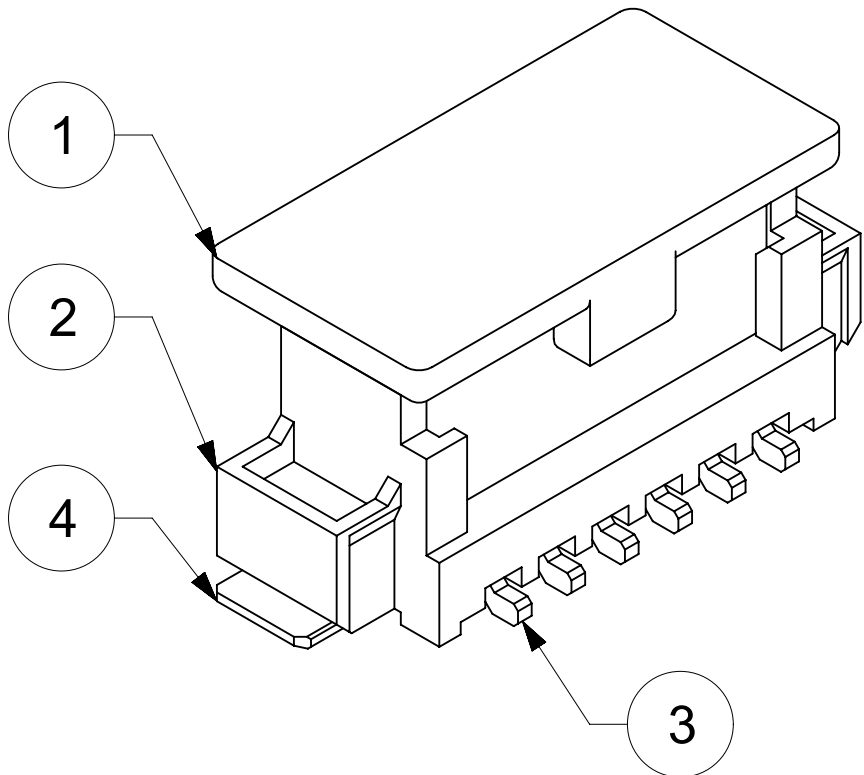
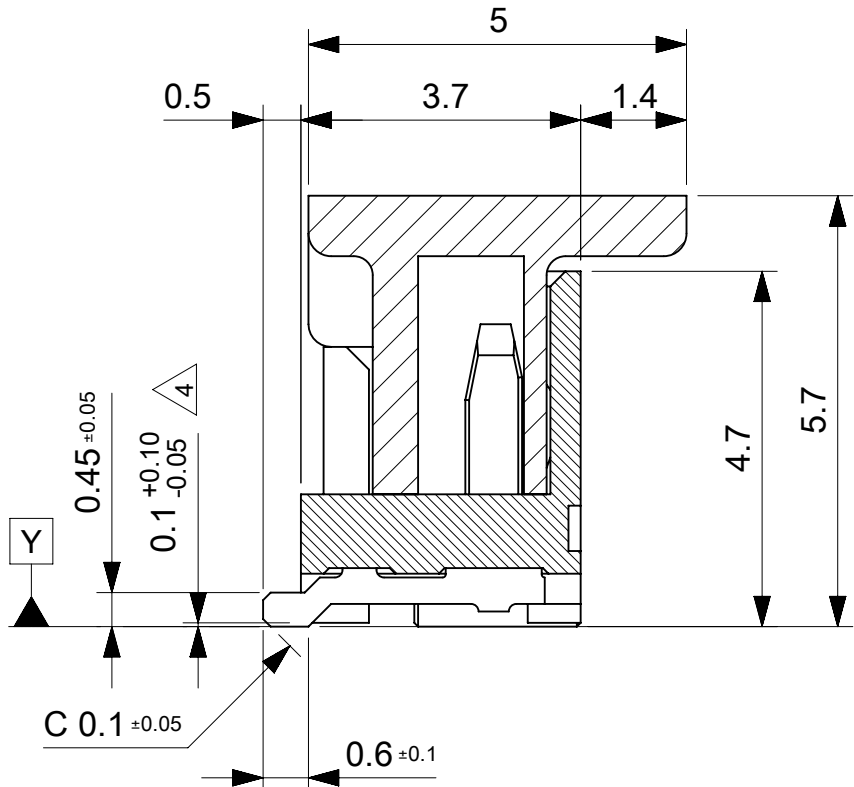
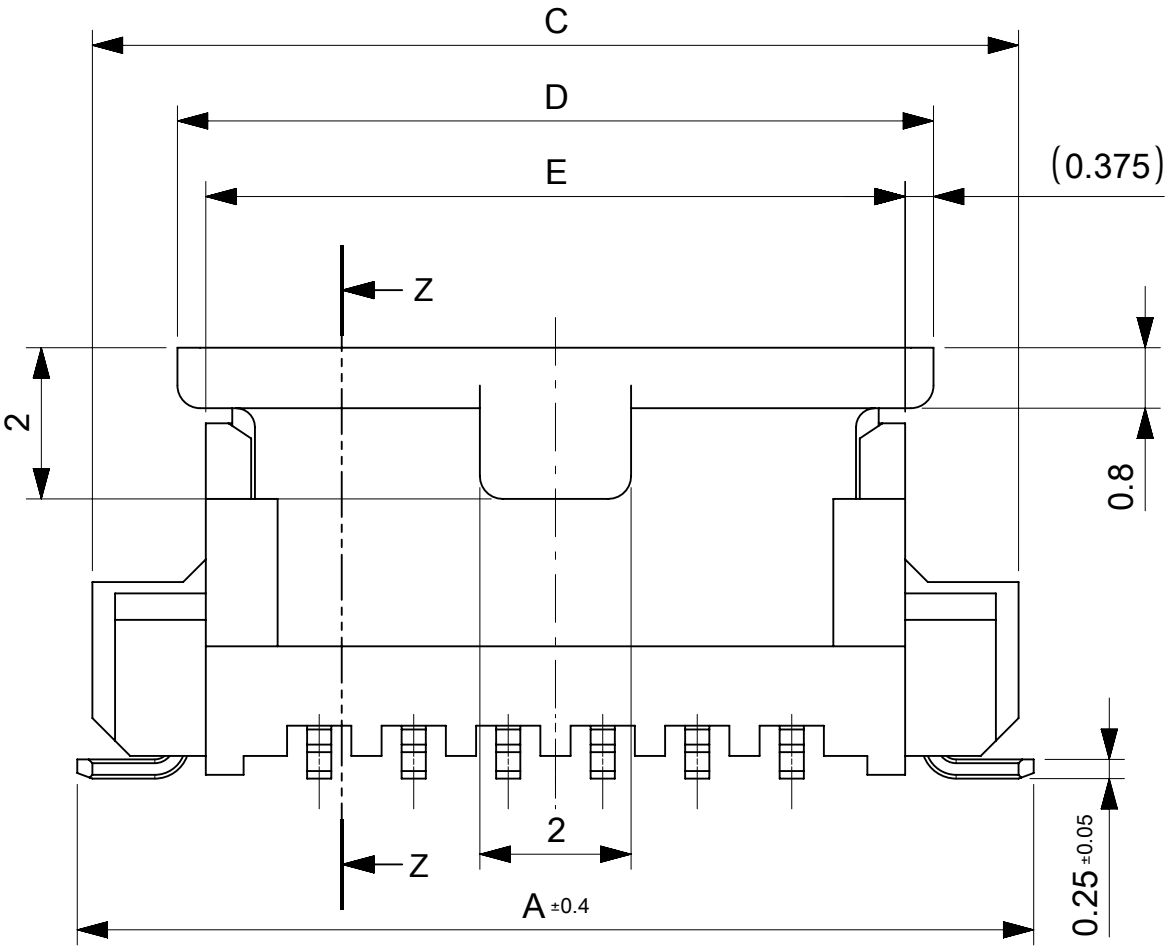
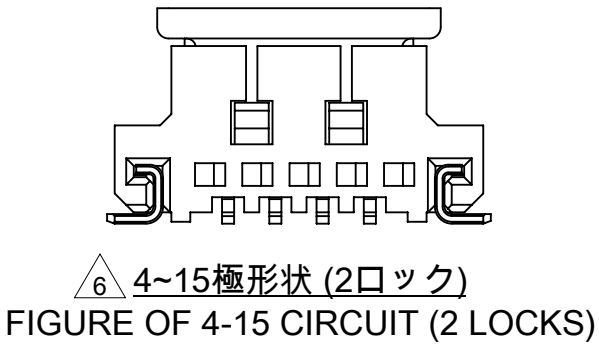
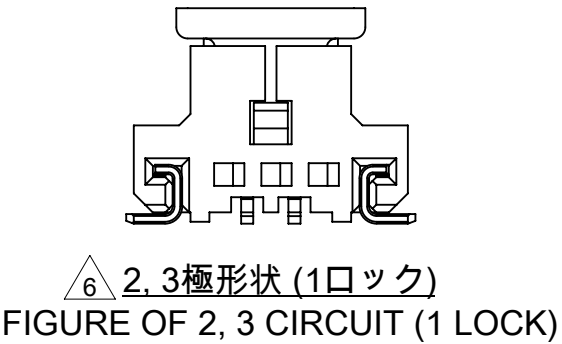
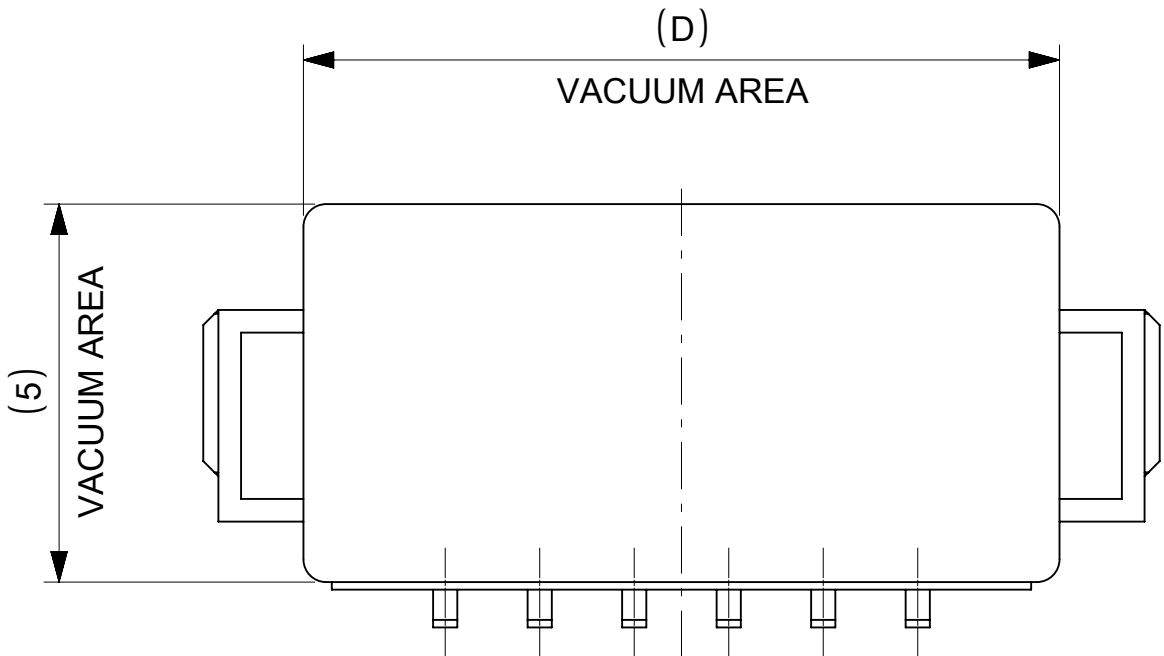




18.6	19.3	20.5	21.25	23.5	17.5	23.9	15
17.35	18.05	19.25	20	22.25	16.25	22.65	14
16.1	16.8	18	18.75	21	15	21.4	13
14.85	15.55	16.75	17.5	19.75	13.75	20.15	12
13.6	14.3	15.5	16.25	18.5	12.5	18.9	11
12.35	13.05	14.25	15	17.25	11.25	17.65	10
11.1	11.8	13	13.75	16	10	16.4	9
9.85	10.55	11.75	12.5	14.75	8.75	15.15	8
8.6	9.3	10.5	11.25	13.5	7.5	13.9	7
7.35	8.05	9.25	10	12.25	6.25	12.65	6
6.1	6.8	8	8.75	11	5	11.4	5
4.85	5.55	6.75	7.5	9.75	3.75	10.15	4
3.6	4.3	5.5	6.25	8.5	2.5	8.9	3
2.35	3.05	4.25	5	7.25	1.25	7.65	2
G	F	E	D	C	B	A	極数 CIRCUIT SIZE

1 TABLE 1

番号 NO.	部品 PART	材質 MATERIAL	
①	吸着キャップ VACUUM CAP	ポリアミド(PA), UL94V-0, GLASS-FILLED, 色: ナチュラル(ベージュ) POLYAMIDE(PA), UL94V-0, GLASS-FILLED, COLOR: NATURAL(BEIGE)	
②	ハウジング HOUSING	ポリアミド(PA), UL94V-0, GLASS-FILLED, 色: ナチュラル(ベージュ) POLYAMIDE(PA), UL94V-0, GLASS-FILLED, COLOR: NATURAL(BEIGE)	
③	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
④	ネイル NAIL	下地めっき UNDER PLATING	ニッケルめっき 1.0 MICROMETER MINIMUM NICKEL PLATING 1.0 MICROMETER MINIMUM
		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 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 NICKEL PLATING 1.0 MICROMETER MINIMUM
		DOCUMENT STATUS	
		P1	RELEASE DATE
		2022/04/19	08:41:26

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 4を参照のこと
REFER TO SHEET 4 ABOUT APPLICABLE PRODUCTS
AND VARIOUS SPECIFICATIONS
- 3 梱包形態：SHEET 3 参照
PACKAGING INFORMATION：SEE SHEET 3
- 4 水平面上におけるハウジング底面 Y 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 Y
- 5 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.
- 6 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.
- 7 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

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DIMENSION UNITS

mm

SCALE

NTS

CURRENT REV DESC: REVISED

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: 698818

DRWN: HHUSSIN

CHK'D: SAKIYAMA

APPR: AIDA

INITIAL REVISION:

DRWN: SOBARA01

APPR: SAKIYAMA

2022/02/16

2022/04/19

2022/04/19

2019/04/10

2019/04/25

PICOBLADE 1.25
SMT VERTICAL TYPE WITH VACUUM CAP

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

533980001-SD

DOC TYPE

PSD

DOC PART

000

REVISION

C

MATERIAL NUMBER

SEE CHART

CUSTOMER

GENERAL

SHEET NUMBER

1 OF 4

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

A2-SIZE

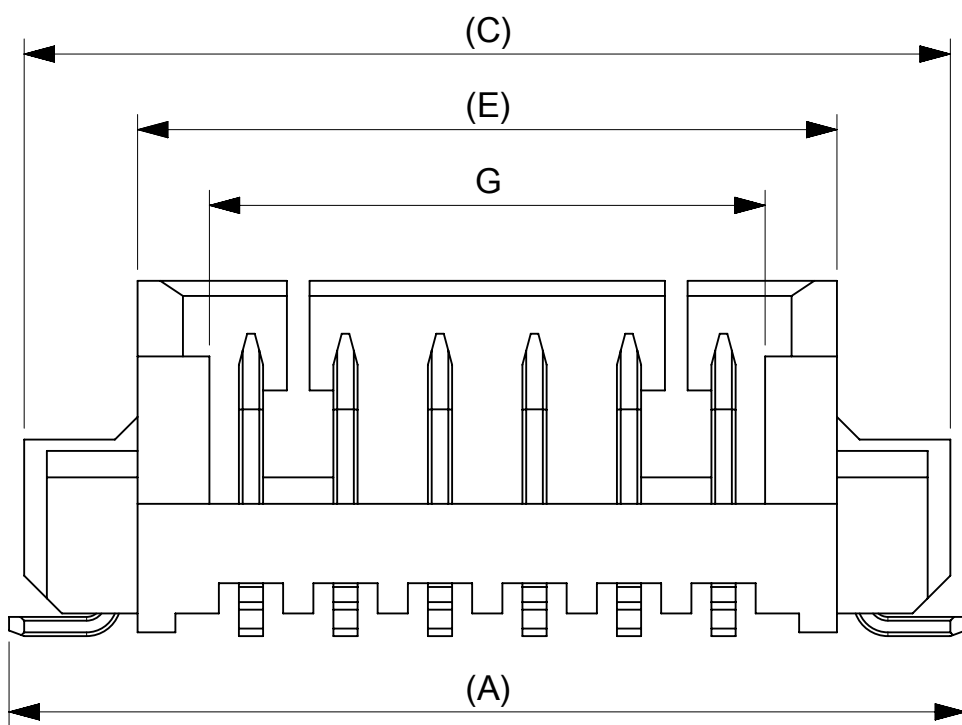
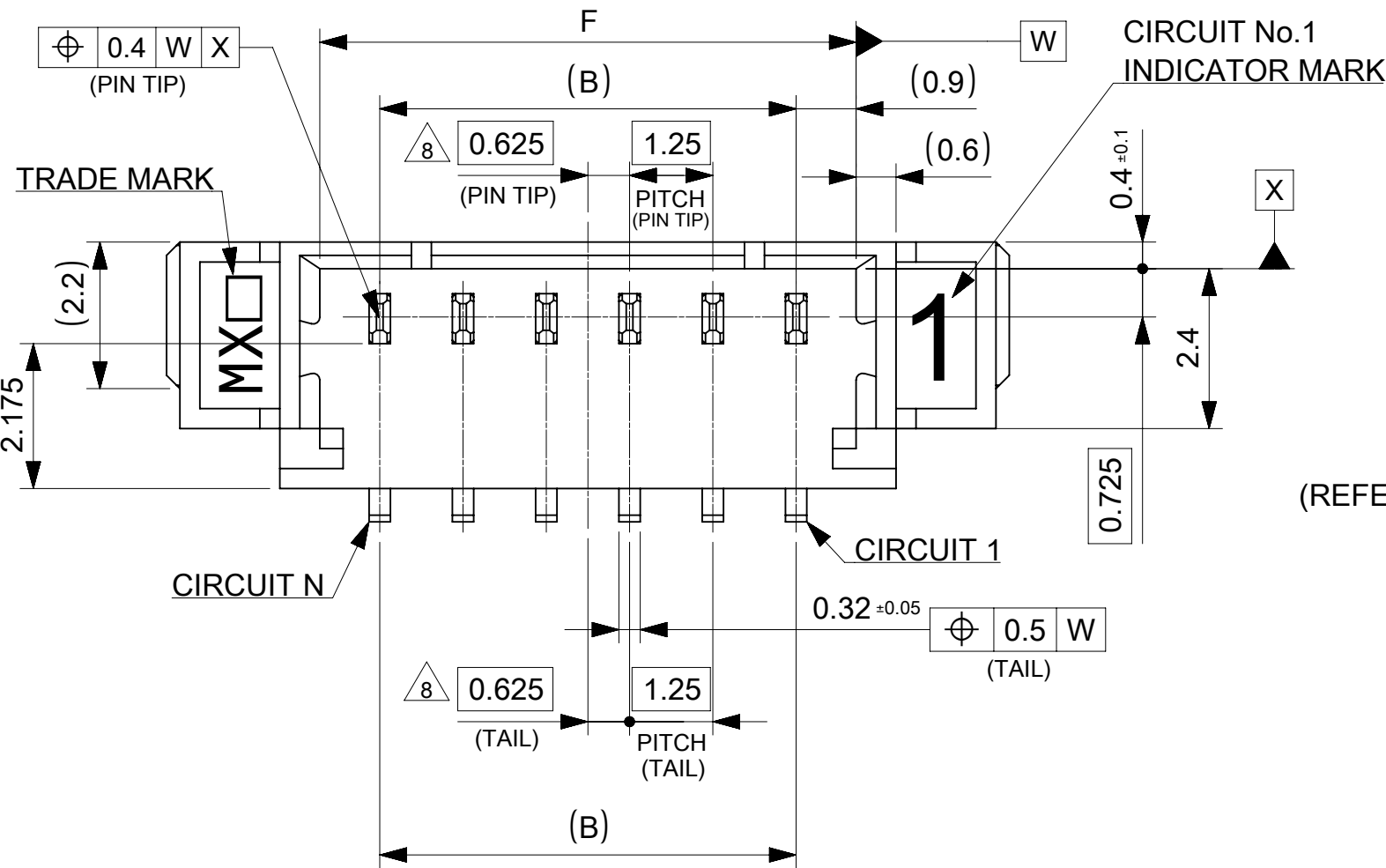
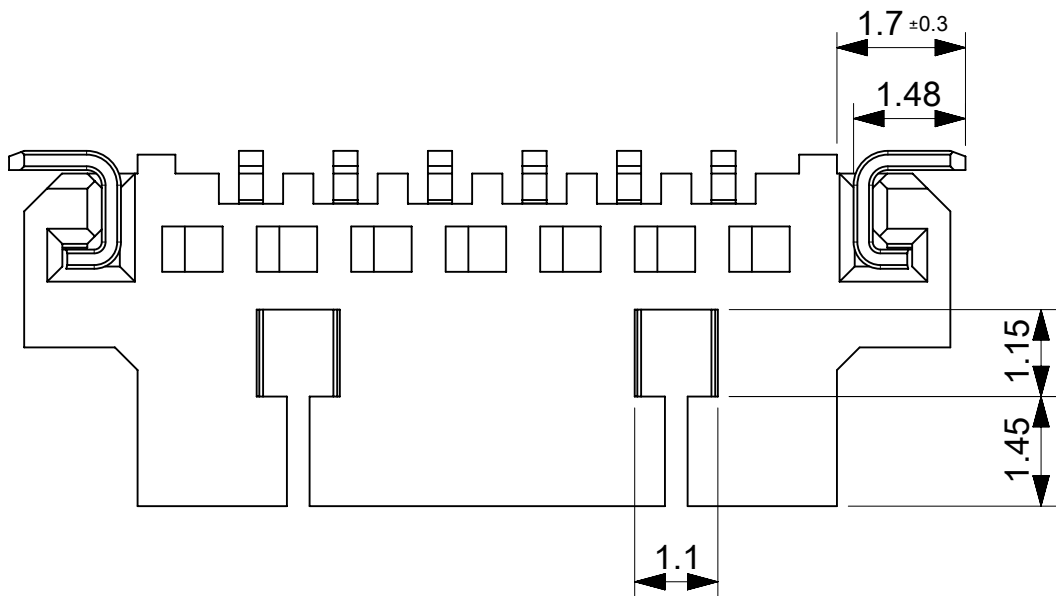
53398

SEE CHART

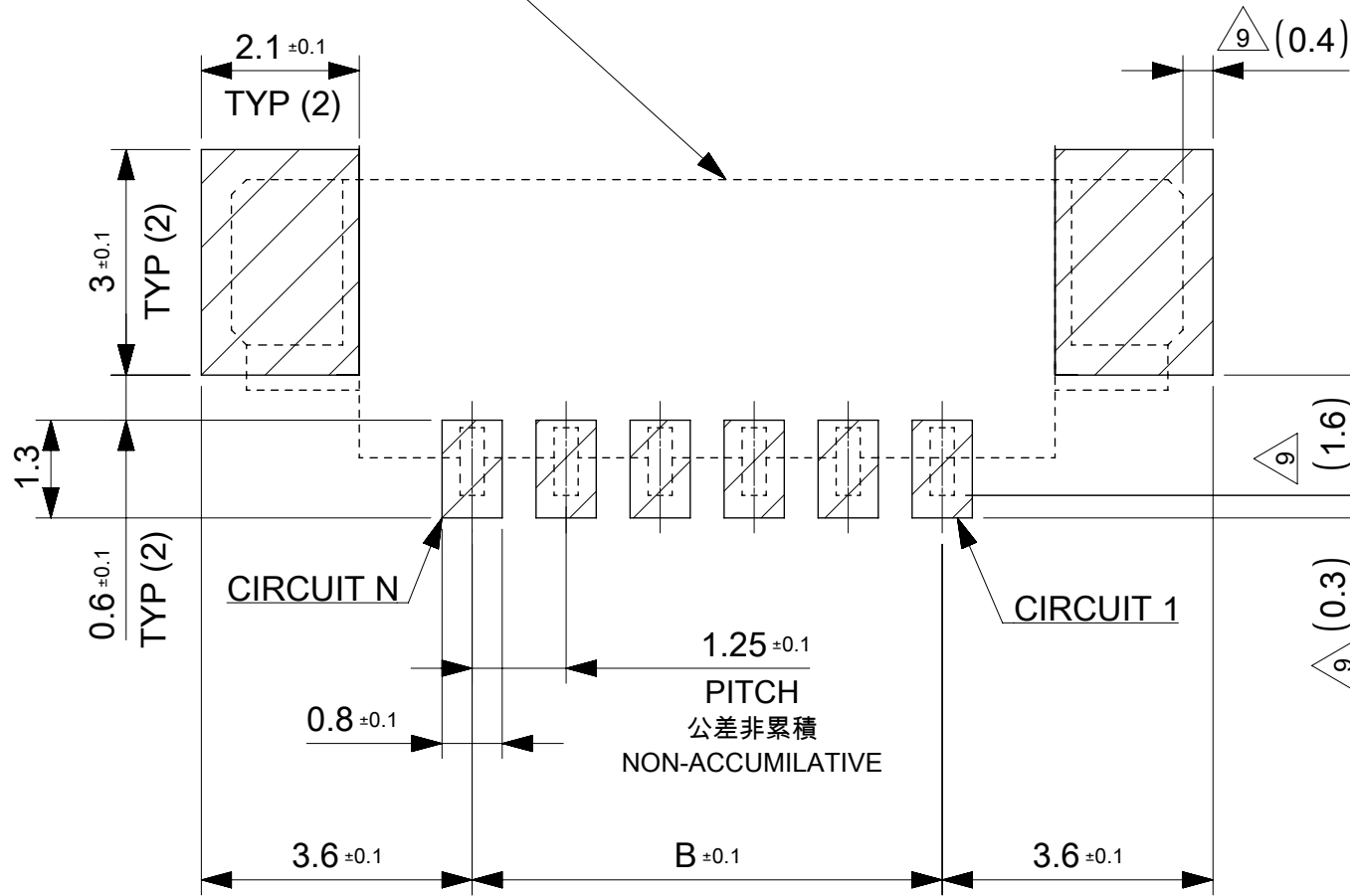
GENERAL

1 OF 4

キャップを外した状態
WITHOUT CAP



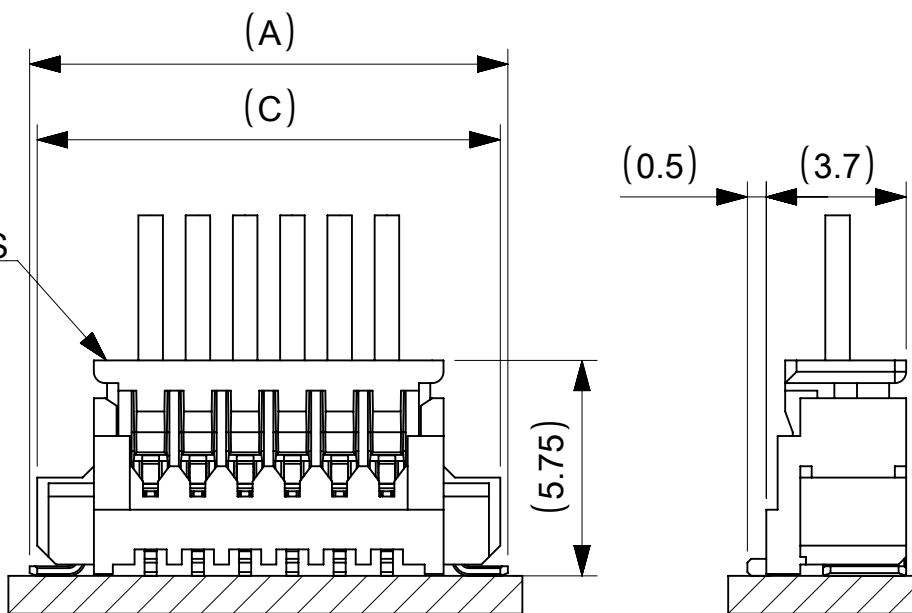
製品輪郭線 (キャップ除く)
CONNECTOR OUTLINE (WITHOUT CAP)



推奨基板レイアウト
RECOMMENDED PCB PATTERN

(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%)

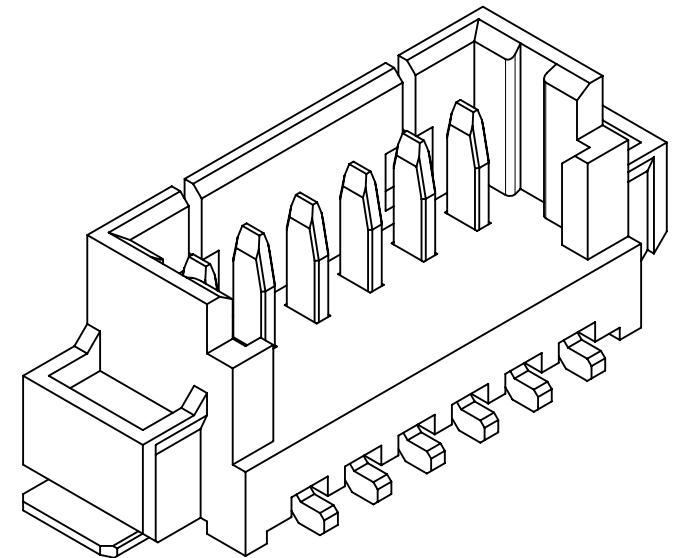
嵌合相手 : 51021 シリーズ
MATE WITH : 51021 SERIES



嵌合図
MATED CONNECTORS

NOTES

- 偶数極のみに適用
APPLY TO EVEN CIRCUIT PRODUCTS.
- 製品輪郭線からパッドまでの寸法を示す。
DIMENSIONS FROM CONNECTOR OUTLINE TO PAD
- 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に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 PWB PATTERN, AND INTERFERENCE BETWEEN PRODUCT AND PROTRUSIONS ON PWB.



18.6	19.3	20.5	21.25	23.5	17.5	23.9	15
17.35	18.05	19.25	20	22.25	16.25	22.65	14
16.1	16.8	18	18.75	21	15	21.4	13
14.85	15.55	16.75	17.5	19.75	13.75	20.15	12
13.6	14.3	15.5	16.25	18.5	12.5	18.9	11
12.35	13.05	14.25	15	17.25	11.25	17.65	10
11.1	11.8	13	13.75	16	10	16.4	9
9.85	10.55	11.75	12.5	14.75	8.75	15.15	8
8.6	9.3	10.5	11.25	13.5	7.5	13.9	7
7.35	8.05	9.25	10	12.25	6.25	12.65	6
6.1	6.8	8	8.75	11	5	11.4	5
4.85	5.55	6.75	7.5	9.75	3.75	10.15	4
3.6	4.3	5.5	6.25	8.5	2.5	8.9	3
2.35	3.05	4.25	5	7.25	1.25	7.65	2
G	F	E	D	C	B	A	極数 CIRCUIT SIZE

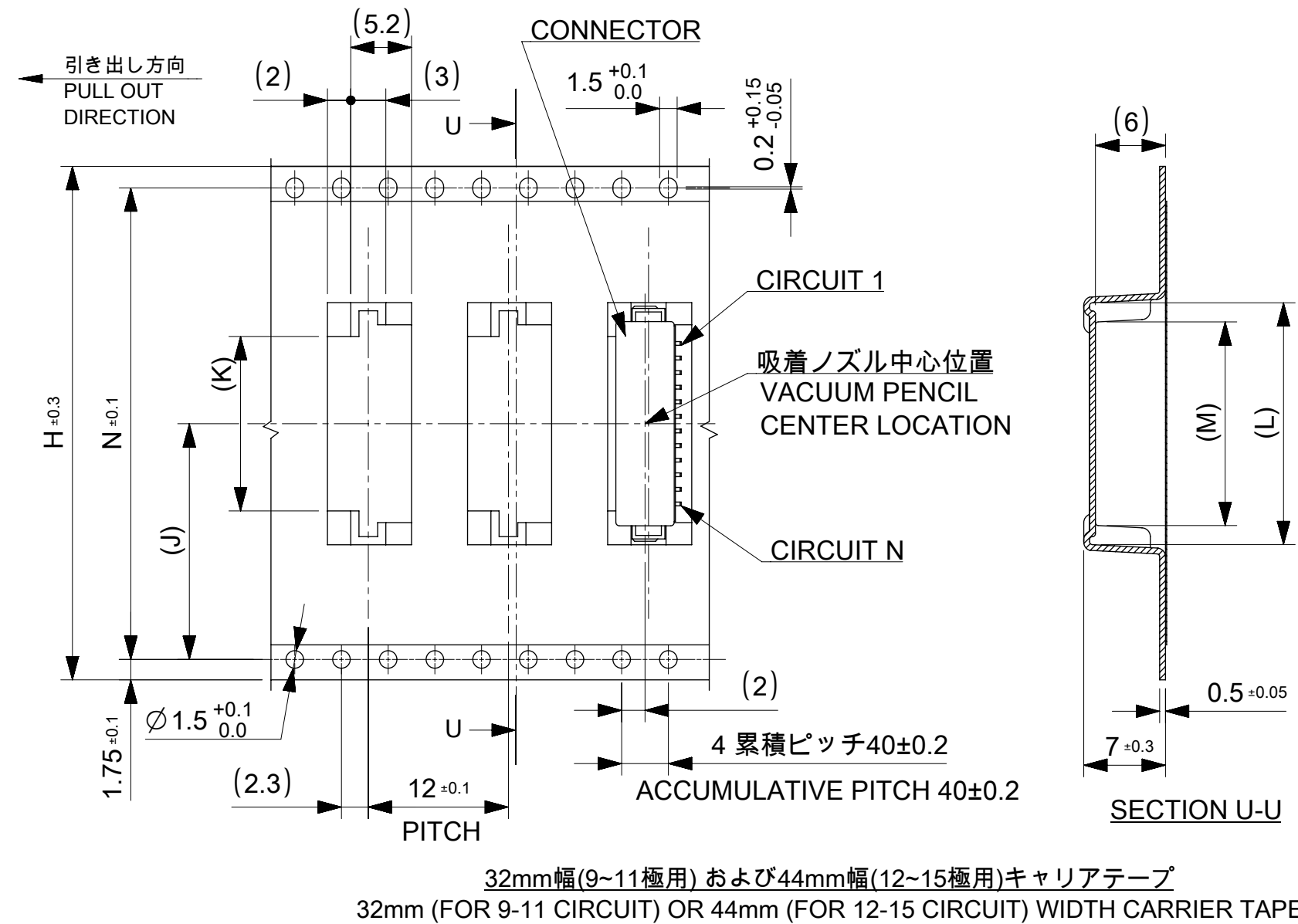
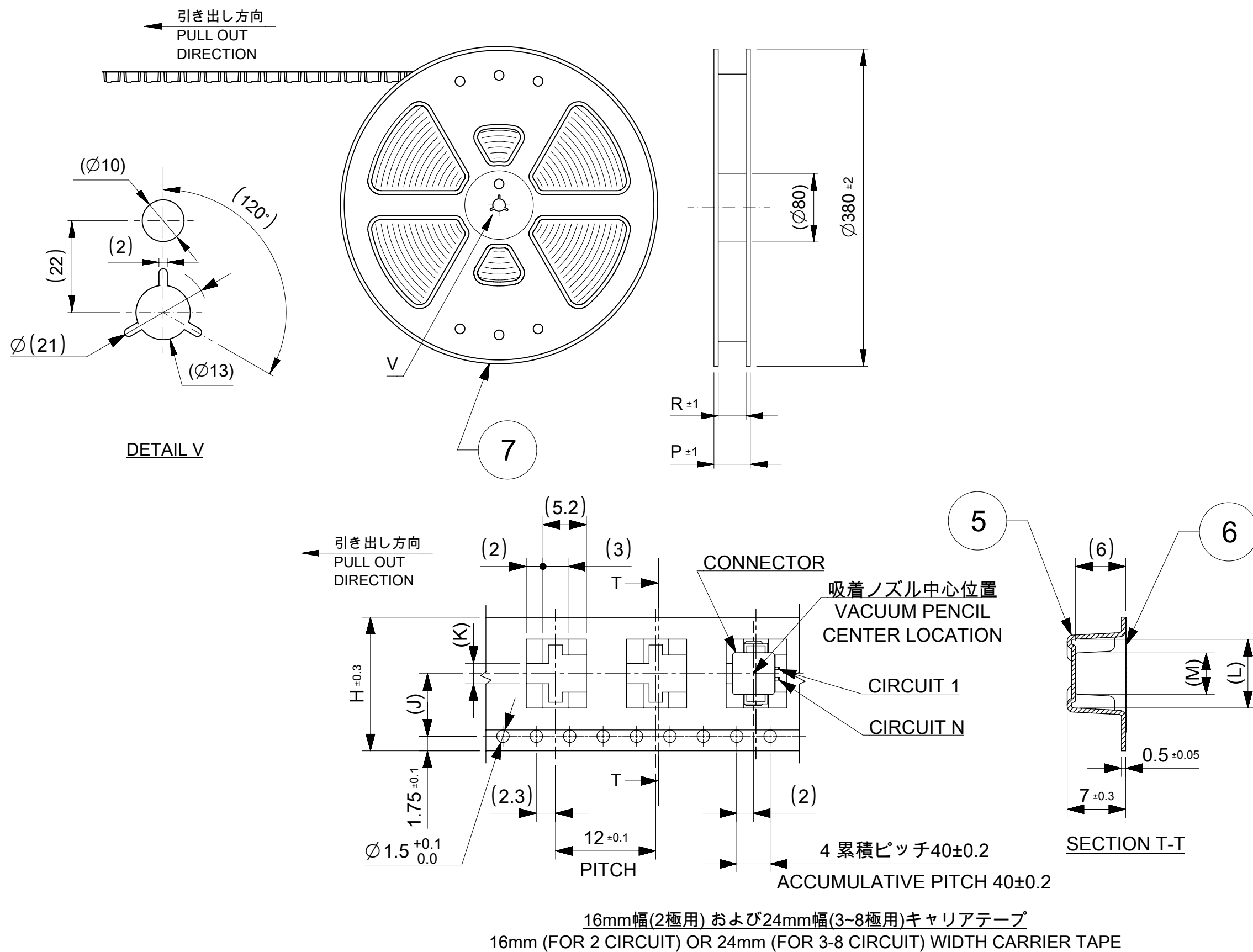
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS		SCALE		CURRENT REV DESC: REVISED				molex PICOBLADE 1.25 SMT VERTICAL TYPE WITH VACUUM CAP							
mm		NTS													
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 698818 DRWN: HHUSSIN 2022/02/16 CHK'D: SAKIYAMA 2022/04/19 APPR: AIDA 2022/04/19 INITIAL REVISION: DRWN: SOBARA01 2019/04/10 APPR: SAKIYAMA 2019/04/25								PRODUCT CUSTOMER DRAWING			
ANGULAR TOL ± 3.0 °															
4 PLACES ± 0.2								DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
3 PLACES ± 0.2								533980001-SD		PSD		000		C	
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		CUSTOMER		SHEET NUMBER	
						A2-SIZE		53398		SEE CHART		GENERAL		2 OF 4	

molex

PICOBLADE 1.25
SMT VERTICAL TYPE WITH VACUUM CAP

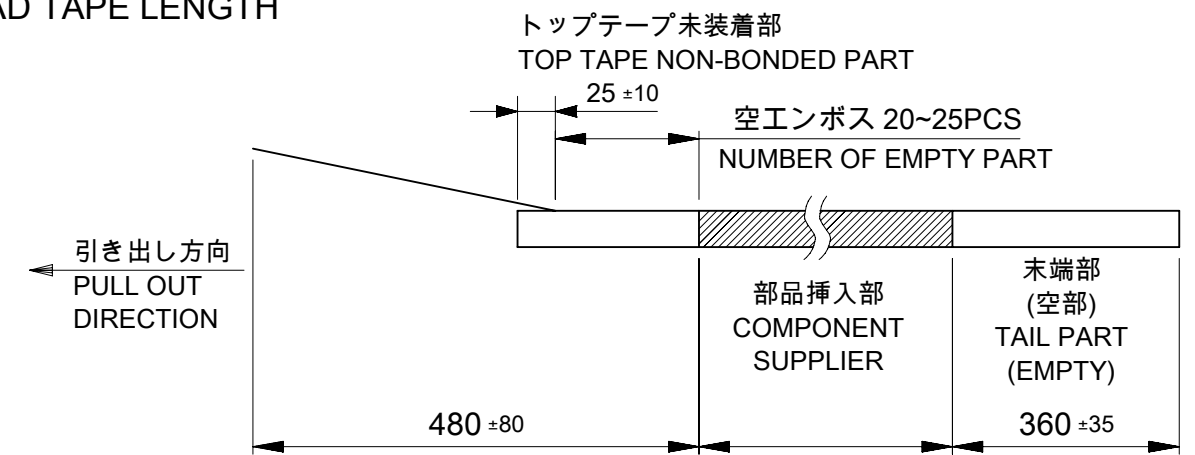
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
533980001-SD	PSD	000	C



NOTES

11. 梱包数量：1000個/リール
NUMBER OF CONNECTOR : 1000PCS / REEL
12. リードテープ長さ
LEAD TAPE LENGTH



13. 材料：TABLE 2 参照
MATERIAL：REFER TO TABLE 2
14. 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.
15. 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.
16. 梱包仕様書：SPK-53398-002
PACKAGING SPECIFICATION：SPK-53398-002

13 TABLE 2

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) POLYPROPYLENE(PP)
⑥	トップテープ TOP TAPE	ポリエチレン (PE)、その他 POLYETHYLENE (PE), ETC
⑦	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 >

45.4	49.4	40.4	20.8	24.5	18.7	20.2	44	15
			19.55	23.25	17.45			14
			18.3	22	16.2			13
			17.05	20.75	14.95			12
33.4	37.4	28.4	15.8	19.5	13.7	14.2	32	11
			14.55	18.25	12.45			10
			13.3	17	11.2			9
25.4	29.4	--	12.05	15.75	9.95	11.5	24	8
			10.8	14.5	8.7			7
			9.55	13.25	7.45			6
			8.3	12	6.2			5
			7.05	10.75	4.95			4
			5.8	9.5	3.7			3
17.4	21.4	--	4.55	8.25	2.45	7.5	16	2
R	P	N	M	L	K	J	キャリアテープ幅 H CARRIER TAPE WIDTH H	極数 CIRCUIT SIZE

△17 発注番号
ORDER NUMBER
53398**67

極数
CIRC

533981567	15
533981467	14
533981367	13
533981267	12
533981167	11
533981067	10
533980967	9
533980867	8
533980767	7
533980667	6
533980567	5
533980467	4
533980367	3
533980267	2
発注番号 ORDER NO.	極数
PACKAGING : EMBOSSED TAPE AND REEL	CIRCUIT

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DIMENSION UNITS		SCALE		CURRENT REV DESC: REVISED				molex										
mm		NTS																
GENERAL TOLERANCES (UNLESS SPECIFIED)								PICOBLADE 1.25 SMT VERTICAL TYPE WITH VACUUM CAP										
ANGULAR TOL ± 3.0 °																		
4 PLACES ± 0.2																		
3 PLACES ± 0.2				PRODUCT CUSTOMER DRAWING														
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		CUSTOMER		SHEET NUMBER						
				A2-SIZE		53398		SEE CHART		GENERAL		3 OF 4						
		EC NO: 698818		DRWN: HHUSSIN		2022/02/16		DOCUMENT NUMBER 533980001-SD					DOC TYPE		DOC PART		REVISION	
		CHK'D: SAKIYAMA		2022/04/19									PSD		000		C	
		APPR: AIDA		2022/04/19														
		INITIAL REVISION:		DRWN: SOBARA01		2019/04/10												
		APPR: SAKIYAMA		2019/04/25														

△₂ 適合製品および各種仕様書

APPLICABLE PRODUCTS AND SPECIFICATIONS

梱包仕様書 PACKING SPECIFICATION		PART NUMBER		SPECIFICATION NUMBER	
		53398**67		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-51021-025 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: REVISED		molex			
mm	NTS						
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 698818 DRWN: HHUSSIN 2022/02/16 CHK'D: SAKIYAMA 2022/04/19 APPR: AIDA 2022/04/19		PICOBLADE 1.25 SMT VERTICAL TYPE WITH VACUUM CAP			
ANGULAR TOL	± 3.0 °			PRODUCT CUSTOMER DRAWING			
4 PLACES	± 0.2			DOCUMENT NUMBER 533980001-SD PSD000C			
3 PLACES	± 0.2						
2 PLACES	± 0.2						
1 PLACE	± 0.2	INITIAL REVISION: DRWN: SOBARA01 2019/04/10 APPR: SAKIYAMA 2019/04/25					
0 PLACES	± 0.2						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING A2-SIZE	SERIES 53398	MATERIAL NUMBER SEE CHART	CUSTOMER GENERAL	SHEET NUMBER 4 OF 4