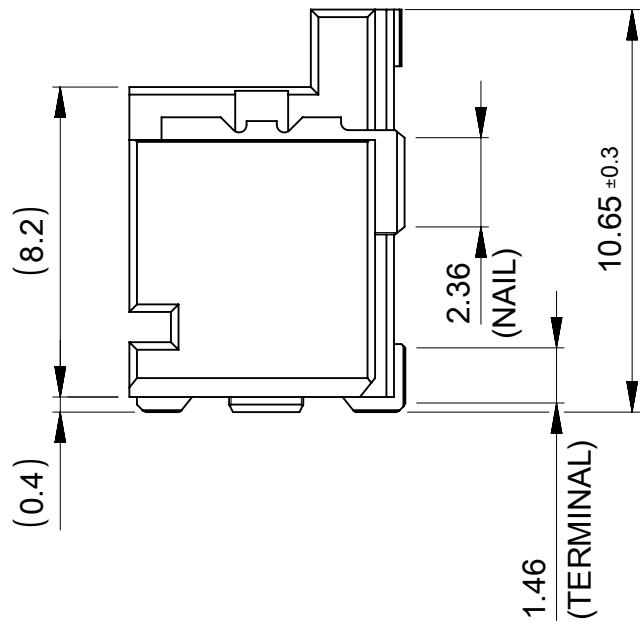
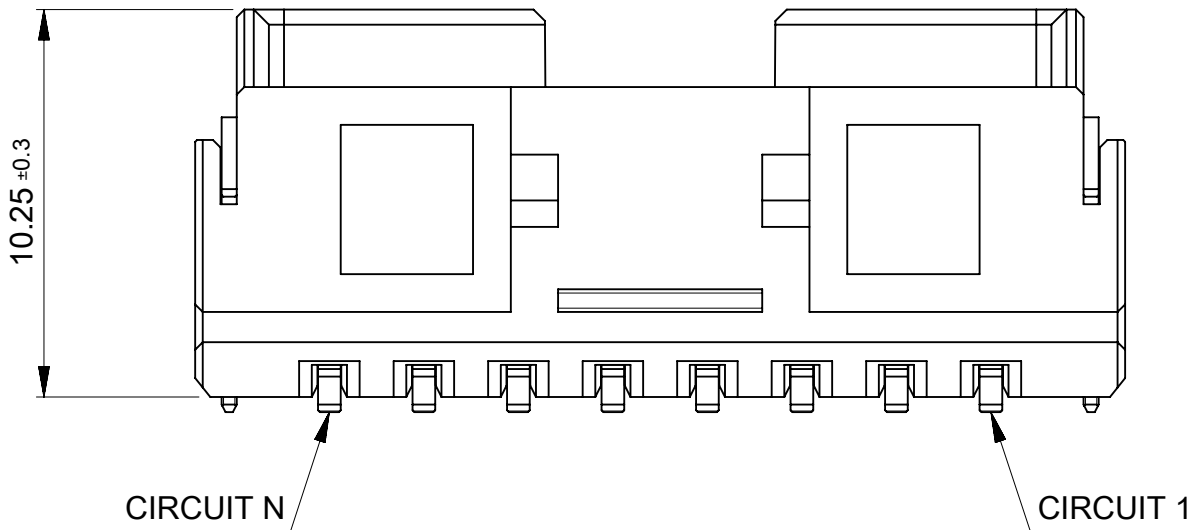
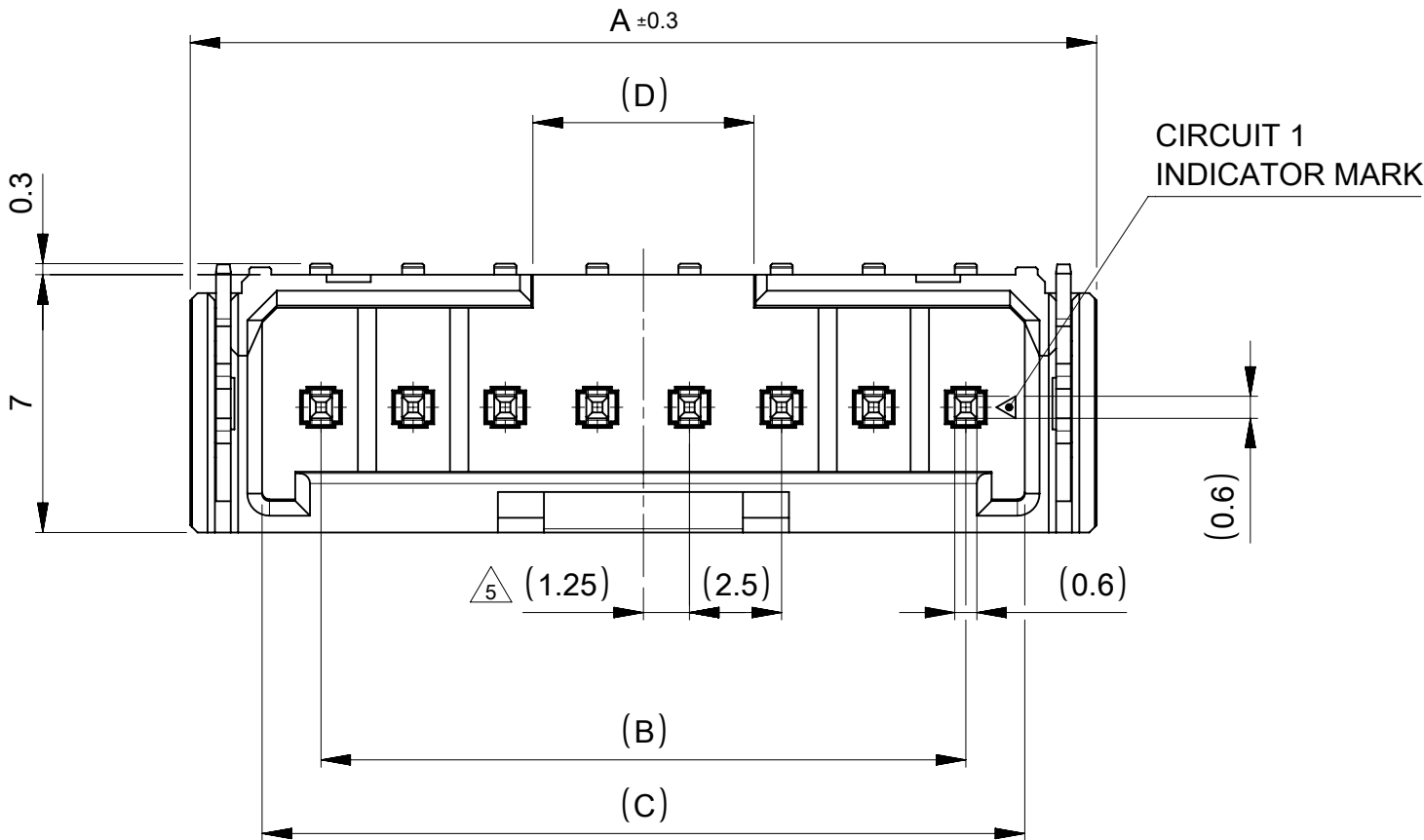




キャビティ番号
CAVITY No.

①ハウジング
HOUSING

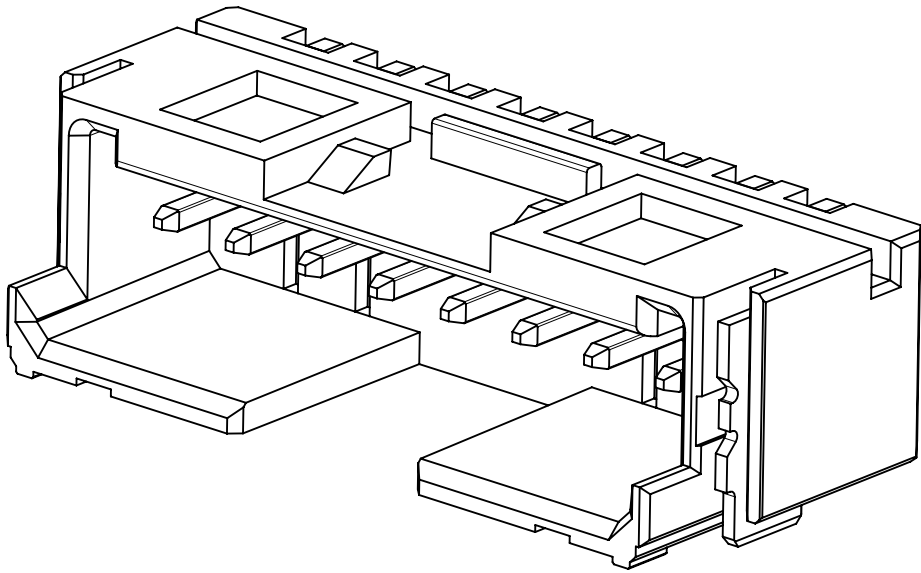
トレードマーク
TRADE MARK

③ネイル
NAIL

②ターミナル
TERMINAL

△ TABLE 1

番号 NO.	部品 PART	材質 MATERIAL
①	ハウジング HOUSING	ポリアミド(PA),ガラス充填,UL94 V-0,色 : SHEET 1参照 POLYAMIDE (PA),GLASS FILLED,UL94 V-0,COLOR:SEE SHEET 1
②	ターミナル TERMINAL	黄銅 BRASS 錫めっき : 1.0 MICROMETER MINIMUM MATTE TIN PLATING ニッケルめっき(下地めっき) : 1.0 MICROMETER MINIMUM NICKEL PLATING (UNDER PLATING)
③	ネイル NAIL	黄銅 BRASS 錫めっき : 1.0 MICROMETER MINIMUM MATTE TIN PLATING ニッケルめっき(下地めっき) : 1.0 MICROMETER MINIMUM NICKEL PLATING (UNDER PLATING)
DOCUMENT STATUS		P1
RELEASE DATE		2023/07/06
11:27:55		



NOTES

- △ 材料及び仕上げ(めっき仕様) : TABLE 1参照
MATERIAL AND FINISHES : SEE TABLE 1
2. 製品仕様書 : 511630000-PS 000
PRODUCT SPECIFICATION:511630000-PS 000
3. 嵌合相手 : 51163 シリーズ
MATES WITH:51163 SERIES
4. アプリケーション仕様書(コネクタ取扱い説明書) : 2166940000-AS PS 000
APPLICATION SPECIFICATION(CONNECTOR MANUAL) : 2166940000-AS PS 000
- △ 5. 偶数極に適合
APPLY FOR EVEN CIRCUIT
6. GLOW WIRE TEST適合品
THIS PRODUCT IS GLOW WIRE TEST COMPATIBLE.
7. ターミナルとネイルの平坦度は0.15mm以下
TERMINAL AND NAIL COPLANARITY : 0.15mm MAXIMUM.
- △ 8. 発注番号 ORDER NUMBER

215932 ** 7 *

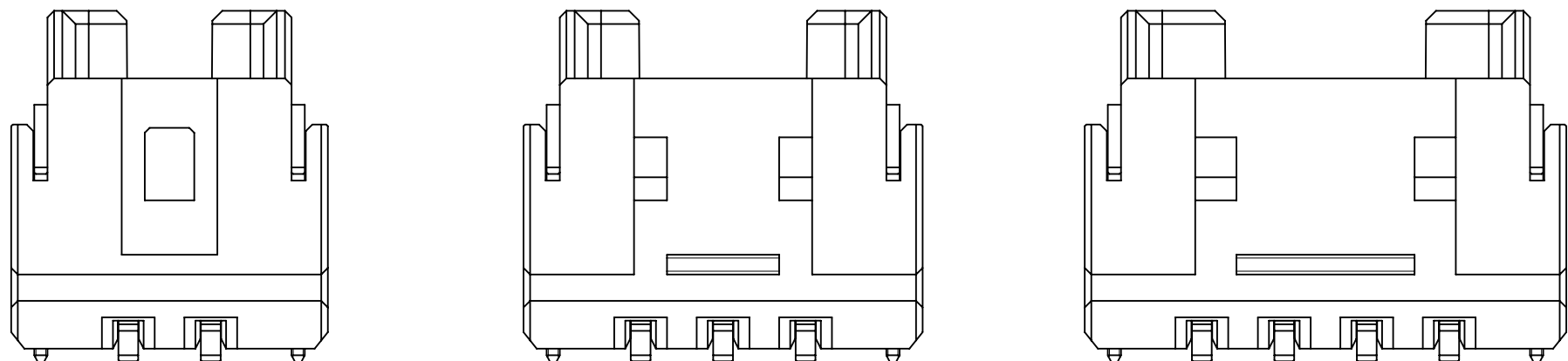
極数
CIRCUIT SIZE

番号 NO.	ハウジングカラー HOUSING COLOR
0	ナチュラル(ベージュ) NATURAL(BEIGE)
1	黒 BLACK

△ 8 製品一覧 PRODUCT LIST

				黒 BLACK	ナチュラル (ベージュ) NATURAL (BEIGE)	ハウジングカラー HOUSING COLOR
6	38.2	35	42.1	2159321571	2159321570	15
6	35.7	32.5	39.6	2159321471	2159321470	14
6	33.2	30	37.1	2159321371	2159321370	13
6	30.7	27.5	34.6	2159321271	2159321270	12
6	28.2	25	32.1	2159321171	2159321170	11
6	25.7	22.5	29.6	2159321071	2159321070	10
6	23.2	20	27.1	2159320971	2159320970	9
6	20.7	17.5	24.6	2159320871	2159320870	8
6	18.2	15	22.1	2159320771	2159320770	7
6	15.7	12.5	19.6	2159320671	2159320670	6
6	13.2	10	17.1	2159320571	2159320570	5
6	10.7	7.5	14.6	2159320471	2159320470	4
5	8.2	5	12.1	2159320371	2159320370	3
2.5	5.7	2.5	9.6	2159320271	2159320270	2
D	C	B	A	オーダー番号 : ORDER NUMBER		極数 CIRCUIT SIZE
				梱包形態 : エンボス梱包 PACKAGING : EMBOSSED TAPE AND REEL		

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 MINI-LOCK 2.5 SINGLE ROW HEADER ASSEMBLY SMT RA						
mm		NTS											
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 755760 DRWN: RWATANABE01 2023/07/05 CHK'D: AIDA 2023/07/06 APPR: SAKIYAMA 2023/07/06 INITIAL REVISION: DRWN: RWATANABE01 2021/11/11 APPR: SAKIYAMA 2022/04/01									
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		SERIES		PRODUCT CUSTOMER DRAWING			
										DOCUMENT NUMBER		DOC TYPE	DOC PART
								2159320000-SD		PSD	000	B	
								MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A2-SIZE		215932		SEE SHEET1		GENERAL	1 OF 3

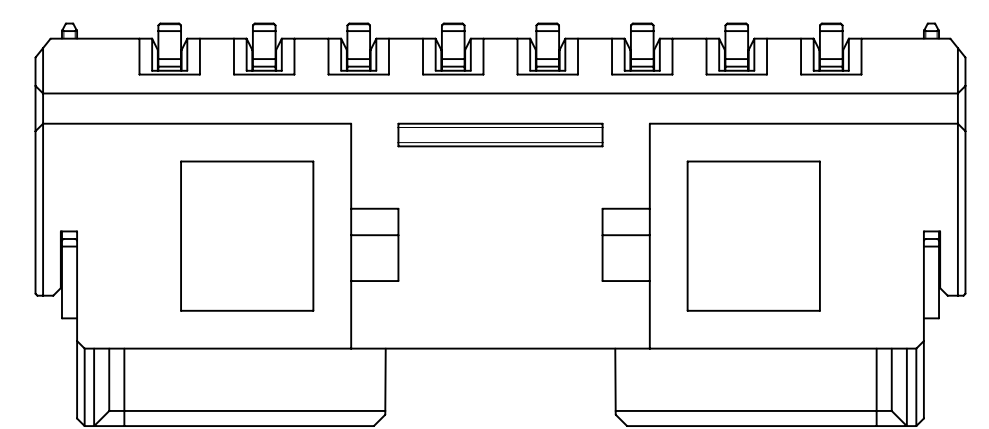


2CIRCUIT

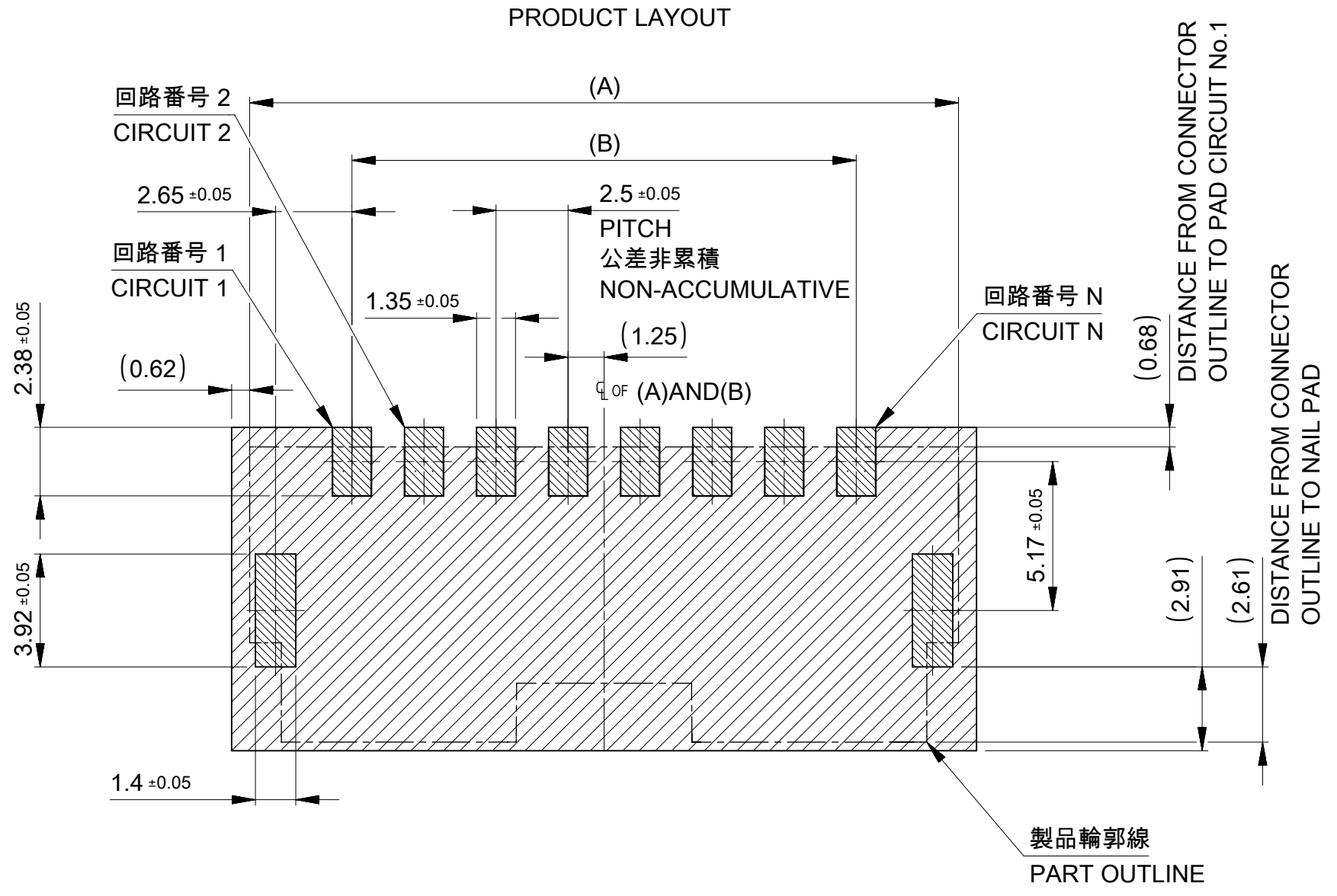
3CIRCUIT

4-15CIRCUIT

ロック形状図
LOCK CONFIGURATION



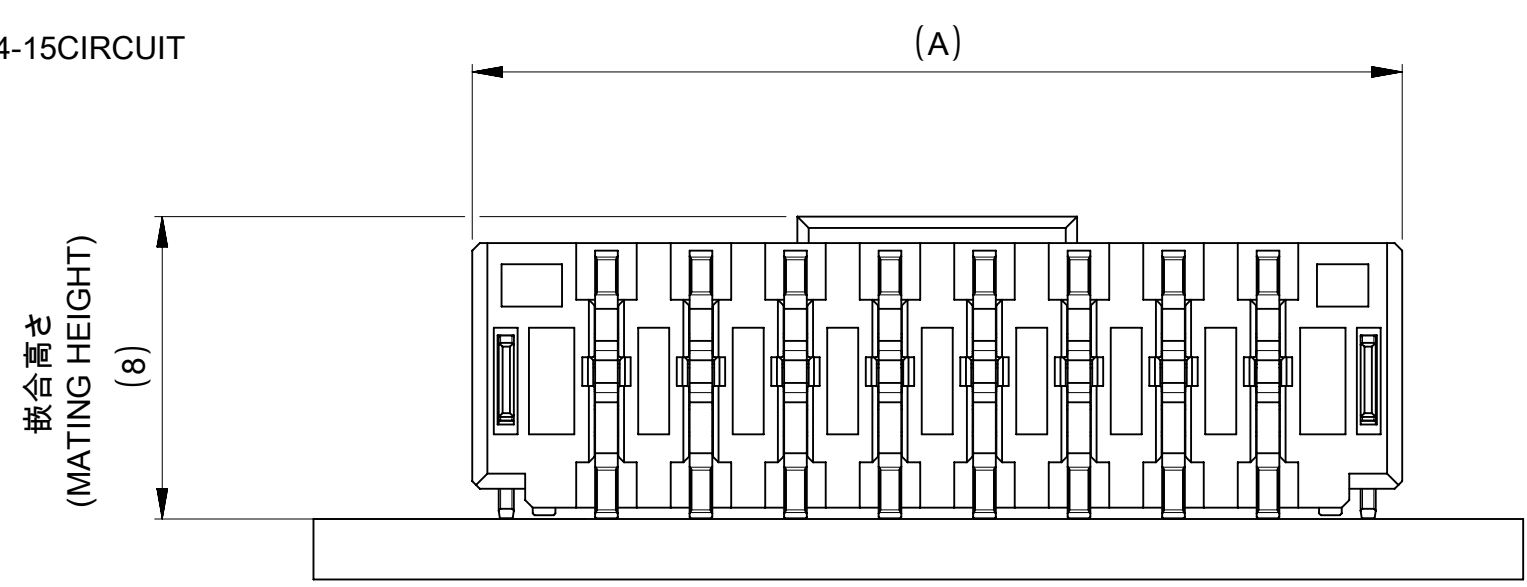
製品レイアウト
PRODUCT LAYOUT



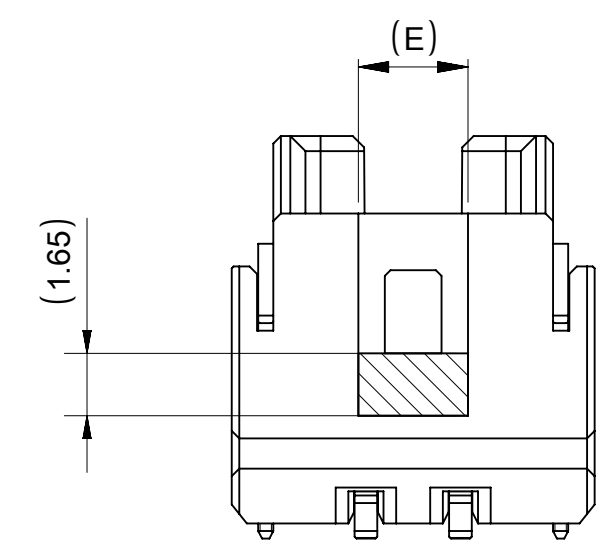
推奨基板レイアウト
RECOMMENDED PCB PATTERN LAYOUT

(参考：基板厚1.6mm, メタルマスク厚さ 0.15mm, マスク開口率 100%)
(REFERENCE: PCB THICKNESS 1.6mm, STENCIL THICKNESS 0.15mm, APERTURE RATIO 100%)

パターン非推奨エリア
パターンを引き回す際は、製品機能に影響がないことをご確認ください。
PATTERN IS NOT RECOMMENDED ON THE HATCHING AREA
PLEASE CHECK NOT TO HAVE PROBLEM FOR PRODUCT FUNCTION
WHEN SETTING PATTERN ON THE HATCHING AREA.



嵌合高さ
(MATING HEIGHT)
(8)

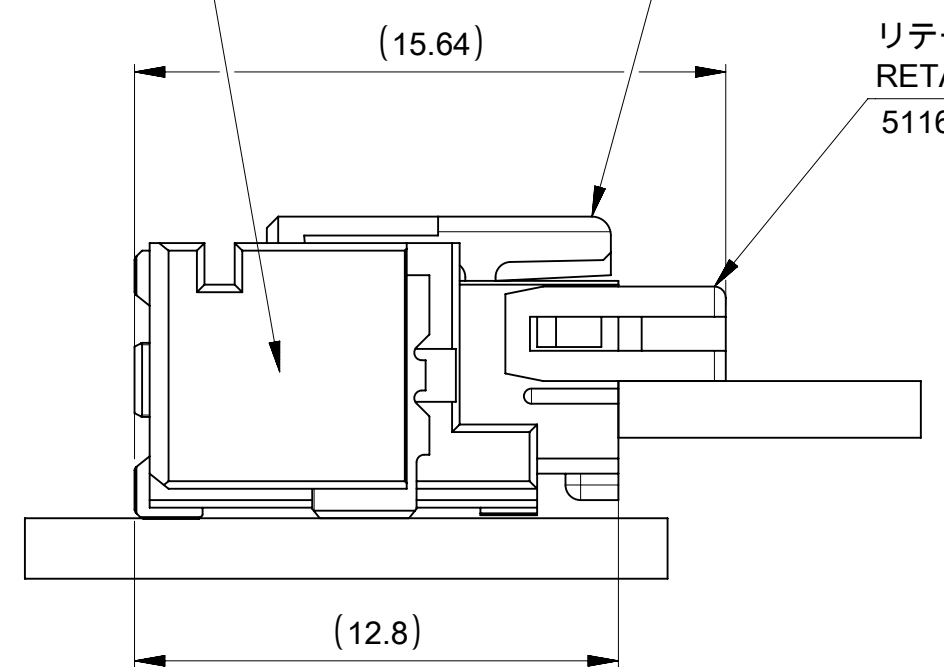


2CIRCUIT

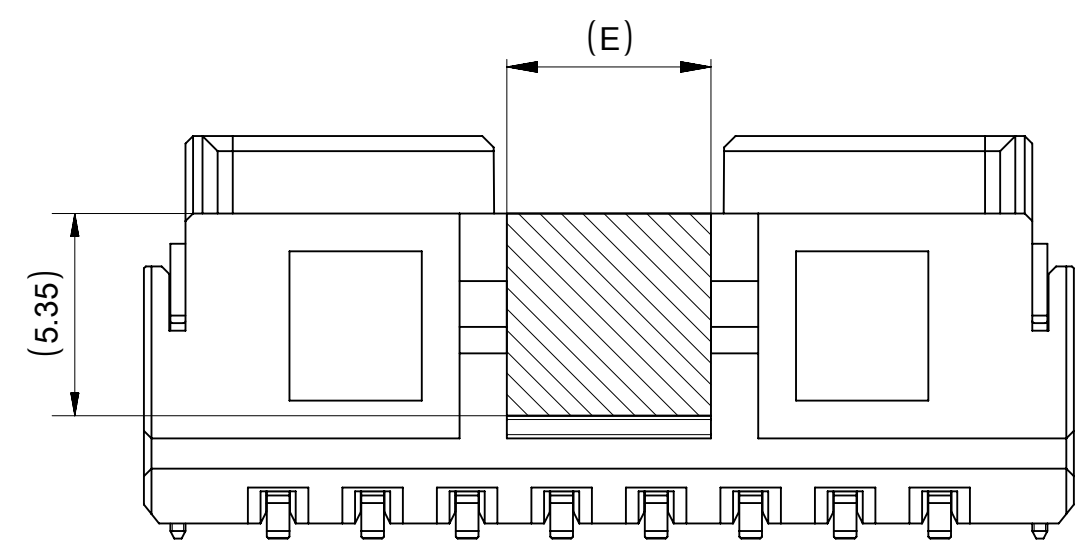
ヘッダー アセンブリ
HEADER ASSEMBLY
215932**0*

ハウジング
HOUSING
51163****

リテーナー
RETAINER
51164**05



嵌合状態図
MATED CONNECTORS



3-15CIRCUIT

吸着範囲
SUCTION AREA

5.4	15
5.4	14
5.4	13
5.4	12
5.4	11
5.4	10
5.4	9
5.4	8
5.4	7
5.4	6
5.4	5
5.4	4
3.4	3
2.9	2
E	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				
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		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
				A2-SIZE	215932	SEE SHEET1	GENERAL	2 OF 3

EC NO: 755760
DRWN: RWATANABE01
CHK'D: AIDA
APPR: SAKIYAMA

2023/07/05
2023/07/06
2023/07/06

INITIAL REVISION:
DRWN: RWATANABE01
APPR: SAKIYAMA

2021/11/11
2022/04/01

DOCUMENT NUMBER
2159320000-SD

DOC TYPE
PSD

DOC PART
000

REVISION
B

DOCUMENT STATUS	P1	RELEASE DATE	2023/07/06	11:27:55
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FORMA01: Header-05-0000-A2

REVISION: J1

DATE: 2023/05/01

13

12

11

10

9

8

7

6

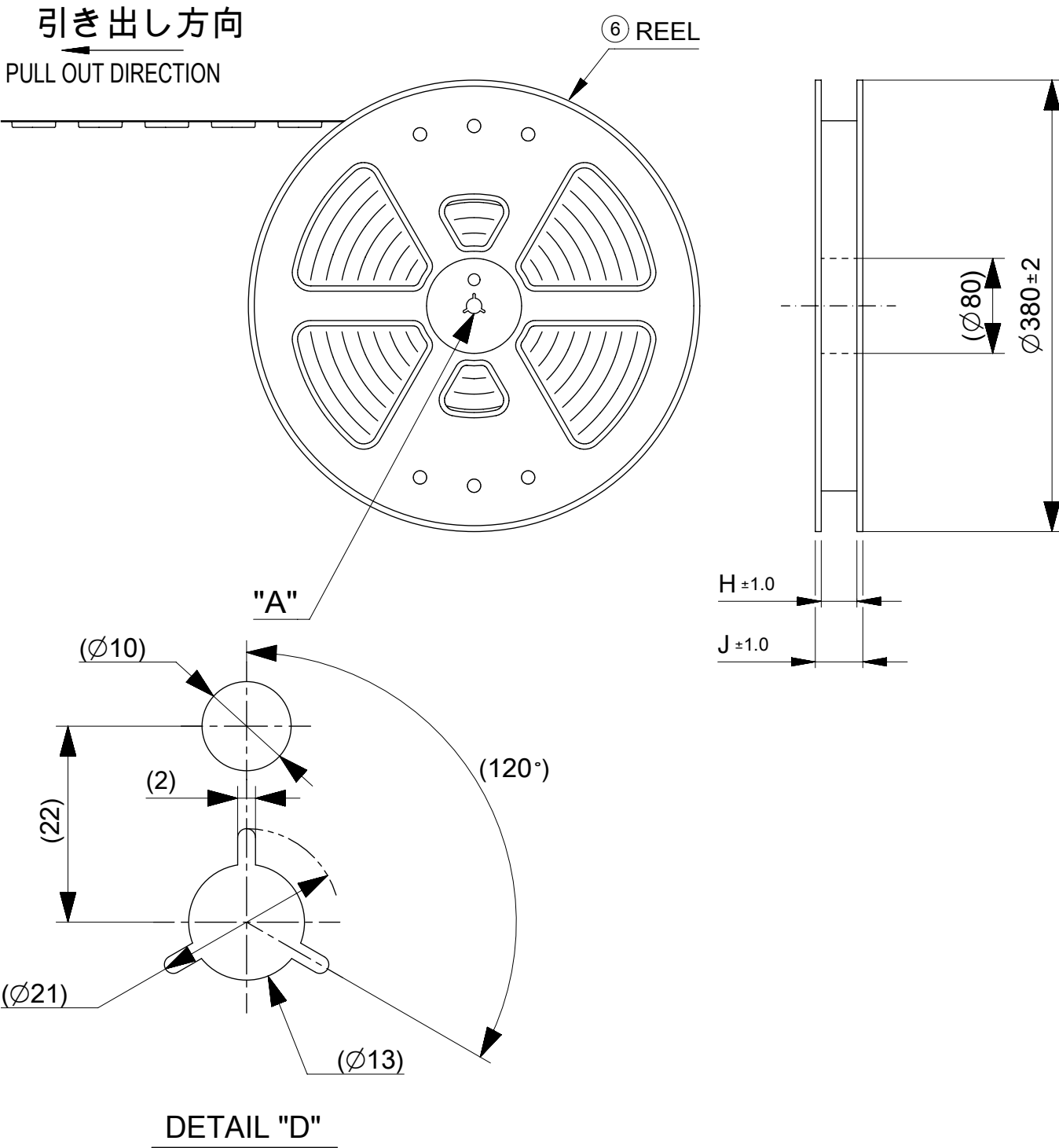
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4

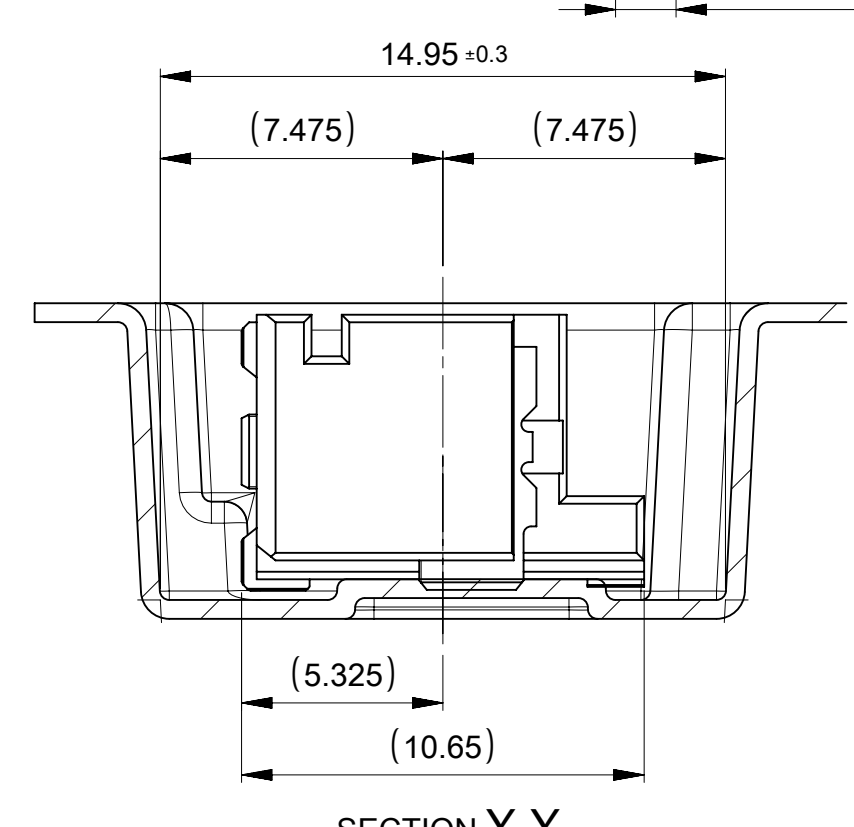
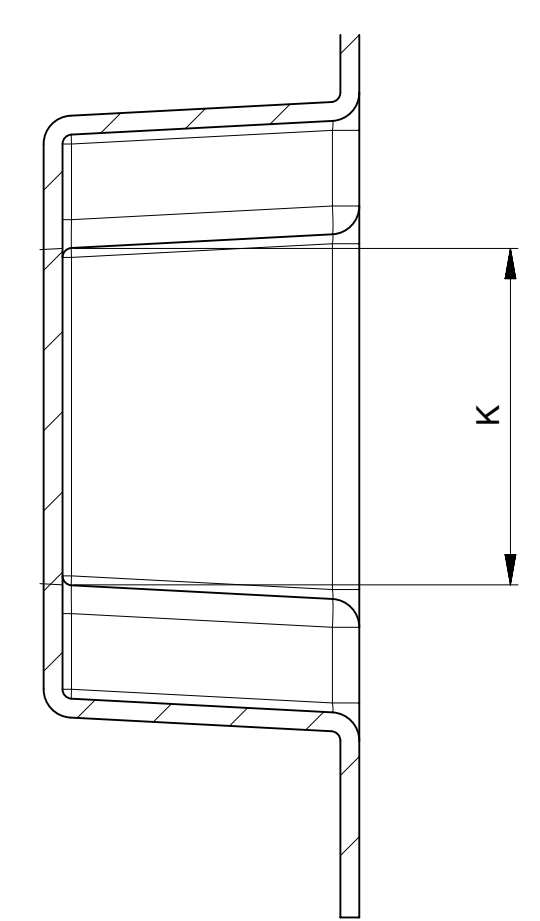
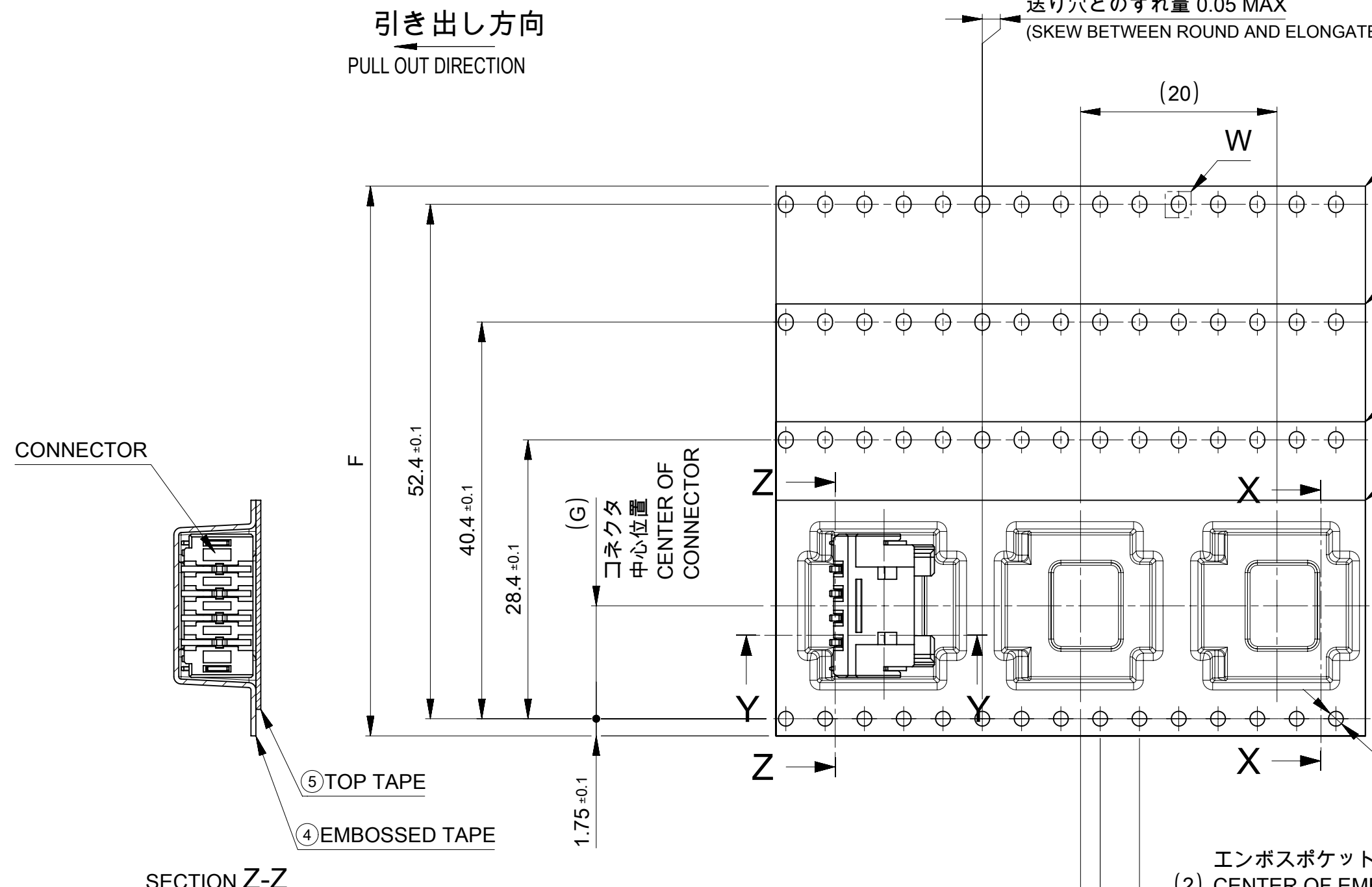
3

2

1



- NOTES
9. 梱包数量：440個 / リール
NUMBER OF CONNECTORS : 440 PIECES/REEL.
10. リードテープ長さ
LEAD TAPE LENGTH.
- 引き出し方向
PULL OUT DIRECTION
- 100 MINIMUM
- トップテープ接着部(空エンボス)
TOP TAPE BONDED PART.(EMPTY)
- トップテープリーダ部
TOP TAPE LEADER PART
- 部品挿入部
COMPONENT SUPPLIER
- 末端部
(空部)
TAIL PART (EMPTY)
1140 MINIMUM
- 400 MINIMUM
11. 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
12. 梱包仕様書：2159329200-SPK 200
PACKAGING SPECIFICATION: 2159329200-SPK 200



36.4					15
33.9					14
31.4	61.4	57.4	26.2	56 ±0.3	13
28.9					12
26.4					11
23.9					10
21.4					9
18.9	49.4	45.4	20.2	44 ±0.3	8
16.4					7
13.9					6
11.4	37.4	33.4	14.2	32 ±0.3	5
8.9					4
6.4	29.4	25.4	11.5	24 $\begin{smallmatrix} +0.3 \\ -0.1 \end{smallmatrix}$	3
3.9					2
K	J	H	G	F	極数 CIRCUIT SIZE

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DIMENSION UNITS	SCALE	CURRENT REV DESC:			
mm	NTS				
GENERAL TOLERANCES (UNLESS SPECIFIED)					
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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	SERIES	
			A2-SIZE	215932	

EC NO: 755760

DRWN: RWATANABE01 2023/07/05

CHK'D: AIDA 2023/07/06

APPR: SAKIYAMA 2023/07/06

INITIAL REVISION:

DRWN: RWATANABE01 2021/11/11

APPR: SAKIYAMA 2022/04/01

DOCUMENT NUMBER

2159320000-SD

MATERIAL NUMBER

SEE SHEET1

DOC TYPE

PSD

DOC PART

000

REVISION

B

CUSTOMER

GENERAL

SHEET NUMBER

3 OF 3

molex

MINI-LOCK 2.5
SINGLE ROW HEADER ASSEMBLY SMT RA

PRODUCT CUSTOMER DRAWING

番号 NO.	部品 PART	材質 MATERIAL
④	エンボステープ EMBOSSED TAPE	ポリスチレン(PS) POLYSTYRENE(PS)
⑤	トップテープ TOP TAPE	ポリエチレン(PE), その他 POLYETHYLENE(PE), ETC
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 >
DOCUMENT STATUS	P1	RELEASE DATE 2023/07/06 11:27:55

FORM&C number 05-0000-A2

REVISION J1

DATE 2023/05/01