

NOTES

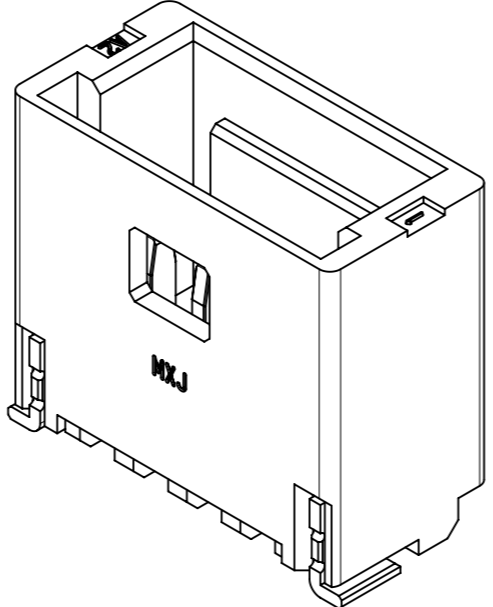
- 本製品は極数によって、ロック形状が変わりますので御注意願います。
THE LOCK SHAPE OF THIS PRODUCT CHANGES ACCORDING TO THE NUMBER OF CIRCUIT.
2~5 CIRCUITS : フリクションロック FRICTION LOCK
6~15 CIRCUITS : インナーポジティブロック INNER POSITIVE LOCK
- 材料及び仕上げ(めっき仕様) : TABLE 1,2 参照
MATERIAL AND FINISHES : SEE TABLE 1 AND 2
- 製品仕様書 : 5013300000-PS 001
PRODUCT 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 A00(JAPANESE)/-A01(ENGLISH)
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
- 本製品は錫めっき品である。金めっき品は以下の図面を御参照下さい。
THIS PRODUCT IS A TIN PLATING. PLEASE REFER TO THE FOLLOWING DRAWING FOR GOLD PLATING VERSION.

GOLD PLATING THICKNESS [micro-meter MIN.]	SERIES No.	DRAWING No.
0.1	504449	5044490000-SD PSD 000
0.38	203556	2035560000-SD PSD 000
0.76	203557	2035570000-SD PSD 000

TABLE 1

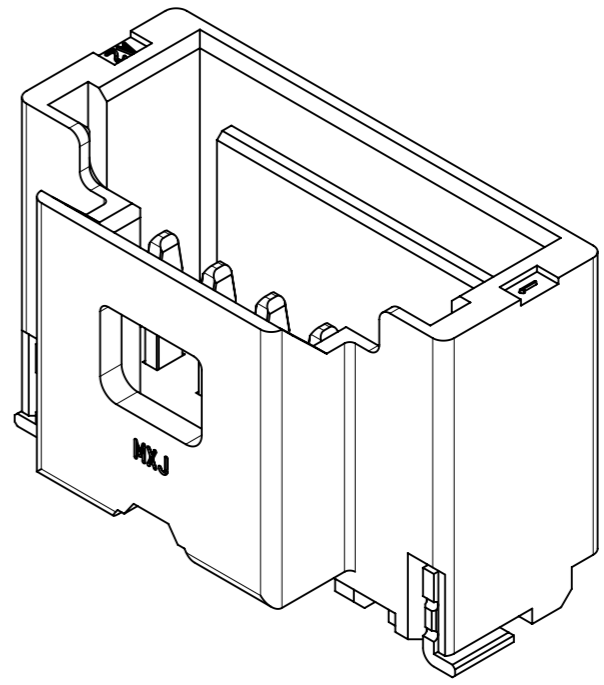
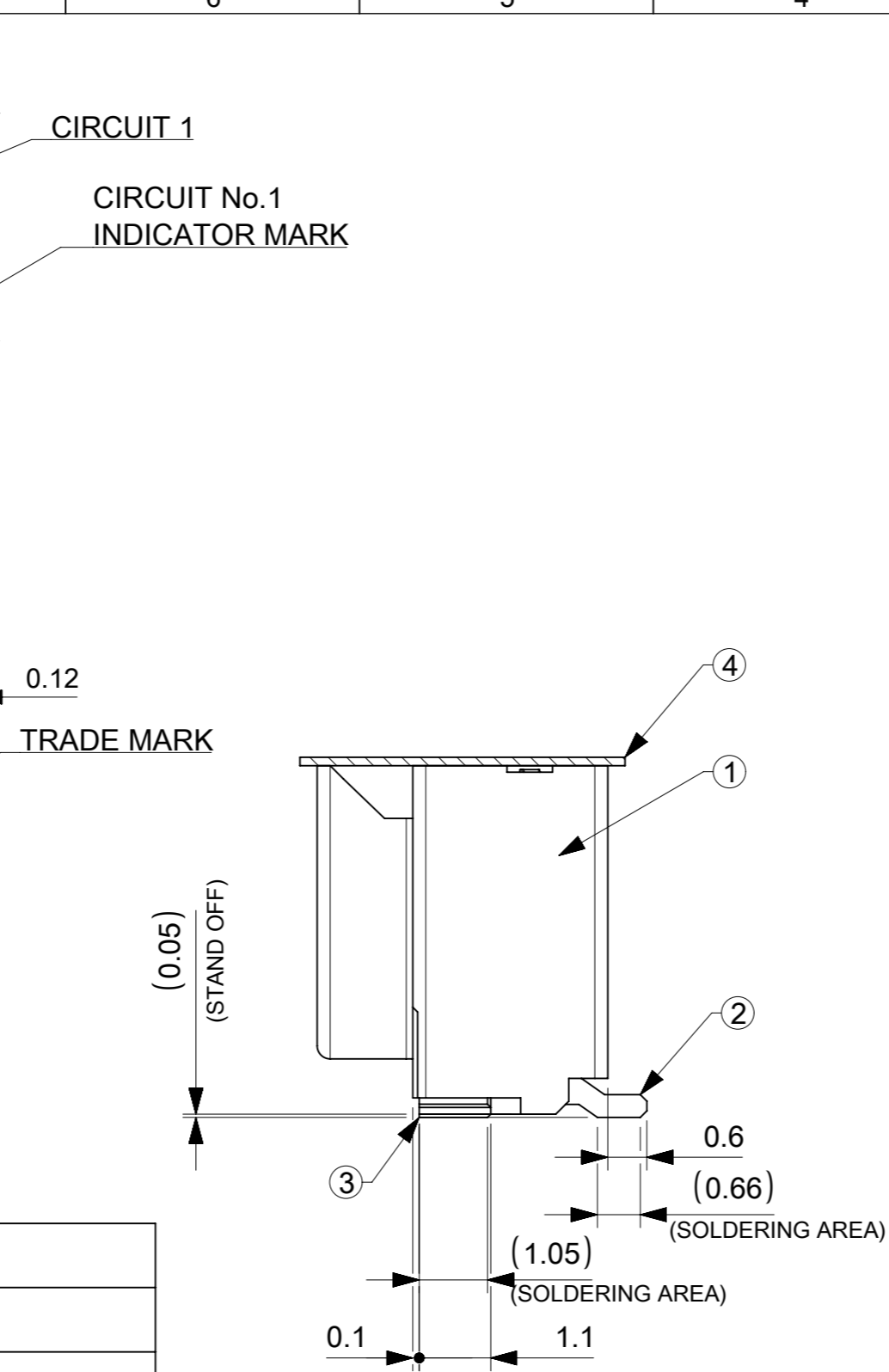
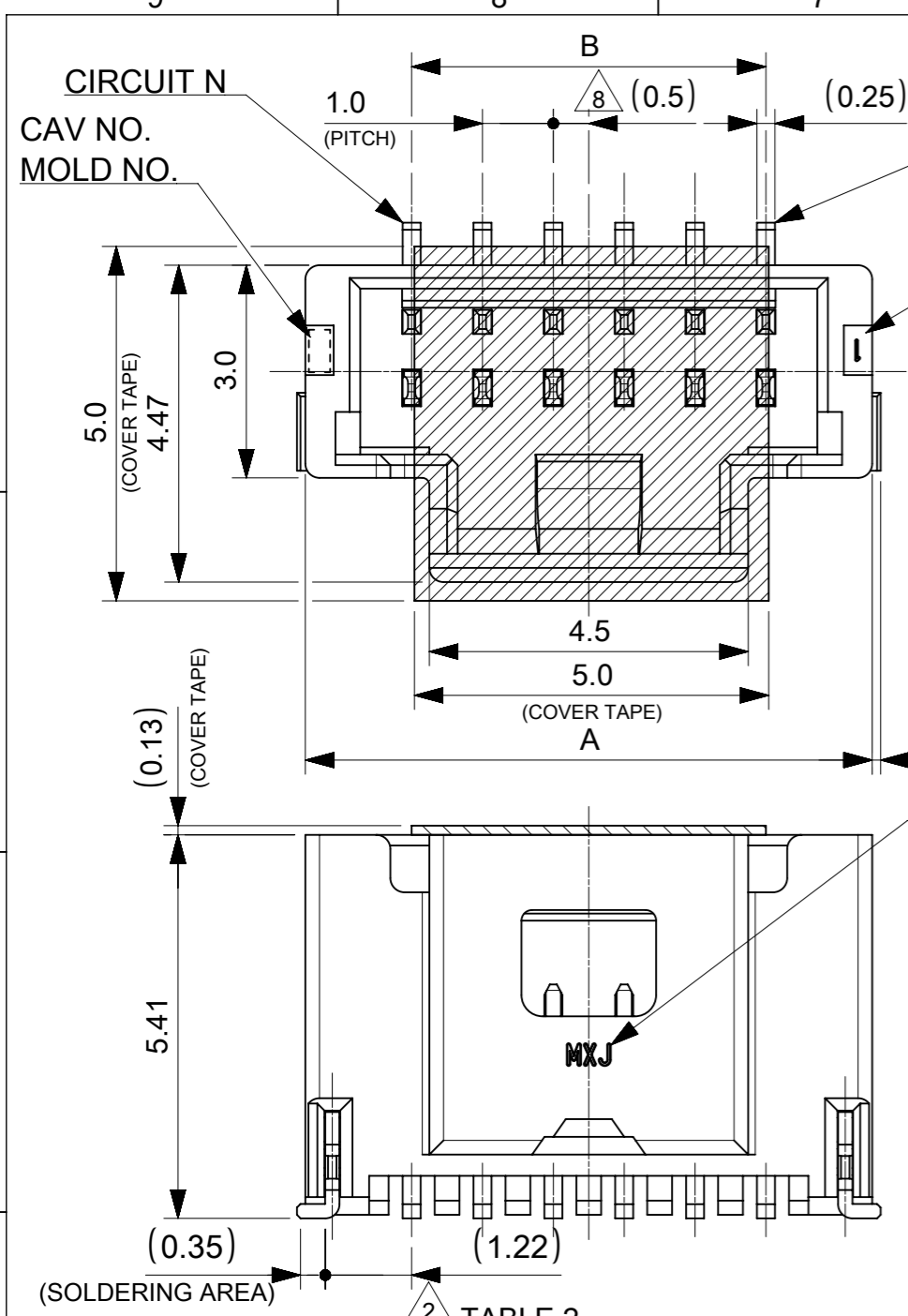
番号 NO.	部品 PART	材質 MATERIAL	
①	ウエハー WAFER	ポリアミド(PA), UL94V-0, 色 : SEE SHEET 6 POLYAMIDE(PA), UL94V-0, COLOR : SEE SHEET 6	
②	ソルダーピン SOLDER PIN	リン青銅 PHOSPHOR BRONZE	
		接点部 CONTACT AREA	錫めっき : 1.0 MICRO-METER MIN. MATTE TIN PLATING
		テール部 TAIL AREA	錫めっき : 1.0 MICRO-METER MIN. MATTE TIN PLATING
③	ネイル NAIL	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
④	カバーテープ COVER TAPE	ポリイミドテープ POLYIMIDE TAPE	

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	CURRENT REV DESC:	molex		
mm	NTS				
GENERAL TOLERANCES (UNLESS SPECIFIED)			PICO-CLASP 1.0 W/B SINGLE ROW VT SMT INNER LOCK TIN PLATING		
ANGULAR TOL	± 3.0 °	EC NO: 614886	PRODUCT CUSTOMER DRAWING		
4 PLACES	± 0.2	DRWN: AISHIKAWA 2019/02/18	DOCUMENT NUMBER		
3 PLACES	± 0.2	CHK'D: AIDA 2019/04/03	DOC TYPE DOC PART REVISION		
2 PLACES	± 0.2	APPR: KOMURAKAMI 2019/04/05	5013310000-SD PSD 000 A		
1 PLACE	± 0.2	INITIAL REVISION:	MATERIAL NUMBER CUSTOMER SHEET NUMBER		
0 PLACES	± 0.2	DRWN: AISHIKAWA 2019/02/18	SEE SHEET 6		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION	DRAWING	SERIES
				A3-SIZE	501331



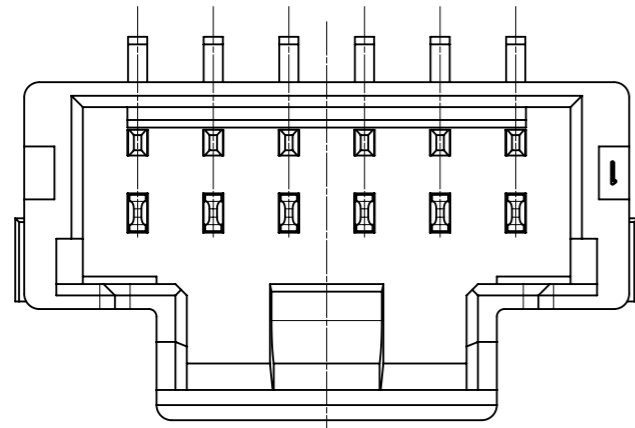
14.0	17.0	15
13.0	16.0	14
12.0	15.0	13
11.0	14.0	12
10.0	13.0	11
9.0	12.0	10
8.0	11.0	9
7.0	10.0	8
6.0	9.0	7
5.0	8.0	6
B	A	極数 CIRCUIT SIZE

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	錫めっき : 1.0 MICRO-METER MIN. MATTE TIN PLATING
		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	
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
④	カバーテープ COVER TAPE	ポリイミドテープ POLYIMIDE TAPE	

DOCUMENT STATUS | P1 | RELEASE DATE | 2019/04/05 | 01:07:45

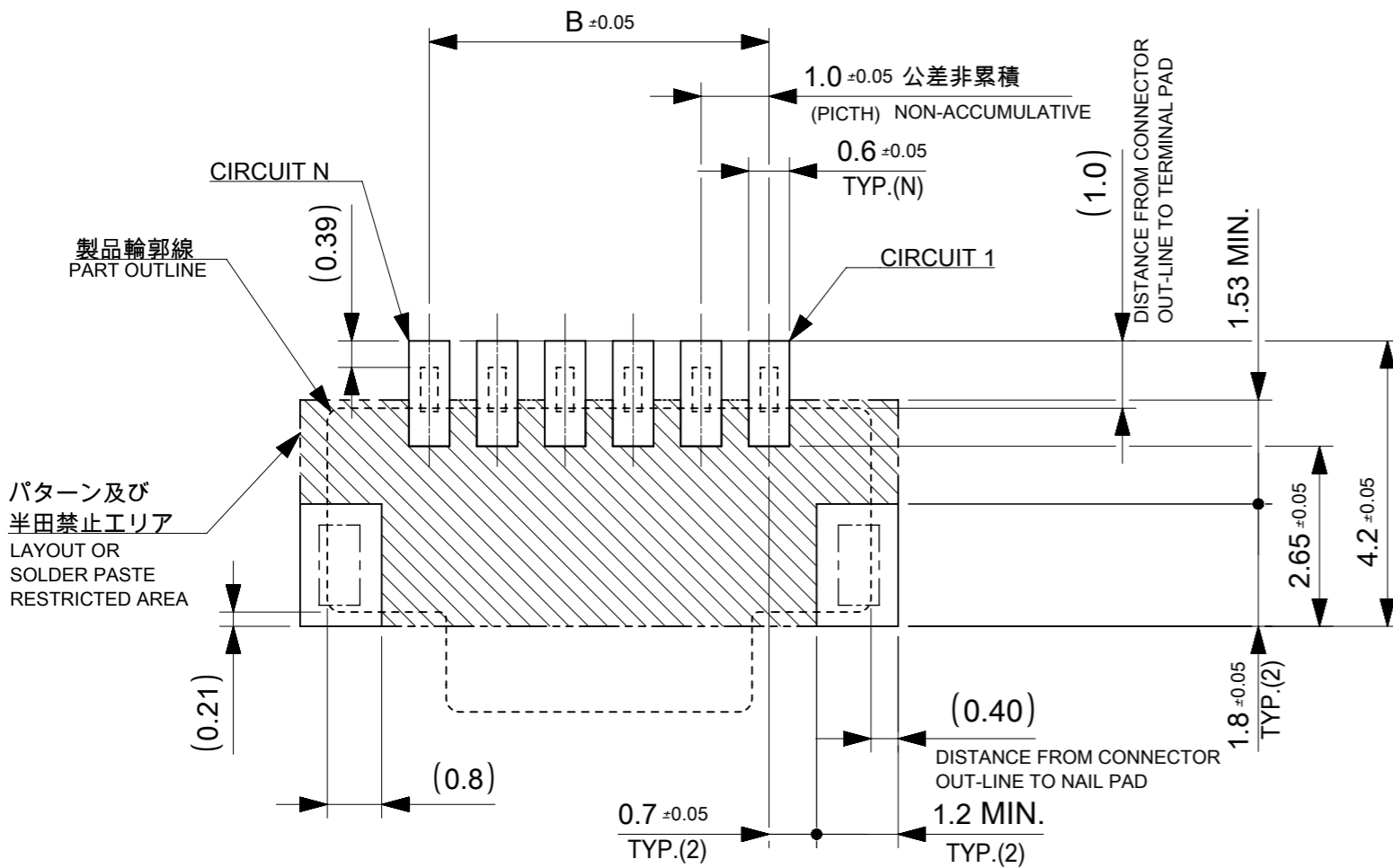
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS mm	SCALE NTS	CURRENT REV DESC:		molex		
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 614886				
ANGULAR TOL ± 3.0°	4 PLACES ± 0.2	DRWN: AISHIKAWA	2019/02/18	SINGLE ROW VT SMT INNER LOCK TIN PLATING		
3 PLACES ± 0.2	2 PLACES ± 0.2	CHK'D: AIDA	2019/04/03	PRODUCT CUSTOMER DRAWING		
1 PLACE ± 0.2	0 PLACES ± 0.2	APPR: KOMURAKAMI	2019/04/05	INITIAL REVISION:		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRWN: AISHIKAWA	2019/02/18	DOCUMENT NUMBER
				APPR: KOMURAKAMI	2019/04/05	5013310000-SD
				DRAWING		DOC TYPE
				SERIES		DOC PART
				MATERIAL NUMBER		REVISION
				CUSTOMER		
				SHEET NUMBER		
				A3-SIZE		2 OF 6
				501331		
				SEE SHEET 6		



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

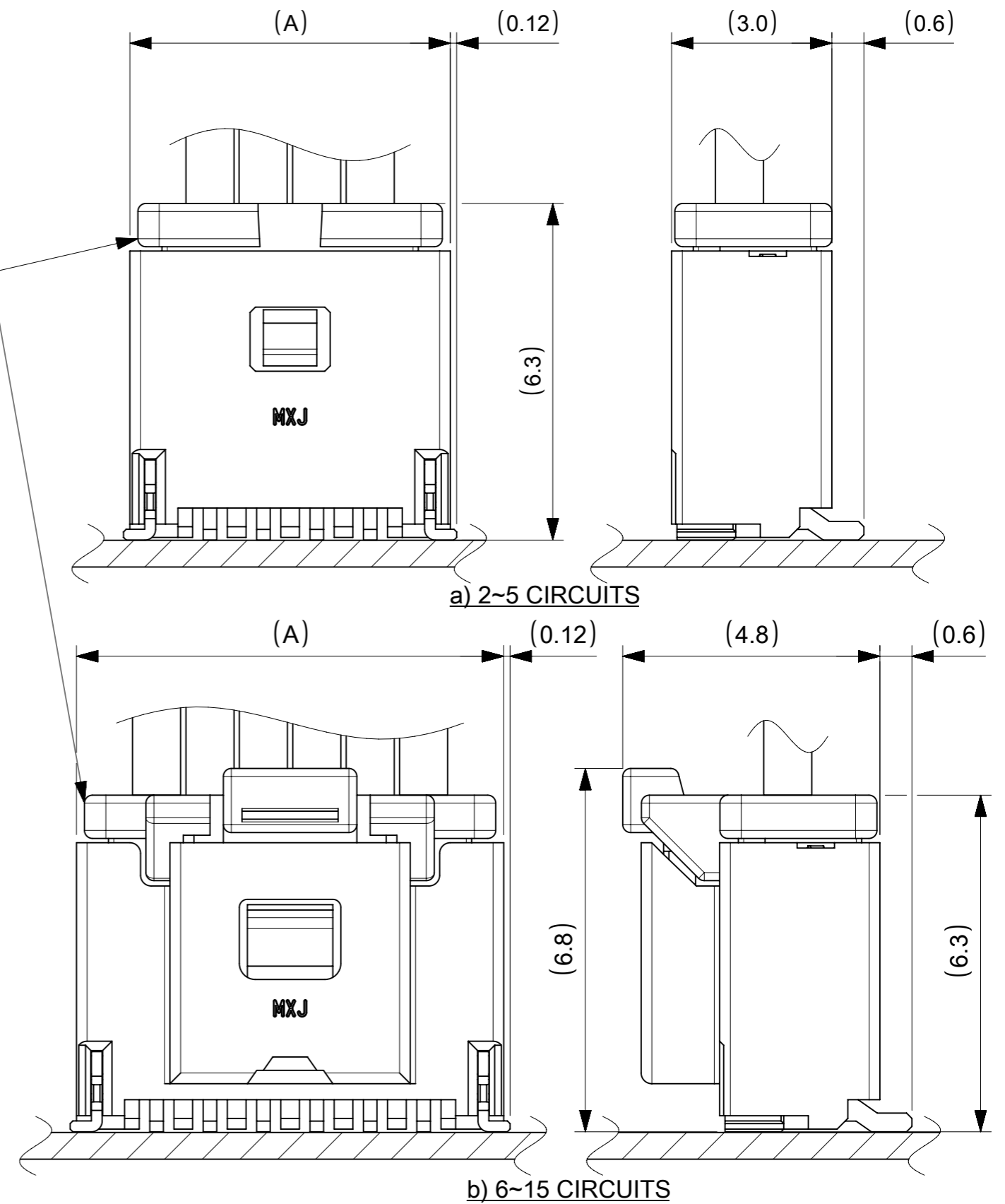
△ 嵌合相手: 501330 シリーズ
MATE WITH: 501330 SERIES



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%)

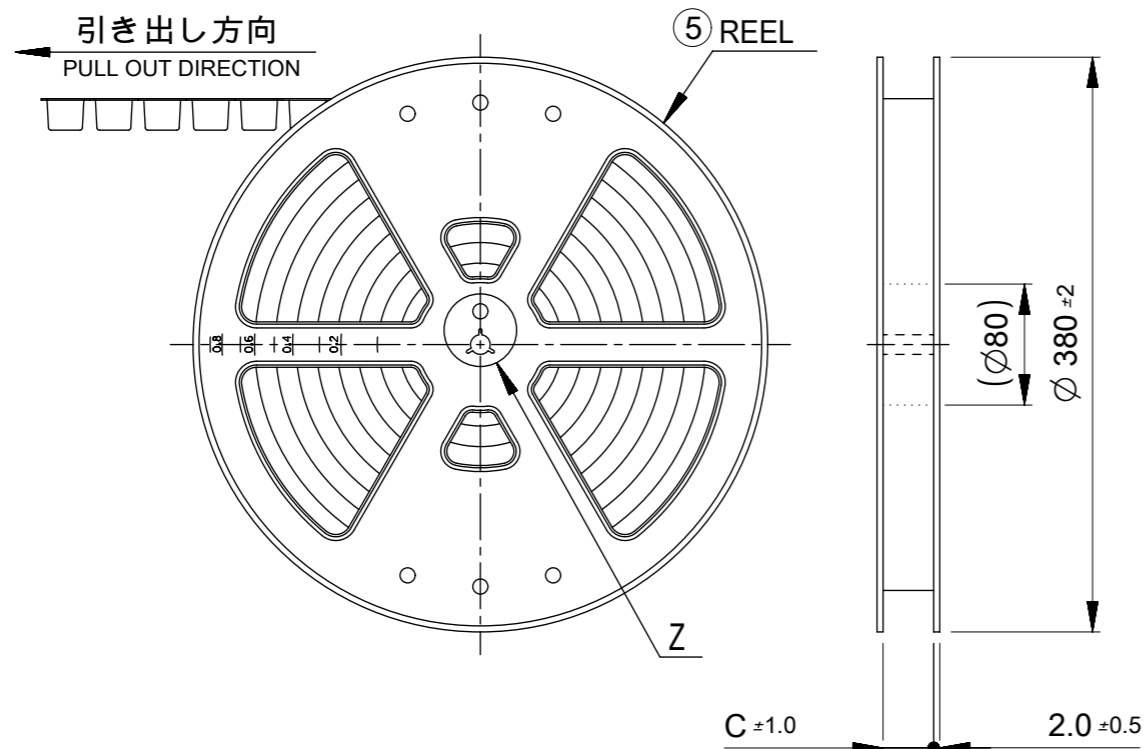
POLARIZED RECOMMENDED PCB LAYOUT(APPLY TO ALL CIRCUIT): COMPONENT SIDE
(REFERENCE: PCB THICKNESS 1.0mm, STENCIL THICKNESS 0.12mm, APERTURE RATIO 100%)

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



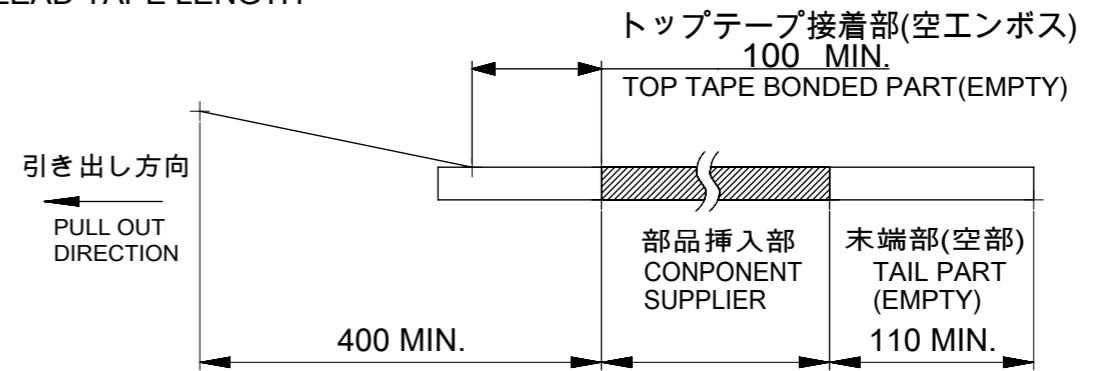
嵌合図
MATED CONNECTORS

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DIMENSION UNITS	SCALE				
mm	NTS			PICO-CLASP 1.0 W/B SINGLE ROW VT SMT INNER LOCK TIN PLATING	
GENERAL TOLERANCES (UNLESS SPECIFIED)				PRODUCT CUSTOMER DRAWING	
ANGULAR TOL	± 3.0°	EC NO:	614886	DOCUMENT NUMBER	
4 PLACES	± 0.2	DRWN:	AISHIKAWA 2019/02/18	5013310000-SD	
3 PLACES	± 0.2	CHK'D:	AIDA 2019/04/03	DOC TYPE	DOC PART
2 PLACES	± 0.2	APPR:	KOMURAKAMI 2019/04/05	PSD	000
1 PLACE	± 0.2	INITIAL REVISION:		REVISION	A
0 PLACES	± 0.2	DRWN:	AISHIKAWA 2019/02/18	SHEET NUMBER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR:	KOMURAKAMI 2019/04/05	MATERIAL NUMBER	CUSTOMER
THIRD ANGLE PROJECTION		DRAWING	A3-SIZE	501331	SEE SHEET 6
SERIES		501331		3 OF 6	

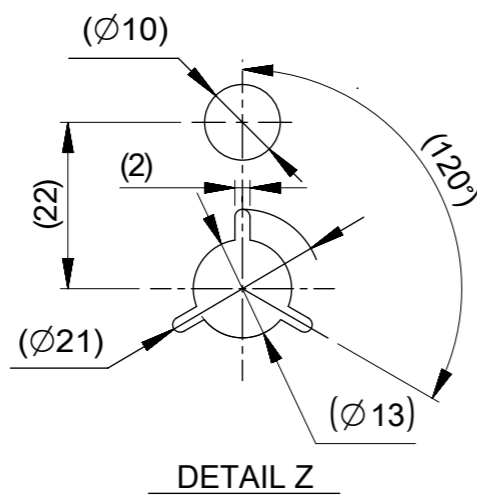


NOTES

- 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 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 PACKAGE WITH DESOCCANT.
- 14. 梱包仕様書 : SPK-501331-001
PACKAGE SPECIFICATION:
- △15 発注番号 : SHEET 6 参照
ORDER No. : PLEASE REFER TO SHEET 6 FOR PRODUCT LIST.



501331 * * * *

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

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

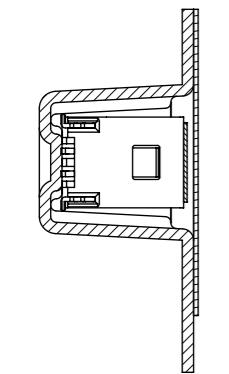
番号 NO.	部品 PART	材質 MATERIAL
⑤	リール REEL	ポリスチレン(PS) <リサイクル材を含む> POLYSTYRENE(PS) <RECYCLE MATERIAL CONTAINED>

DOCUMENT STATUS	P1	RELEASE DATE	2019/04/05	01:07:45
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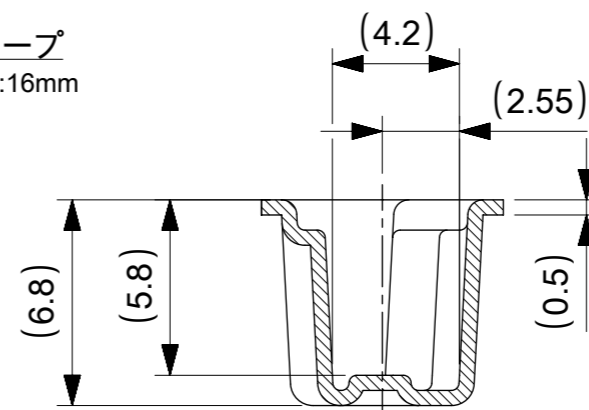
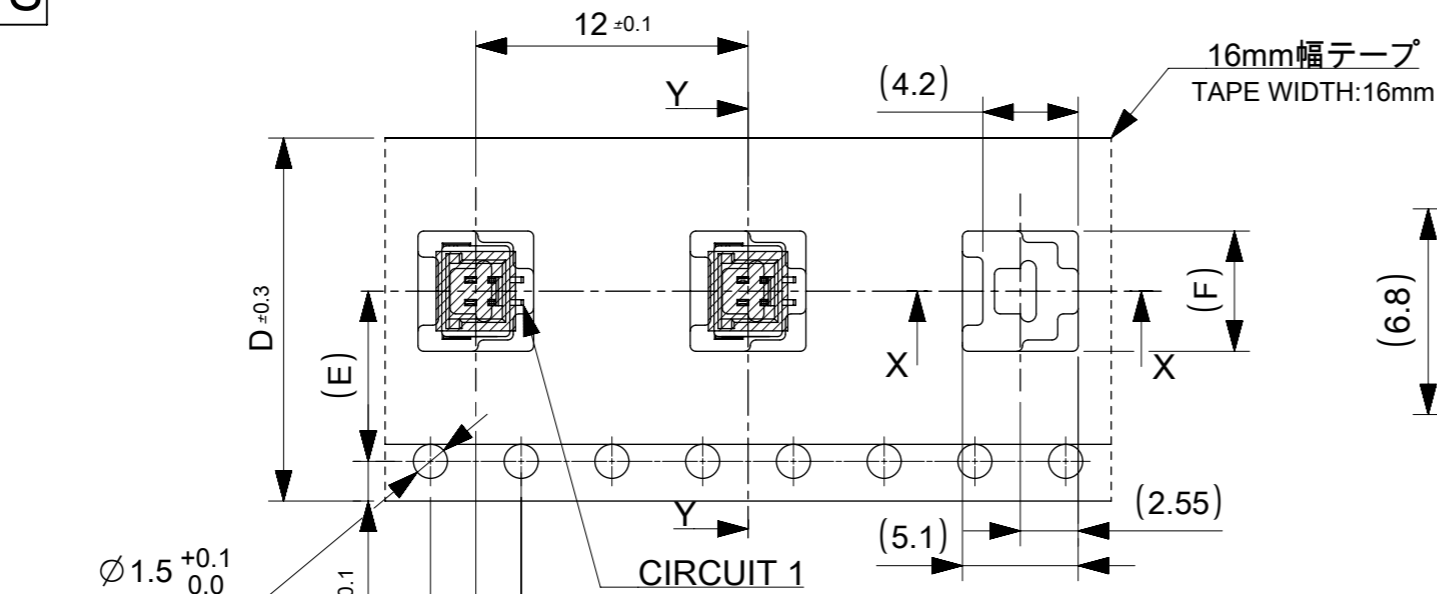
DIMENSION UNITS mm	SCALE NTS	CURRENT REV DESC:	molex		
GENERAL TOLERANCES (UNLESS SPECIFIED)	ANGULAR TOL ± 3.0 °	EC NO: 614886			
4 PLACES ± 0.2	3 PLACES ± 0.2	DRWN: AISHIKAWA 2019/02/18	PRODUCT CUSTOMER DRAWING		
2 PLACES ± 0.2	1 PLACE ± 0.2	CHK'D: AIDA 2019/04/03	DOCUMENT NUMBER		
0 PLACES ± 0.2		APPR: KOMURAKAMI 2019/04/05	5013310000-SD		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER
		A3-SIZE	501331	SEE SHEET 6	
					DOC TYPE DOC PART REVISION
					PSD 000 A
					SHEET NUMBER
					4 OF 6

2~5 CIRCUITS

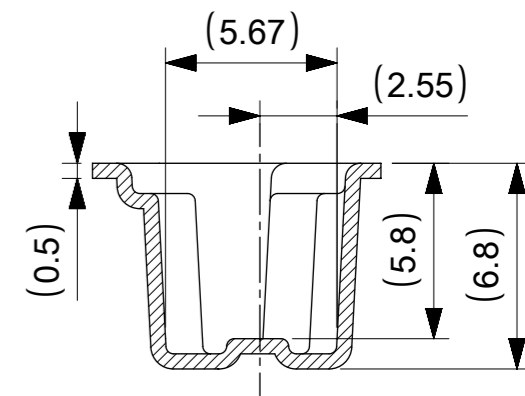


SECTION Y-Y

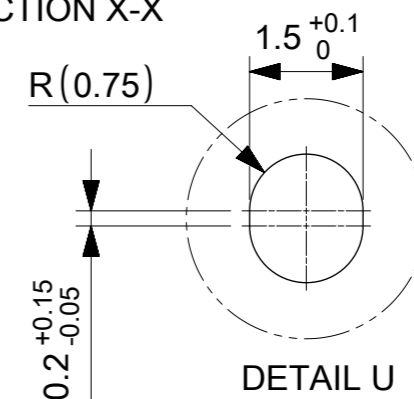
引き出し方向
PULL OUT DIRECTION



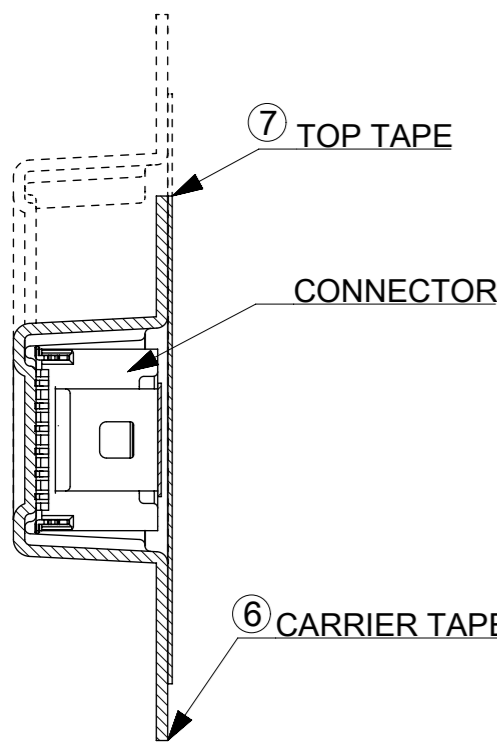
SECTION X-X



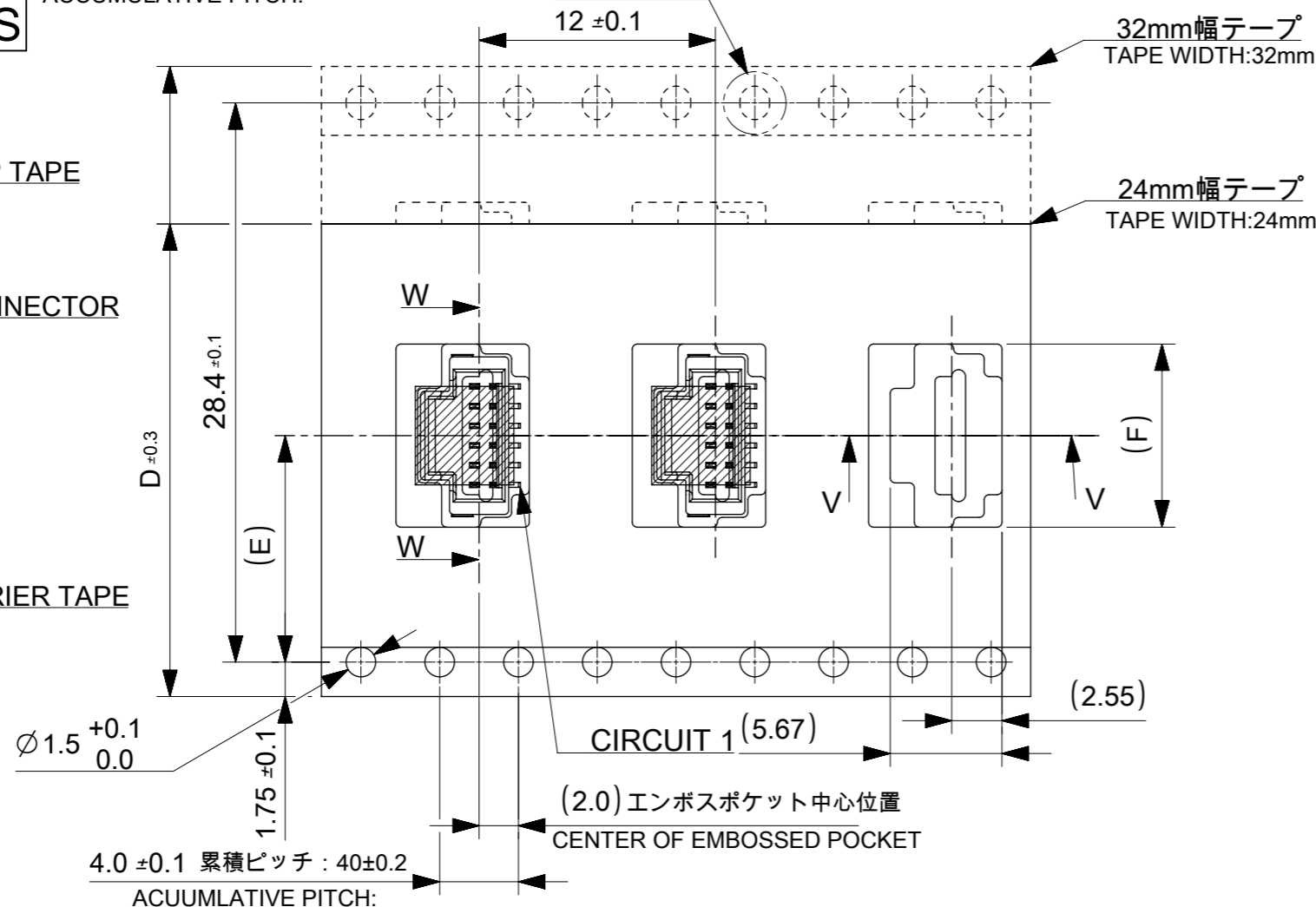
SECTION V-V



6~15 CIRCUITS



SECTION W-W



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

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

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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

THIRD ANGLE PROJECTION

DRAWING: A3-SIZE

SERIES: 501331

MATERIAL NUMBER: SEE SHEET 6

CUSTOMER: 5013310000-SD

DOC TYPE: PSD

DOC PART: 000

REVISION: A

SHEET NUMBER: 5 OF 6

CURRENT REV DESC:
 EC NO: 614886
 DRWN: AISHIKAWA 2019/02/18
 CHK'D: AIDA 2019/04/03
 APPR: KOMURAKAMI 2019/04/05

INITIAL REVISION:
 DRWN: AISHIKAWA 2019/02/18
 APPR: KOMURAKAMI 2019/04/05

PRODUCT CUSTOMER DRAWING

PICO-CLASP 1.0 W/B
 SINGLE ROW VT SMT INNER LOCK TIN PLATING

9 8 7 6 5 4 3 2 1

E

E

D

D

C

C

B

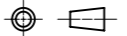
B

A

A

△13 △15 製品一覧 PRODUCT LIST

HOUSING COLOR		
NATURAL(BEIGE)		
501331	1507	15
△	1407	14
	1307	13
	1207	12
	1107	11
	1007	10
	0907	9
	0807	8
	0707	7
	0607	6
	0507	5
	0407	4
▽	0307	3
501331	0207	2
発注番号 ORDER No.		極数
梱包形態 : エンボスリール		CIRCUIT SIZE
PACKAGE:EMBOSSED REEL		

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DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex	
mm		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 614886				PICO-CLASP 1.0 W/B	
ANGULAR TOL ± 3.0 °				DRWN: AISHIKAWA 2019/02/18				SINGLE ROW VT SMT INNER LOCK TIN PLATING	
4 PLACES ± 0.2				CHK'D: AIDA 2019/04/03					
3 PLACES ± 0.2				APPR: KOMURAKAMI 2019/04/05				PRODUCT CUSTOMER DRAWING	
2 PLACES ± 0.2				INITIAL REVISION:				DOCUMENT NUMBER	
1 PLACE ± 0.2				DRWN: AISHIKAWA 2019/02/18				5013310000-SD	
0 PLACES ± 0.2				APPR: KOMURAKAMI 2019/04/05				DOC TYPE DOC PART REVISION	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES	
						A3-SIZE		501331	
						MATERIAL NUMBER		CUSTOMER	
						SEE SHEET 6			
								SHEET NUMBER	
								6 OF 6	

DOCUMENT STATUS	P1	RELEASE DATE	2019/04/05	01:07:45
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9 8 7 6 5 4 3 2 1

FORMAT: master-ib-prod-A3
REVISION: 11
DATE: 2018/01/18

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- ✓ Obsolete Management
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