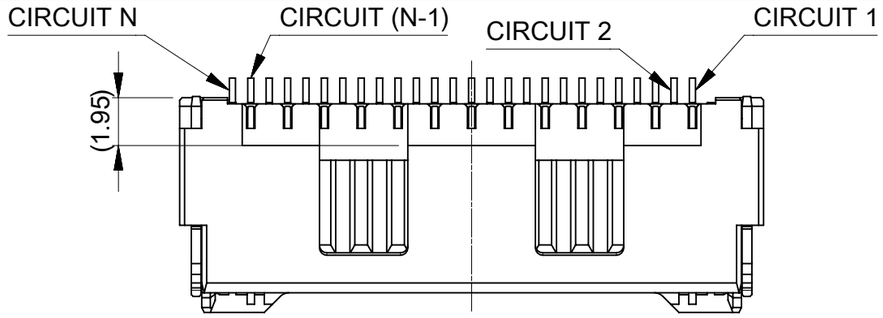
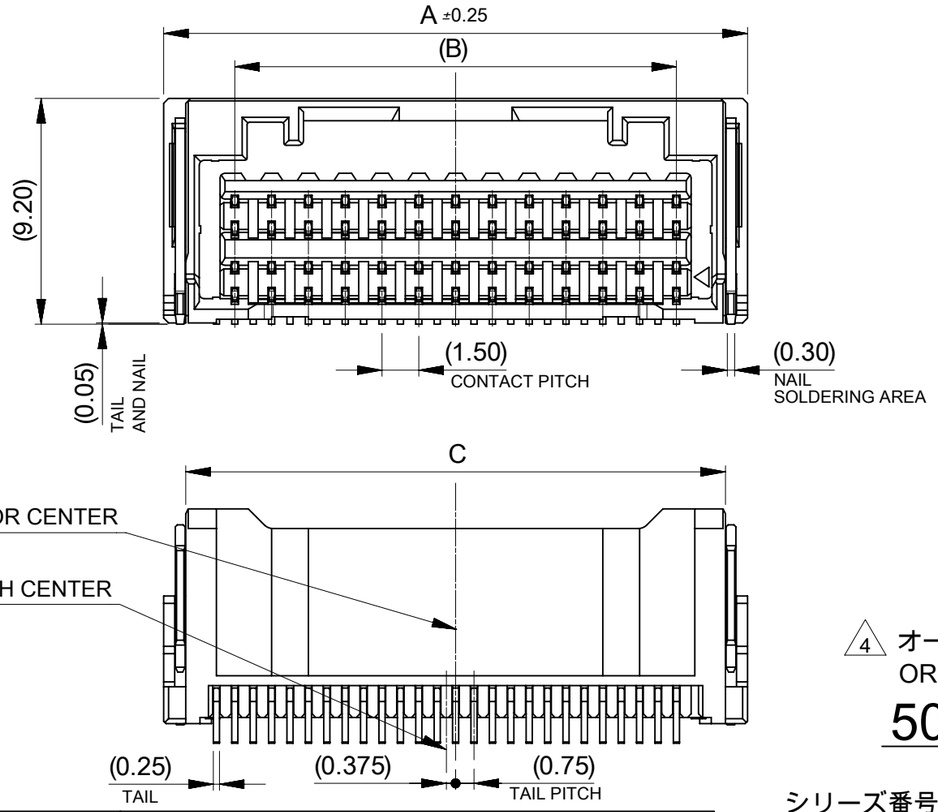
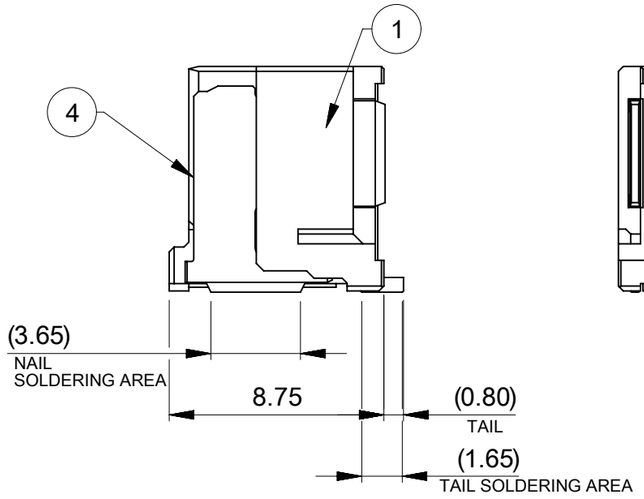
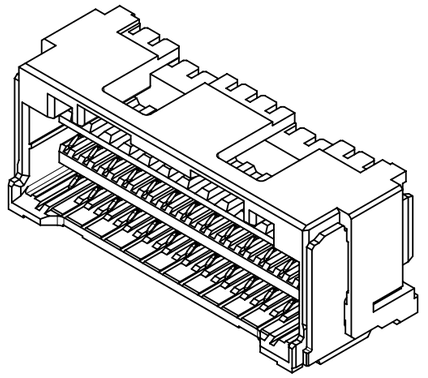


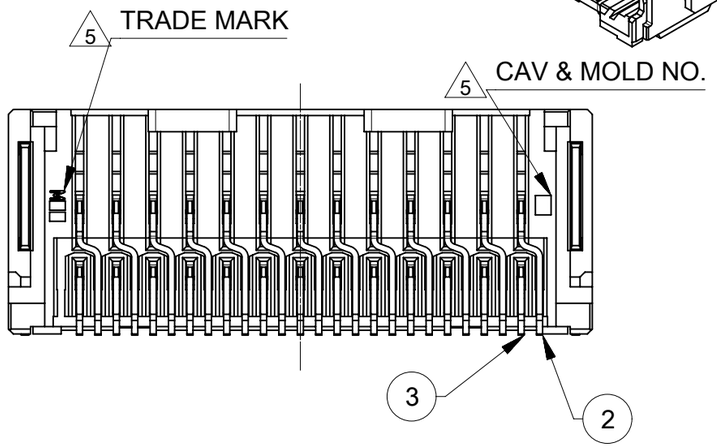




NOTE

1. 端子テール部およびネイルの平坦度: 0.1mm MAX.
   TAIL AND NAIL COPLANARITY TO BE 0.1mm MAX.
2. (極数/2) = 偶数 に適用
   APPLY FOR (CIRCUIT SIZE/2) = EVEN.
3. 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.





番号 NO.	部品 PART	材質 MATERIAL
①	ハウジング HOUSING	ポリアミド(PA)　UL94V-0 色：SEE CHART POLYAMIDE(PA) UL94V-0 COLOR : SEE CHART
②、③	ターミナル A, B TERMINAL A, B	銅合金 COPPER ALLOY
		錫めっき　：1.0 micro-meter MIN MATTE TIN PLATING(TAIL AREA)
		ニッケルめっき(下地)：1.0 micro-meter MIN NICKEL (UNDER PLATING)
④	ネイル NAIL	黄銅 BRASS
		錫めっき　：1.0 micro-meter MIN MATTE TIN PLATING
		ニッケルめっき(下地)：1.0 micro-meter MIN NICKEL (UNDER PLATING)

△4 オーダー番号(製品番号): SHEET 6の製品一覧を参照のこと
ORDER No (PRODUCT No)：REFER TO SHEET 6 FOR PRODUCT LIST.

503148 * * 7 *

- 503148: シリーズ番号 SERIES NO
- 第1 *: 極数 CIRCUIT SIZE
- 第2 *: 色 COLOR

CIRCUIT	NO	COLOR
08~26	0	ナチュラル (ベージュ) NATURAL (BEIGE)
	1	黒 BLACK

△5 トレードマーク：Mプラス 2文字の製造工場を示すアルファベットにて表示。
但し、"J"はJAPANを、"L"はMALAYSIAを示す。
(例：MXJ, MXL)
金型番号：アルファベット2文字にて表示。
(例：1A, 12A, 1B, 12B)

22.0	±0.25	18.0	23.8	26
20.5		16.5	22.3	24
19.0		15.0	20.8	22
17.5		13.5	19.3	20
16.0		12.0	17.8	18
14.5		10.5	16.3	16
13.0		9.0	14.8	14
11.5		7.5	13.3	12
10.0		6.0	11.8	10
8.5	(±0.2)	4.5	10.3	8
C		B	A	極数 CIRCUIT NO

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 ± 0.25
0 PLACES ± 0.3
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: RELEASED
EC NO: 645962
DRWN: HHUSSIN 2020/09/15
CHK'D: SAKIYAMA 2020/09/25
APPR: KOMURAKAMI 2020/09/28
INITIAL REVISION:
DRWN: HHUSSIN 2020/09/15
APPR: KOMURAKAMI 2020/09/28

molex

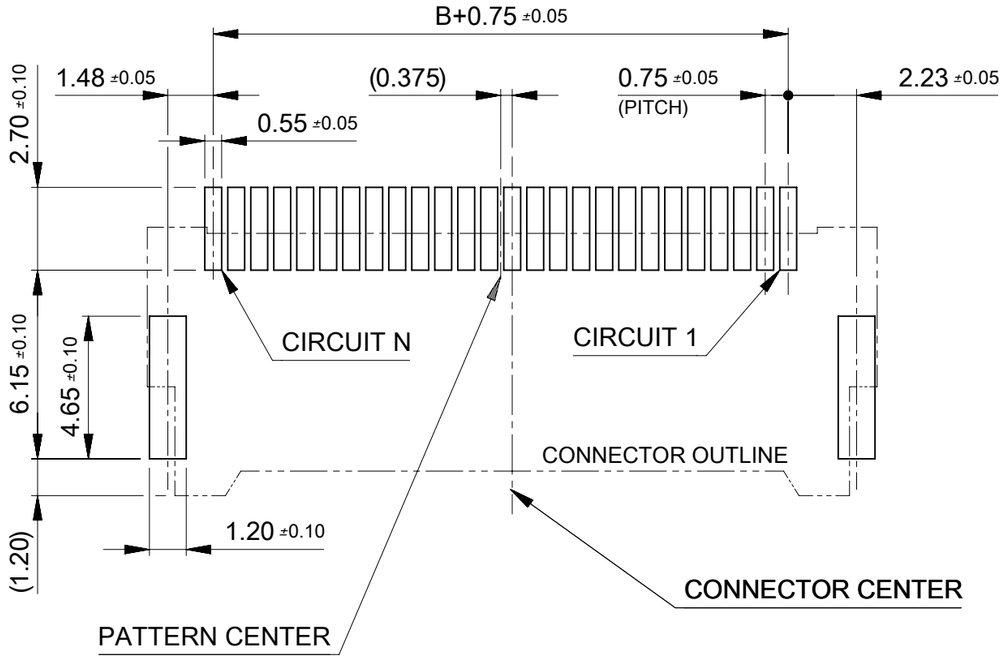
CLIK-MATE 1.5
DUAL ROW SMT R/A TYPE REC ASSY TIN PLATING
PRODUCT CUSTOMER DRAWING

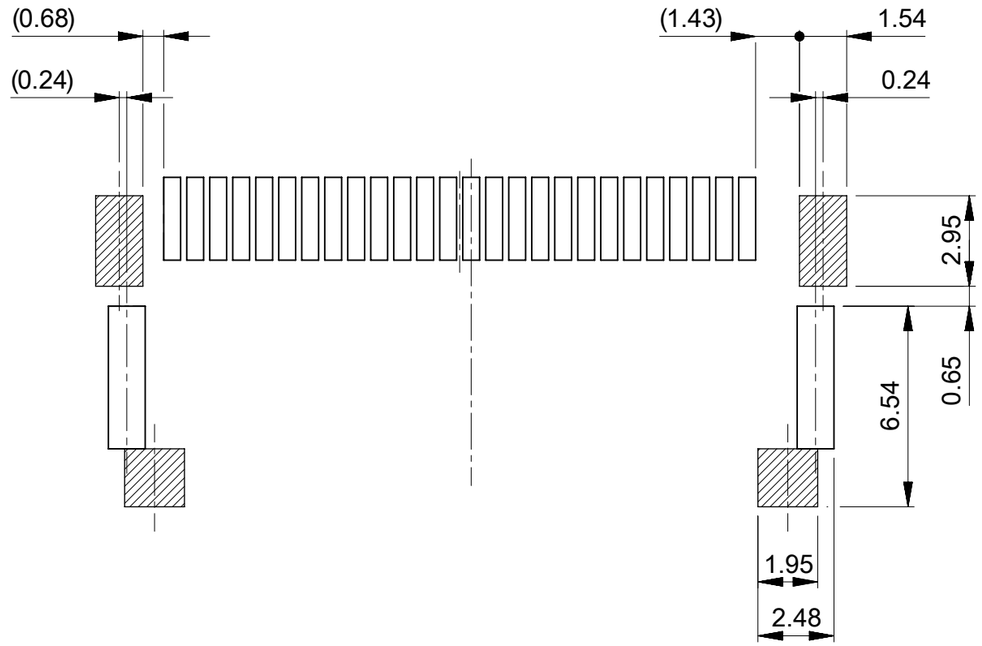
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
5031480001-SD	PSD	000	A

THIRD ANGLE PROJECTION　DRAWING: A3-SIZE　SERIES: 503148
MATERIAL NUMBER: SEE CHART　CUSTOMER: GENERAL　SHEET NUMBER: 1 OF 6

DOCUMENT STATUS	P1	RELEASE DATE	2020/09/28　02:59:19

FORMAT: molex_SD_std-A3
REVISION: J
DATE: 2020/01/14





基板パターンレイアウト(参考)

RECCOMENDED PCB PATTERN LAYOUT (REF.)

(参考：メタルマスク厚さ　0.10mm, マスク開口率100%)
(REFERENCE: METAL MASK THICKNESS 0.10MM, APERTURE RATIO 100%)

△6 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 RECCOMENDED ON THE HATCHED AREA.
PLEASE CHECK NOT TO HAVE PROBLEM FOR PRODUCT FUNCTION
WHEN SETTING PATTERN ON THE HATCHED AREA.

NOTE

△6 コネクタ下にパターン及びスルーホールを設置する場合、基板面からパターン盛り上がりは0.1mm MAX.とすること
ただし、図示したパターン禁止エリアを除く
THE CONVEX ON THE PCB TO BE 0.1mm MAX. WHEN SET SOME PATTERNS OR THROUGH HOLES UNDER THE CONNECTOR.
EXCEPT INDICATED AREA.

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	±	0.25
0 PLACES	±	0.3

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: RELEASED

EC NO: 645962
DRWN: HHUSSIN 2020/09/15
CHK'D: SAKIYAMA 2020/09/25
APPR: KOMURAKAMI 2020/09/28

INITIAL REVISION:
DRWN: HHUSSIN 2020/09/15
APPR: KOMURAKAMI 2020/09/28

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 503148

molex

CLIK-MATE 1.5
DUAL ROW SMT R/A TYPE REC ASSY TIN PLATING

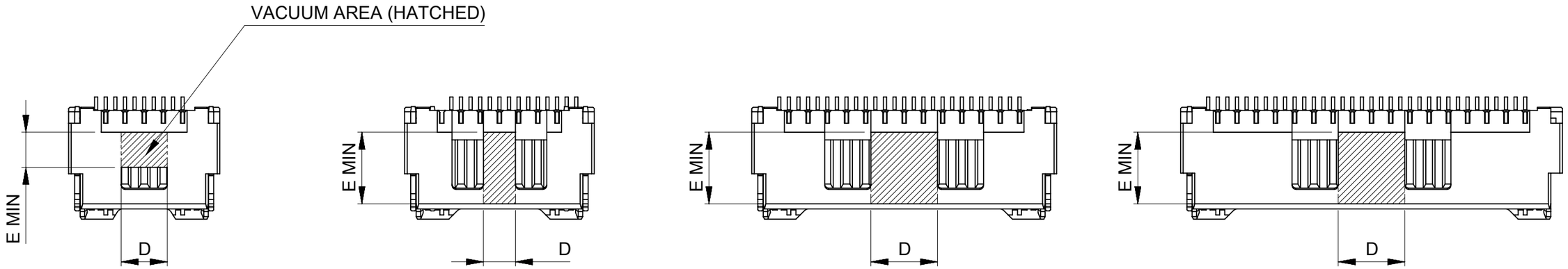
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
5031480001-SD	PSD	000	A

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL	2 OF 6

DOCUMENT STATUS	P1	RELEASE DATE	2020/09/28 02:59:19

FORMAT: master-tb-prod-A3
REVISION: J
DATE: 2020/01/14



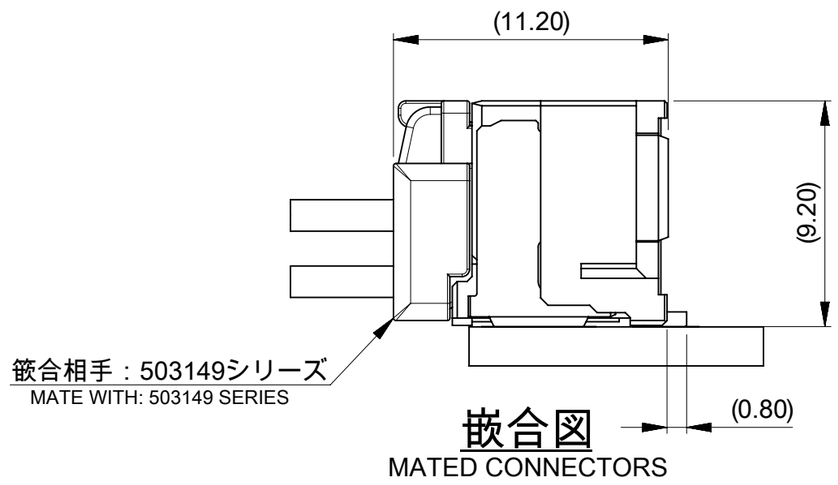
8-10極
8-10 CKT

12-18極
12-18 CKT

20-28極
20-28 CKT

30-34極
30-34 CKT

極数別ハウジング形状および吸着エリア
HOUSING SHAPE AND VACUUM AREA AT EACH CKTS



嵌合図
MATED CONNECTORS

E	D	極数 CIRCUIT NO
5.6	5.2	26
		24
	3.2	22
		20
		18
	2.5	16
		14
	2.3	12
2.75	3.6	10
		8

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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	±	0.25
0 PLACES	±	0.3

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: RELEASED

EC NO: 645962
DRWN: HHUSSIN 2020/09/15
CHK'D: SAKIYAMA 2020/09/25
APPR: KOMURAKAMI 2020/09/28

INITIAL REVISION:
DRWN: HHUSSIN 2020/09/15
APPR: KOMURAKAMI 2020/09/28

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 503148

molex

CLIK-MATE 1.5
DUAL ROW SMT R/A TYPE REC ASSY TIN PLATING

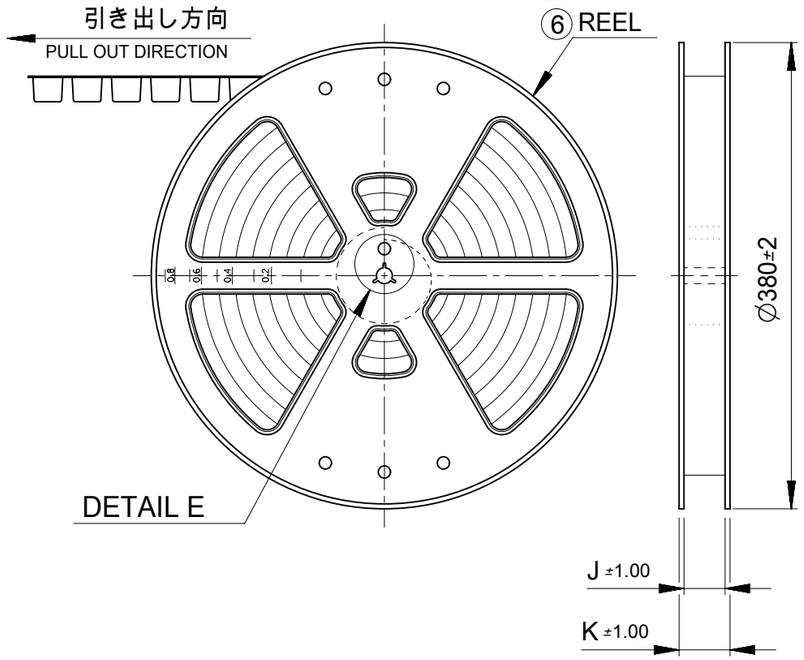
PRODUCT CUSTOMER DRAWING

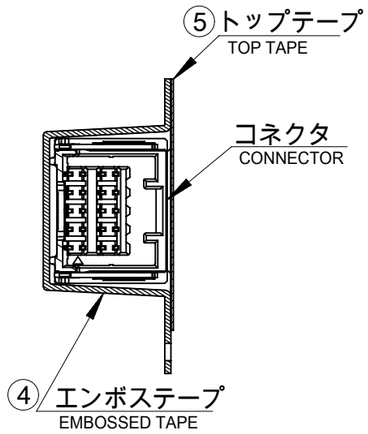
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
5031480001-SD	PSD	000	A

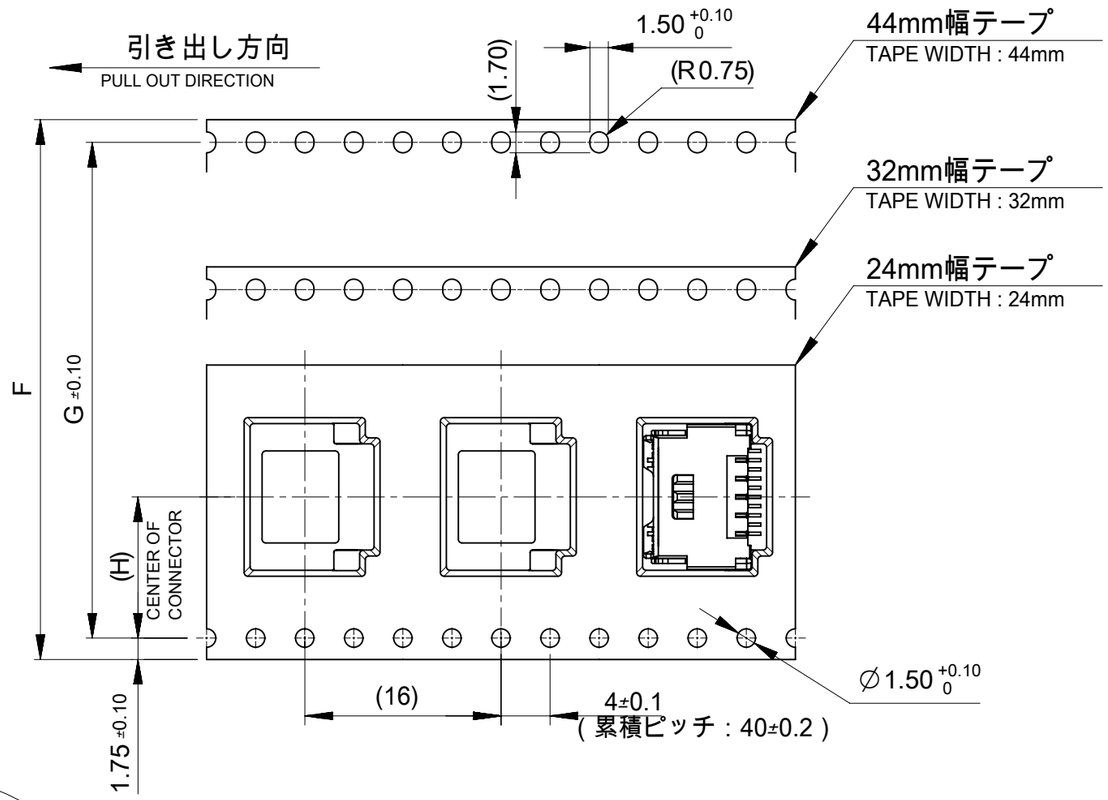
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL	3 OF 6

DOCUMENT STATUS	P1	RELEASE DATE	2020/09/28 02:59:19

FORMAT: master-sheet-A3
REVISION: J
DATE: 2020/01/14



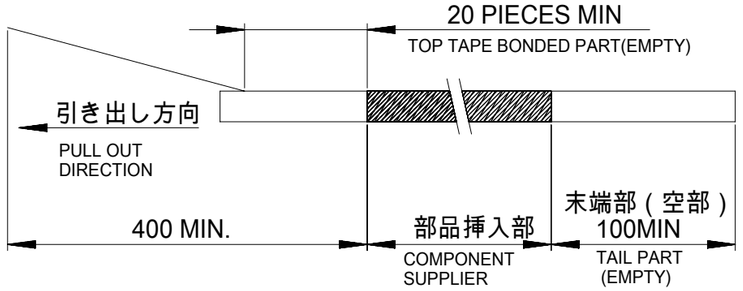


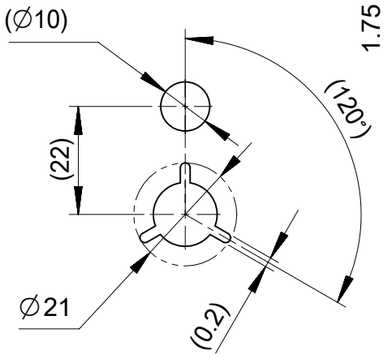


NOTE

7．梱包数量　：　550個 / リール
NUMBER OF CONNECTORS : 550 PIECES/REEL

8．リードテープ長さ
LEAD TAPE LENGTH





9．トップテープの剥離強度はJIS C0806-3に準拠
TOP TAPE PEELING OFF FORCE IS DEFINED BY JIS C0806-3

10．本製品は乾燥剤入り、ハイバリア梱包である。
THIS PRODUCT IS DELIVERED IN HIGH BARRIER PACKAGE WITH DESICCANT.

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) POLYSTYLENE
⑤	トップテープ TOP TAPE	ポリエチレン、ポリエチレンテレフタレート POLYETHYLENE (PE), POLYETHYLENE TELEPHTHALATE (PET)
⑥	リール REEL	ポリスチレン　(リサイクル材を含む) POLYSTYLENE　(CONTAINED RECYCLED MATERIAL)

DOCUMENT STATUS	P1	RELEASE DATE	2020/09/28　02:59:19

49.4	45.4	20.2	40.4	44±0.3	26
					24
					22
					20
					18
37.4	33.4	14.2	28.4	32±0.3	16
					14
					12
29.4	25.4	11.5	-	24 +0.3 -0.1	10
					8
K	J	H	G	エンボステープ幅F WIDTH OF TAPE	極数 CIRCUIT NO

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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	±	0.25
0 PLACES	±	0.3

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: RELEASED

EC NO: 645962
DRWN: HHUSSIN 2020/09/15
CHK'D: SAKIYAMA 2020/09/25
APPR: KOMURAKAMI 2020/09/28

INITIAL REVISION:
DRWN: HHUSSIN 2020/09/15
APPR: KOMURAKAMI 2020/09/28

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 503148

molex

CLIK-MATE 1.5
DUAL ROW SMT R/A TYPE REC ASSY TIN PLATING

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
5031480001-SD	PSD	000	A

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL	4 OF 6

FORMAT: master-lb-prod-A3
REVISION: J
DATE: 2020/01/14

△3 適用製品及び各種仕様書
APPLICABLE PRODUCTS AND VARIOUS SPECIFICATIONS

梱包仕様書 PACKAGING SPECIFICATION	PART NUMBER	DOCUMENT NUMBER
	503148**7*	5031489200-SPK

適用嵌合相手 MATE WITH	HOUSING	TERMINAL	
		#24-28	#26-30
シリーズ番号 SERIES NUMBER	503149	502579	503429
製品仕様書 PRODUCT SPECIFICATION	5031490004-PS/PS/000		
アプリケーション仕様書 APPLICATION SPECIFICATION	AS-503149-001		

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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	± 0.25
0 PLACES	± 0.3

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: RELEASED

EC NO: 645962
DRWN: HHUSSIN 2020/09/15
CHK'D: SAKIYAMA 2020/09/25
APPR: KOMURAKAMI 2020/09/28

INITIAL REVISION:
DRWN: HHUSSIN 2020/09/15
APPR: KOMURAKAMI 2020/09/28

molex

CLIK-MATE 1.5
DUAL ROW SMT R/A TYPE REC ASSY TIN PLATING

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
5031480001-SD	PSD	000	A

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	503148	SEE CHART	GENERAL	5 OF 6

DOCUMENT STATUS	P1	RELEASE DATE	2020/09/28 02:59:19

FORMAT: master-lb-prod-A3
REVISION: J
DATE: 2020/01/14

△4 製品一覧
PRODUCTS LIST

黒 BLACK	ナチュラル(ベージュ) NATURAL(BEIGE)	HOUSING COLOR
503148 2671	503148 2670	26
503148 2471	503148 2470	24
503148 2271	503148 2270	22
503148 2071	503148 2070	20
503148 1871	503148 1870	18
503148 1671	503148 1670	16
503148 1471	503148 1470	14
503148 1271	503148 1270	12
503148 1071	503148 1070	10
503148 0871	503148 0870	8
オーダー番号 ORDER No		極数 CIRCUIT NO

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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	±	0.25
0 PLACES	±	0.3

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: RELEASED

EC NO: 645962
DRWN: HHUSSIN 2020/09/15
CHK'D: SAKIYAMA 2020/09/25
APPR: KOMURAKAMI 2020/09/28

INITIAL REVISION:
DRWN: HHUSSIN 2020/09/15
APPR: KOMURAKAMI 2020/09/28

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 503148

molex

CLIK-MATE 1.5
DUAL ROW SMT R/A TYPE REC ASSY TIN PLATING

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
5031480001-SD	PSD	000	A

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL	6 OF 6

DOCUMENT STATUS	P1	RELEASE DATE	2020/09/28 02:59:19

FORMAT: master-lib-prod-A3
REVISION: J
DATE: 2020/01/14