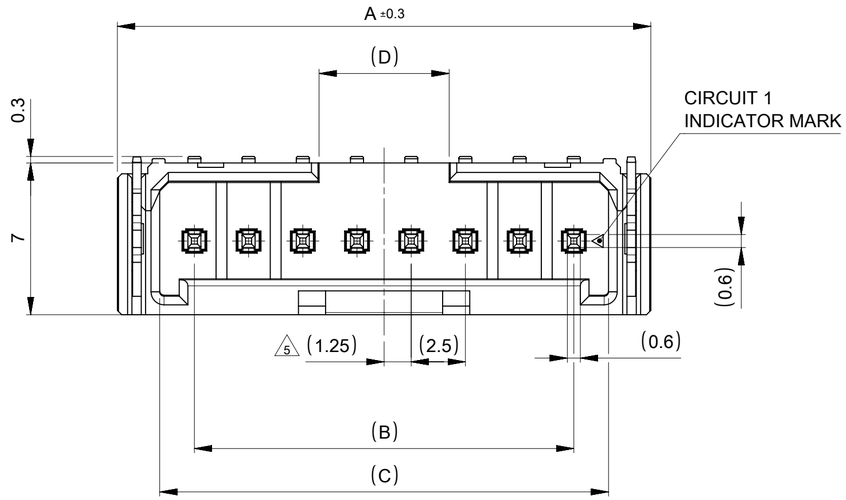
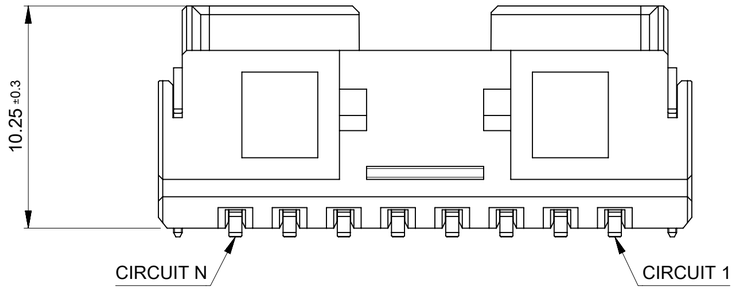
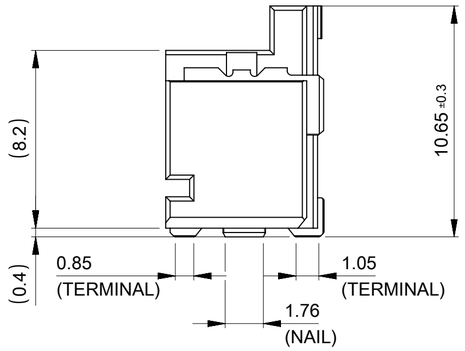
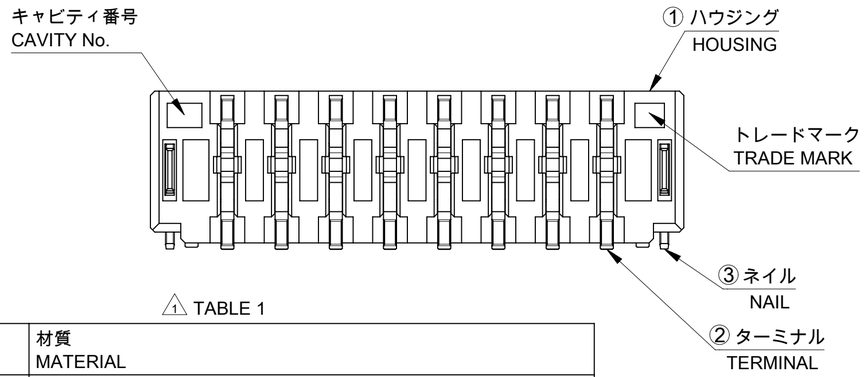
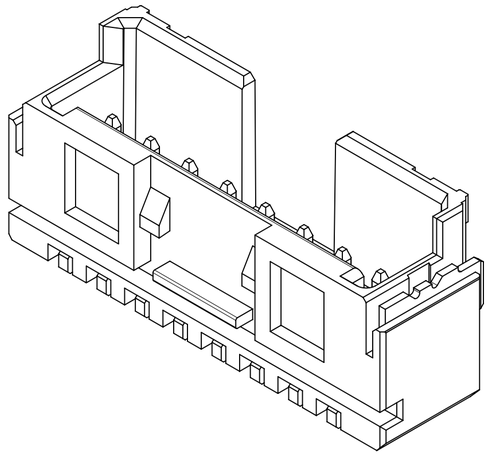










NOTES

△1 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

215931 ** 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	2159311571	2159311570	15
6	35.7	32.5	39.6	2159311471	2159311470	14
6	33.2	30	37.1	2159311371	2159311370	13
6	30.7	27.5	34.6	2159311271	2159311270	12
6	28.2	25	32.1	2159311171	2159311170	11
6	25.7	22.5	29.6	2159311071	2159311070	10
6	23.2	20	27.1	2159310971	2159310970	9
6	20.7	17.5	24.6	2159310871	2159310870	8
6	18.2	15	22.1	2159310771	2159310770	7
6	15.7	12.5	19.6	2159310671	2159310670	6
6	13.2	10	17.1	2159310571	2159310570	5
6	10.7	7.5	14.6	2159310471	2159310470	4
5	8.2	5	12.1	2159310371	2159310370	3
2.5	5.7	2.5	9.6	2159310271	2159310270	2
D	C	B	A	オーダー番号：ORDER NUMBER 梱包形態：エンボス梱包 PACKAGING：EMBOSSED TAPE AND REEL		極数 CIRCUIT SIZE

△1 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	2022/04/01 10:28:19

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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	±	0.2
0 PLACES	±	0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 701596
DRWN: RWATANABE01 2021/10/18
CHK'D: AIDA 2022/03/31
APPR: SAKIYAMA 2022/04/01

INITIAL REVISION:
DRWN: RWATANABE01 2021/10/18
APPR: SAKIYAMA 2022/04/01

molex

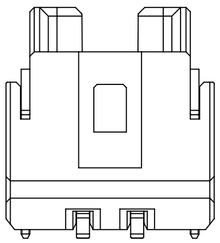
MINI-LOCK 2.5
SINGLE ROW HEADER ASSEMBLY SMT VT

PRODUCT CUSTOMER DRAWING

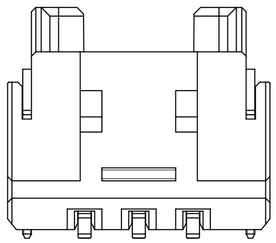
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2159310000-SD	PSD	000	A

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A2-SIZE	215931	SEE SHEET1	GENERAL	1 OF 3

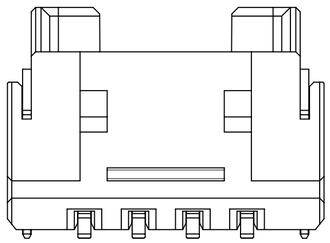
FORMAT: Molex standard-A2
REVISION: 2021.0
DATE: 2021/08/27



2CIRCUIT

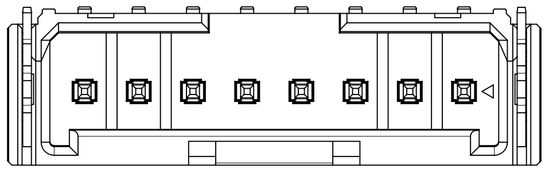


3CIRCUIT

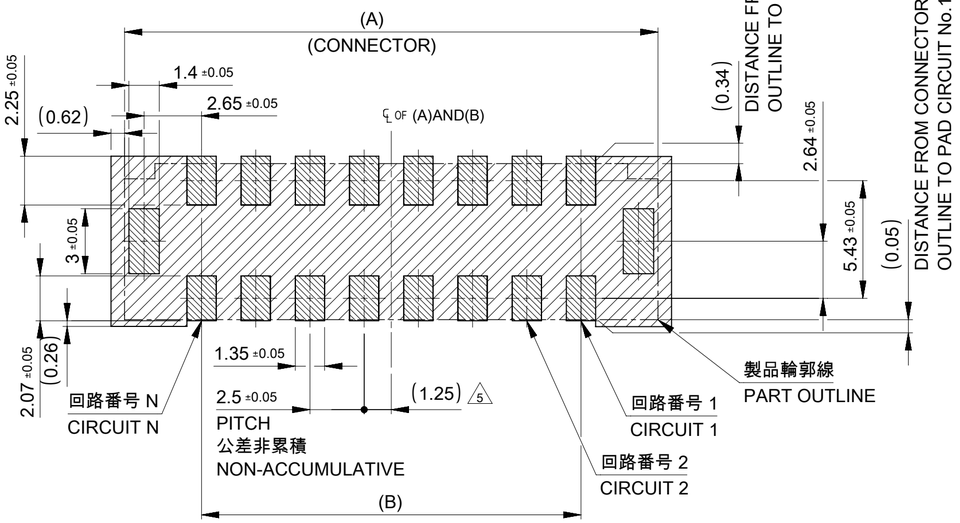


4-15CIRCUIT

ロック形状図
LOCK CONFIGURATION



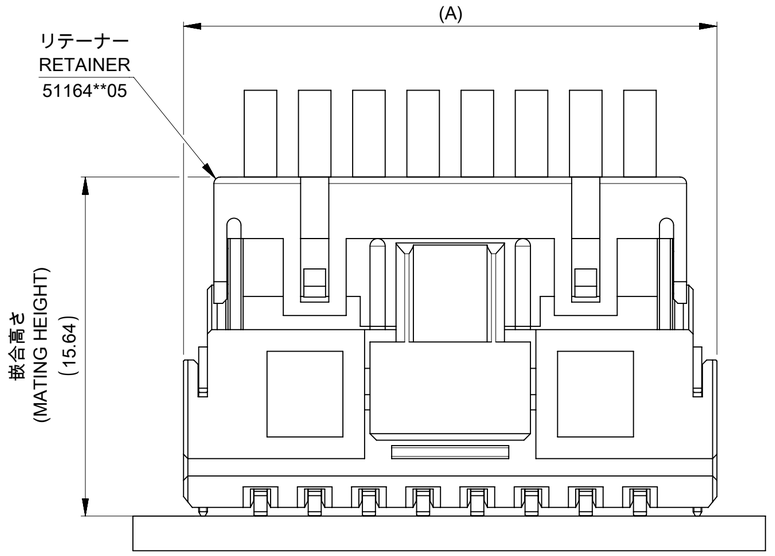
製品レイアウト
PRODUCT LAYOUT

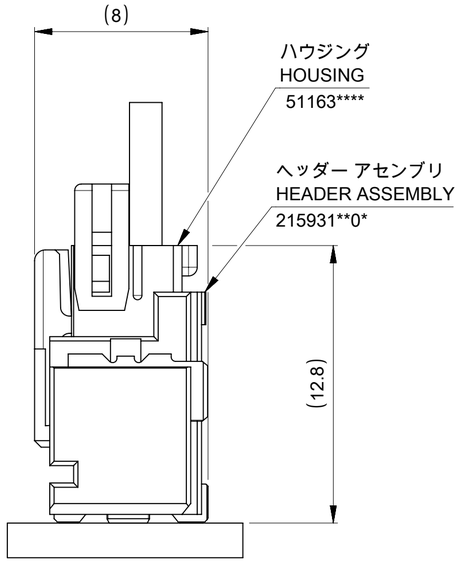


推奨基板レイアウト
RECOMMENDED PCB PATTERN LAYOUT

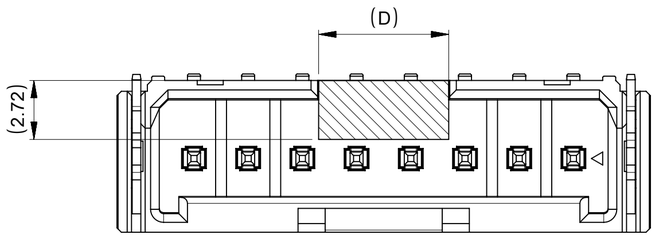
(参考：基板厚1.6mm, メタルマスク厚さ 0.15mm, マスク開口率 100%)
(REFERENCE: PCB THICKNESS 1.6mm, STENCIL THICKNESS 0.15mm, APERTURE RATIO 100%)

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.





嵌合状態図
MATED CONNECTORS



吸着範囲
SUCTION AREA

6	15
6	14
6	13
6	12
6	11
6	10
6	9
6	8
6	7
6	6
6	5
6	4
5	3
2.5	2
D	極数 CIRCUIT SIZE

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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	± 0.2
0 PLACES	± 0.2
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
THIRD ANGLE PROJECTION	
DRAWING	A2-SIZE
SERIES	215931
MATERIAL NUMBER	SEE SHEET1
CUSTOMER	GENERAL
SHEET NUMBER	2 OF 3

CURRENT REV DESC:

EC NO: 701596
DRWN: RWATANABE01 2021/10/18
CHK'D: AIDA 2022/03/31
APPR: SAKIYAMA 2022/04/01

INITIAL REVISION:
DRWN: RWATANABE01 2021/10/18
APPR: SAKIYAMA 2022/04/01

molex

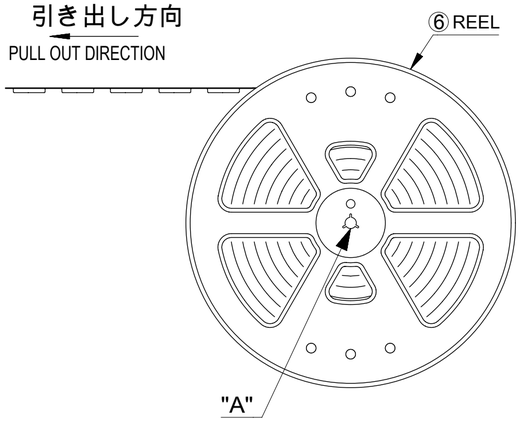
MINI-LOCK 2.5
SINGLE ROW HEADER ASSEMBLY SMT VT

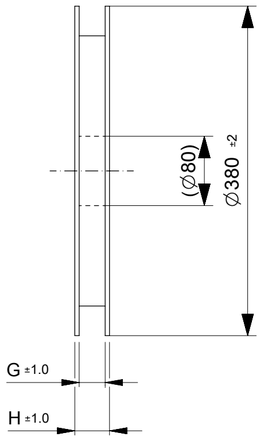
PRODUCT CUSTOMER DRAWING

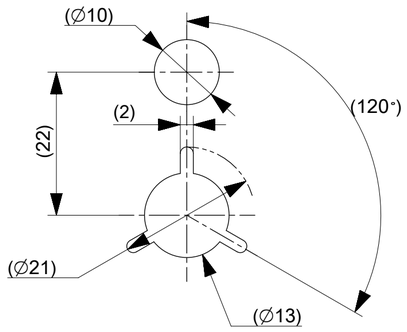
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2159310000-SD	PSD	000	A

DOCUMENT STATUS	P1	RELEASE DATE	2022/04/01 10:28:19

引き出し方向
PULL OUT DIRECTION



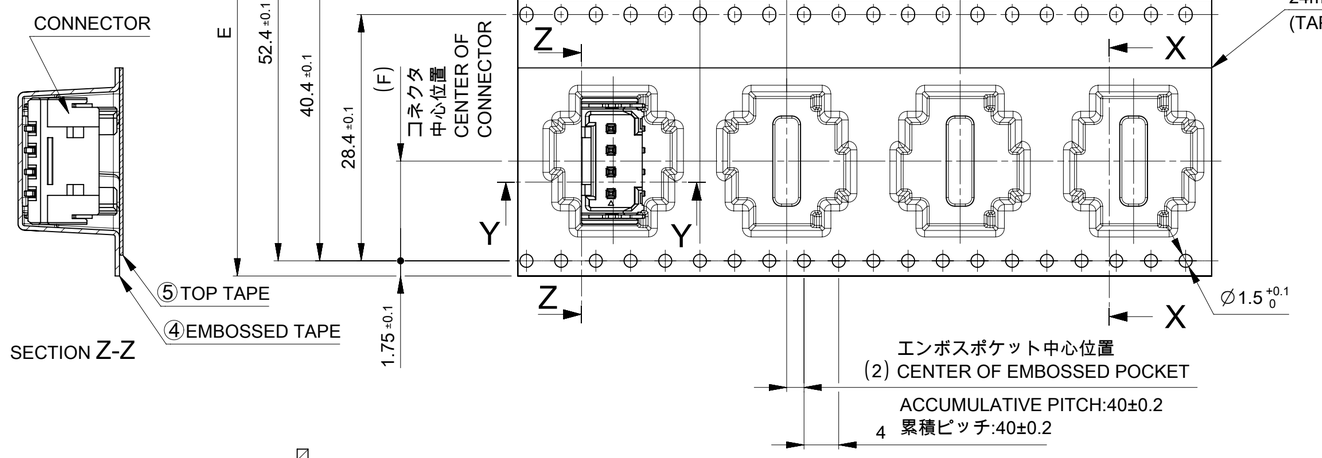




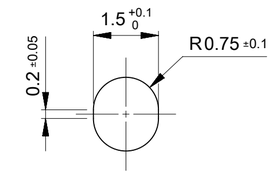
DETAIL "D"

引き出し方向
PULL OUT DIRECTION

送り穴とのずれ量 0.05 MAX
(SKEW BETWEEN ROUND AND ELONGATED SPROCKET HOLE)



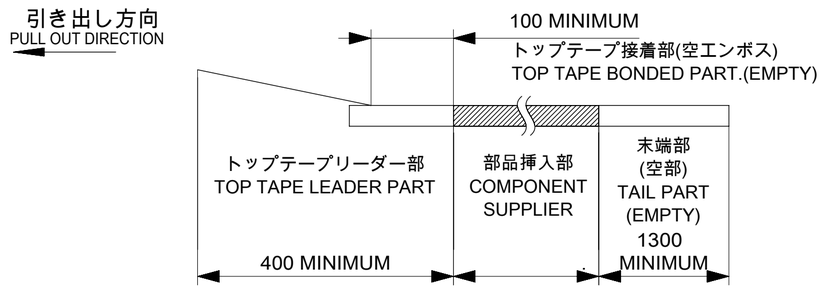
SECTION Z-Z



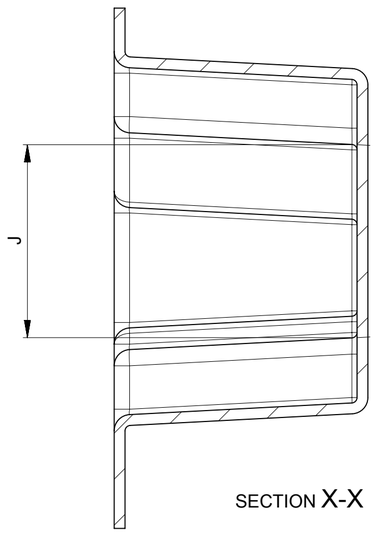
DETAIL W

NOTES

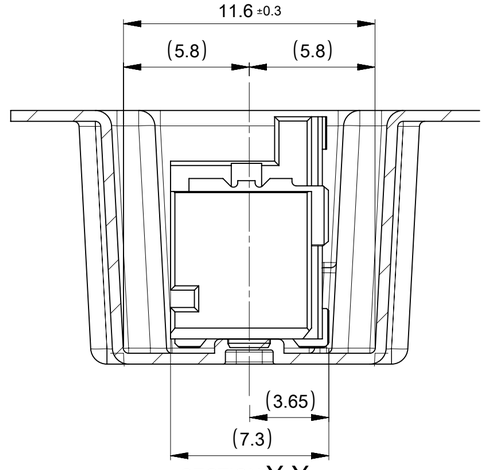
9. 梱包数量： 350個 / リール
   NUMBER OF CONNECTORS : 350 PIECES/REEL.
10. リードテープ長さ
    LEAD TAPE LENGTH.



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：2159319200-SPK 200
    PACKAGING SPECIFICATION: 2159319200-SPK 200



SECTION X-X



SECTION Y-Y

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

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	2022/04/01 10:28:19

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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	±	0.2
0 PLACES	±	0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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INITIAL REVISION:
DRWN: RWATANABE01 2021/10/18
APPR: SAKIYAMA 2022/04/01

THIRD ANGLE PROJECTION | DRAWING: A2-SIZE | SERIES: 215931

molex

MINI-LOCK 2.5
SINGLE ROW HEADER ASSEMBLY SMT VT

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2159310000-SD	PSD	000	A

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE SHEET1	GENERAL	3 OF 3