NOTES

△1 材料及び仕上げ(めっき仕様)：TABLE1参照
MATERIAL AND FINISES:SEE TABLE 1

2. 製品仕様：2147190000-PS 000
PRODUCT SPECIFICATION：2147190000-PS 000

3. 梱包仕様：2147219200-SPK 200
PACKING SPECIFICATION：2147219200-SPK 200

4. 嵌合相手：214719 SERIES
MATE WITH：214719 SERIES

5. アプリケーション仕様書
(コネクタ取扱い説明書)：2166940000-AS 000
APPLICATION SPECIFICATION
(CONNECTOR MANUAL)：2166940000-AS 000

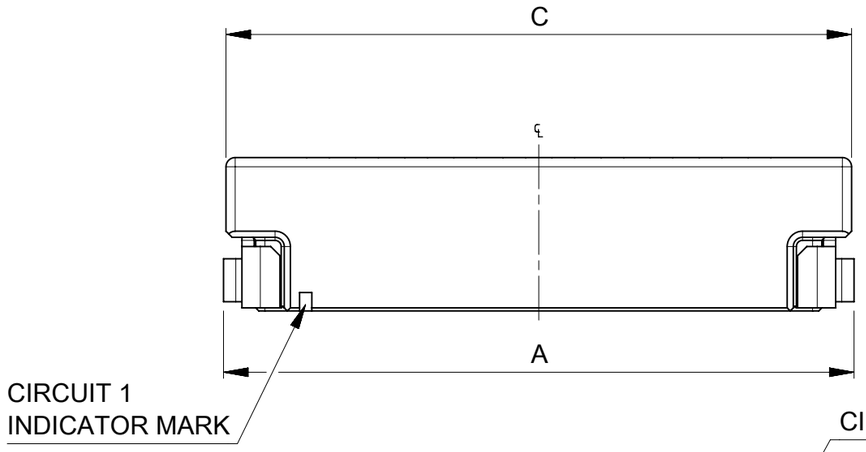
6. 端子テール部及びネイルの平坦度：0.1MAX.
TAIL AND NAIL COPLANARITY TO BE 0.1 MAX.
極数/2 = 偶数に適応
△7 APPLY FOR CIRCUIT SIZE / 2 = EVEN
発注番号(製品番号)：SHEET 4の製品一覧を参照ください
△8 ORDER No (MATERIAL No)：
REFER TO SHEET 4 FOR PRODUCT LIST

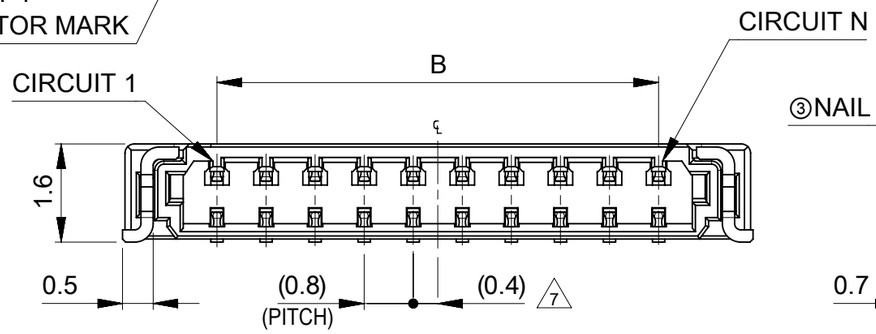
214721 0**0

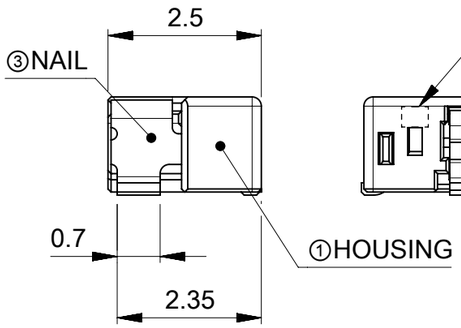
シリーズ番号
SERIES No.

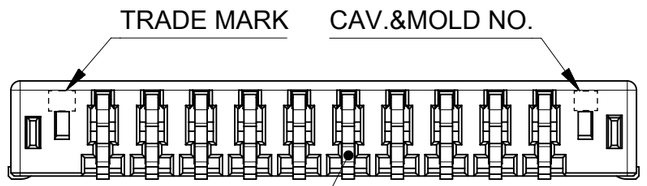
極数
CIRSUIT SIZE

9. 本製品のプラスチック部に黒点、白点等が確認される場合や
色合いが異なる場合がありますが、製品機能に影響はありません。
THERE IS NO INFLUENCE IN THE PRODUCT PERFORMANCE
THOUGH THE BLACK AND WHITE SPOT ETC.
MIGHT BE CONFIRMED TO THE PLASTIC PART OF
THIS PRODUCT AND THE SHADE MIGHT BE DIFFERENT.

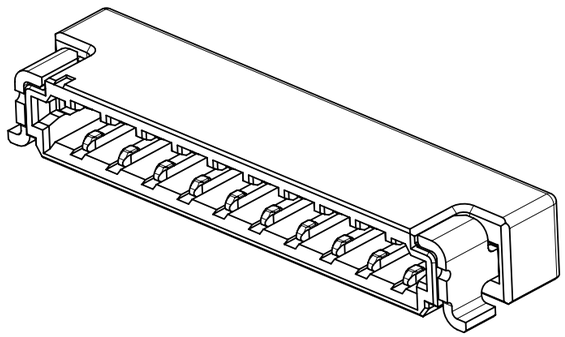








②TERMINAL



18.8	5.6	18.2	15.2	18.28	20
18.0		17.4	14.4	17.48	19
17.2		16.6	13.6	16.68	18
16.4		15.8	12.8	15.88	17
15.6		15	12	15.08	16
14.8		14.2	11.2	14.28	15
14.0		13.4	10.4	13.48	14
13.2		12.6	9.6	12.68	13
12.4		11.8	8.8	11.88	12
11.6		11	8	11.08	11
10.8		10.2	7.2	10.28	10
10.0		9.4	6.4	9.48	9
9.2		8.6	5.6	8.68	8
8.4	3.2	7.8	4.8	7.88	7
7.6		7	4	7.08	6
6.8		6.2	3.2	6.28	5
6.0	2.9	5.4	2.4	5.48	4
5.2	2.1	4.6	1.6	4.68	3
4.4	1.3	3.8	0.8	3.88	2
E	D	C	B	A	極数 CIRCUIT SIZE

△1 TABLE 1

番号 NO.	部品 PART	材質 MATERIAL
①	ハウジング HOUSING	液晶ポリマー(LCP), UL94 V-0, LOW HALOGEN, 黒 LIQUID CRYSTAL POLYMER(LCP), UL94 V-0, LOW HALOGEN, BLACK
②	ターミナル TERMINAL	銅合金 COPPER ALLOY
		ニッケルめっき(下地)：1.0 MICROMETER MINIMUM NICKEL (UNDER PLATING)
		錫めっき(リフロー処理)：1.0 MICROMETER MINIMUM MATTE TIN REFLOW TREATMENT
③	ネイル NAIL	リン青銅 PHOSPHOR BRONZE
		ニッケルめっき(下地)：1.0 MICROMETER MINIMUM NICKEL (UNDER PLATING)
		錫めっき(リフロー処理)：1.0 MICROMETER MINIMUM MATTE TIN REFLOW TREATMENT

DOCUMENT STATUS | P1 | RELEASE DATE | 2022/01/28 07:34:50

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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

CURRENT REV DESC:

EC NO: 693607
DRWN: HKOBAYASHI 2021/07/12
CHK'D: AIDA 2022/01/28
APPR: SAKIYAMA 2022/01/28

INITIAL REVISION:
DRWN: HKOBAYASHI 2021/07/12
APPR: SAKIYAMA 2022/01/28

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 214721

molex

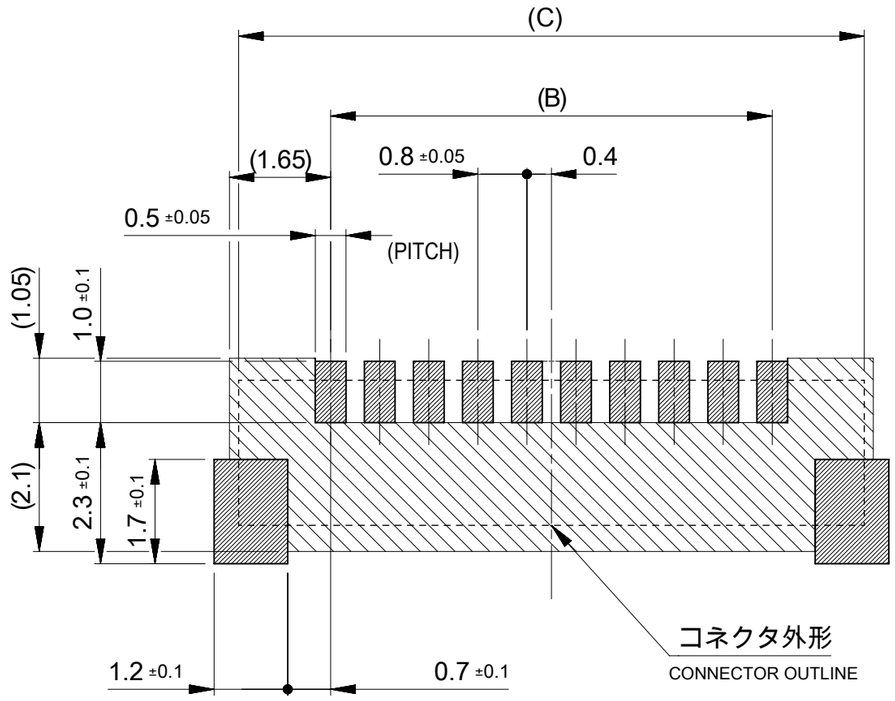
ZERO-HACHI 0.8 HDR SINGLE ROW RA ASSY

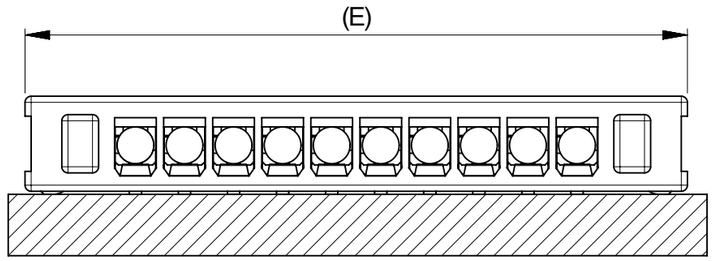
PRODUCT CUSTOMER DRAWING

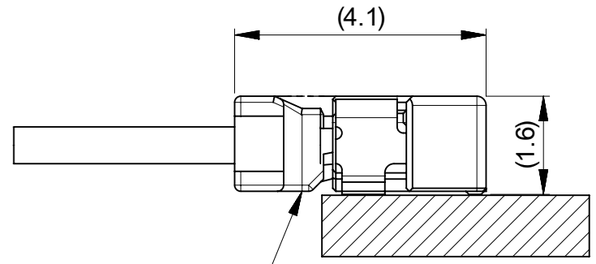
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2147210000-SD	PSD	000	A

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL	1 OF 4

FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01





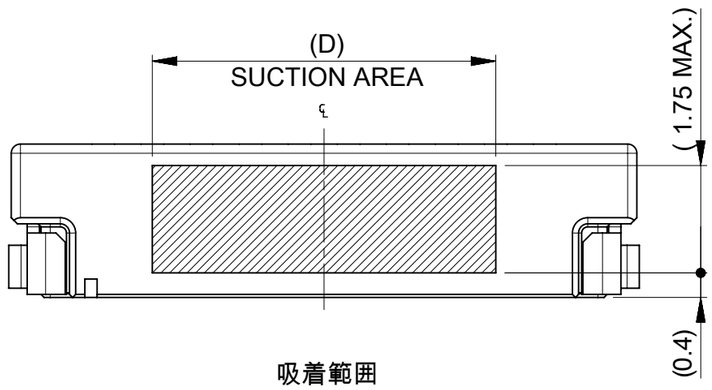


嵌合相手：214719シリーズ
MATE WITH:214719 SERIES

嵌合状態図
MATED CONNECTORS

推奨基板パターンレイアウト(参考)
RECOMENDED PCB PATTERN LAYOUT(REF.)
(参考：メタルマスク厚さ 0.1mm, マスク開口率100％)
(REF:METAL MASK THICKNESS 0.1mm, 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.



吸着範囲
SUCTION AREA

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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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CHK'D: AIDA 2022/01/28
APPR: SAKIYAMA 2022/01/28

INITIAL REVISION:
DRWN: HKOBAYASHI 2021/07/12
APPR: SAKIYAMA 2022/01/28

THIRD ANGLE PROJECTION	DRAWING	SERIES
	A3-SIZE	214721

molex

ZERO-HACHI 0.8 HDR SINGLE ROW RA ASSY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2147210000-SD	PSD	000	A

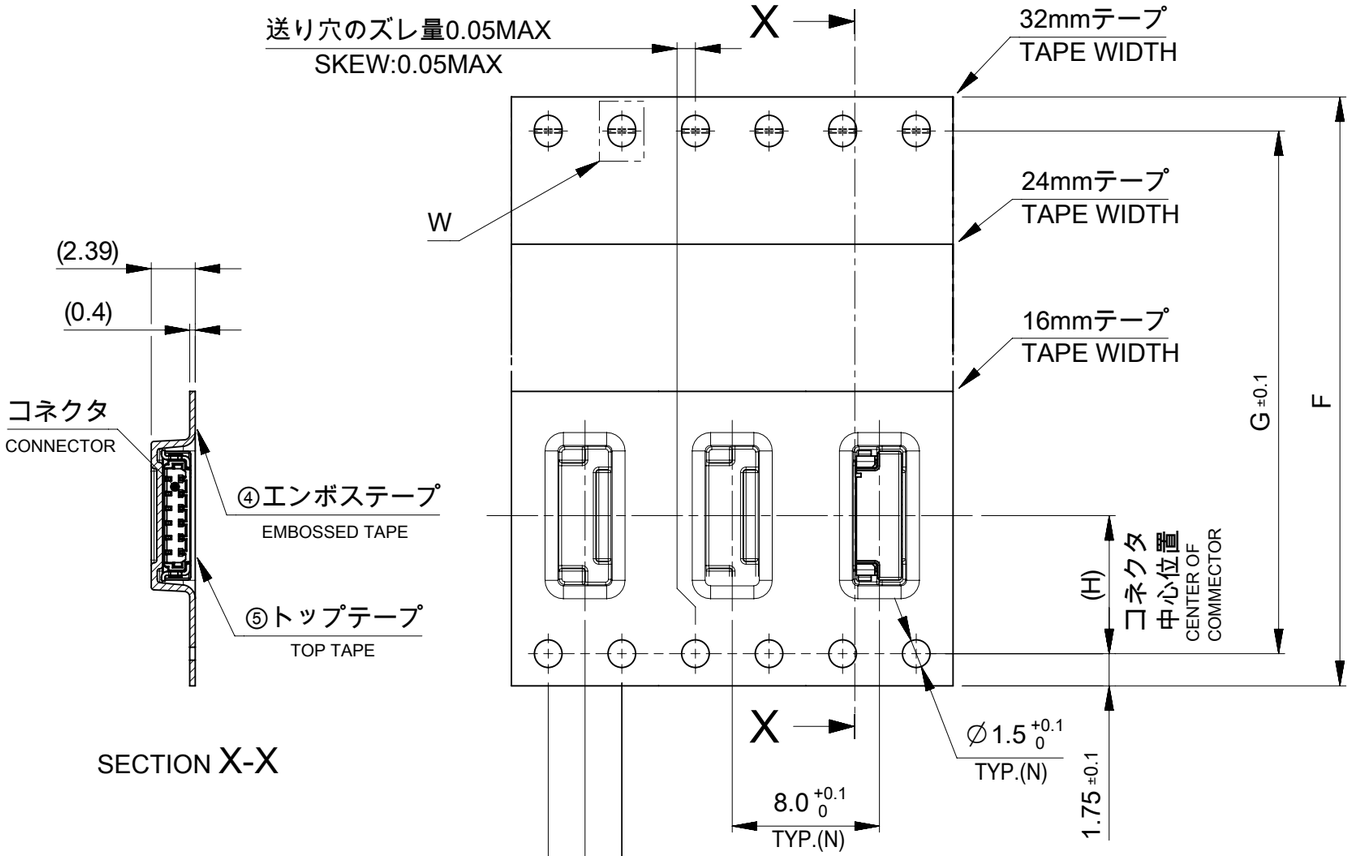
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL	2 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2022/01/28 07:34:50

FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01

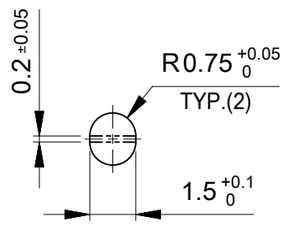
引き出し方向
PULL OUT DIRECTION

送り穴のズレ量0.05MAX
SKEW:0.05MAX



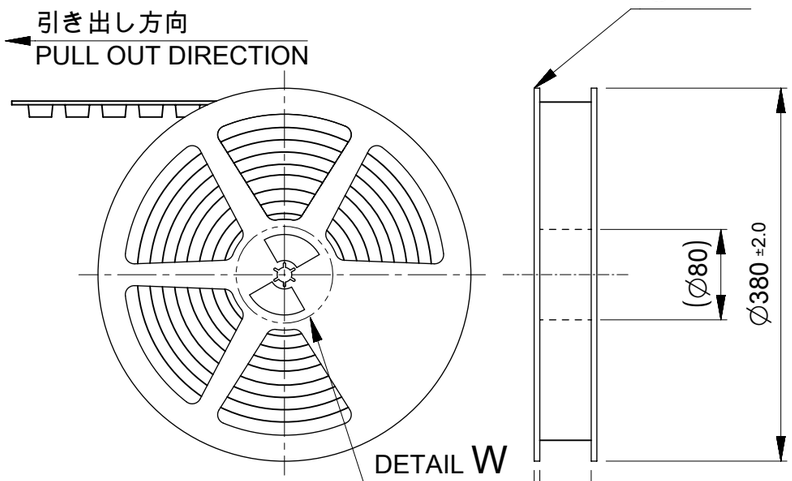
SECTION X-X

(2) エンボスポケット中心位置
CENTER OF EMBOSSED POCKET
4 ±0.1 累積ピッチ：40±0.2
ACCUMULATIVE PITCH

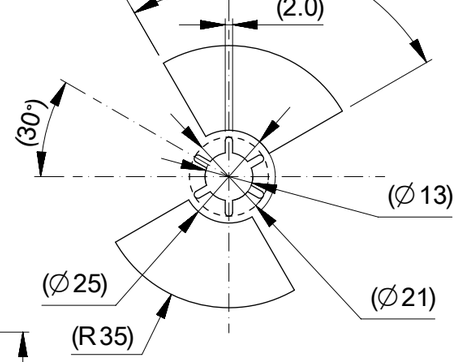


DETAIL W
SCALE 5:1

引き出し方向
PULL OUT DIRECTION



DETAIL W

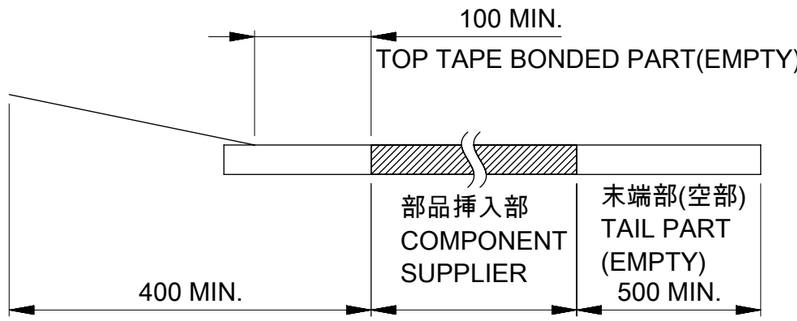


DETAIL W

NOTES
梱包数量：5,000個
NUMBER OF CONNECTORS:5,000PIECES/REEL
リードテープ長さ
LEAD TAPE LENGTH

引き出し方向
PULL OUT
DIRECTION

トップテープ接着部(空エンボス)



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.
梱包仕様書：2147219200-SPK PS 200
PACAGING SPECIFICATION:2147219200-SPK PS 200

J	H	G	エンボステープ幅F WIDTH OF TAP F	極数 CIRCUIT SIZE
33.5	14.2	28.4	32±0.3	20
				19
				18
				17
25.5	11.5	-	24+0.3/-0.1	16
				15
				14
				13
				12
				11
				10
				9
				8
				7
17.5	7.5	-	16+0.3/-0.1	6
				5
				4
				3
				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) POLYSTYLENE(PS), etc
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) POLYSTYLENE

DOCUMENT STATUS	P1	RELEASE DATE	2022/01/28 07:34:50

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DIMENSION UNITS	SCALE
mm	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	3.0 °
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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

CURRENT REV DESC:

EC NO: 693607
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APPR: SAKIYAMA 2022/01/28

INITIAL REVISION:
DRWN: HKOBAYASHI 2021/07/12
APPR: SAKIYAMA 2022/01/28

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 214721

molex

ZERO-HACHI 0.8 HDR SINGLE ROW RA ASSY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2147210000-SD	PSD	000	A

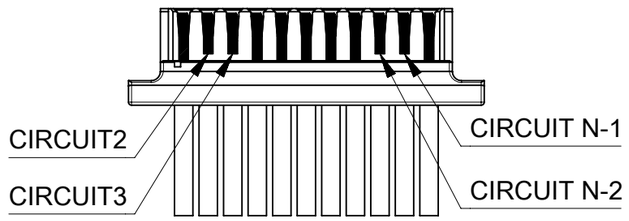
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL	3 OF 4

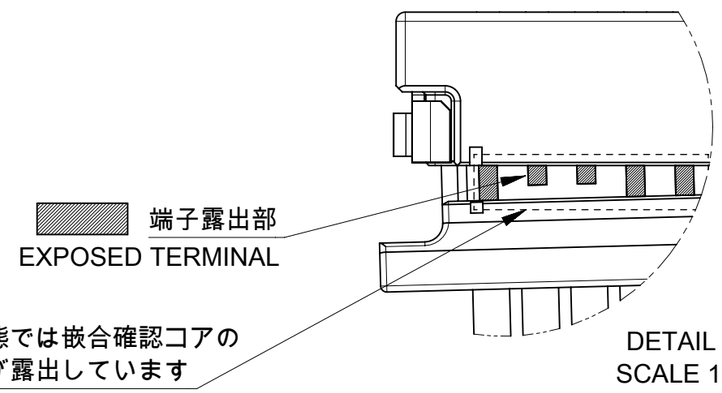
FORMAT: master-ib-prod-A3
REVISION: J1
DATE: 2021/05/01

半嵌合防止形状(11極～20極)

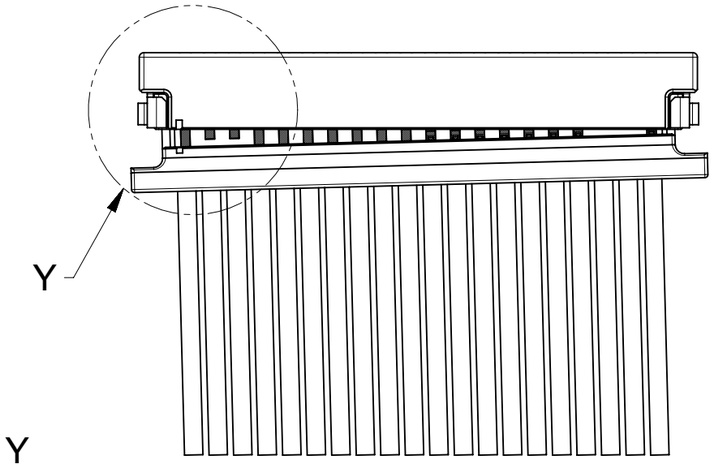
INCOMPLETE MATING PREVENTION SHAPE (11~20 CIRCUIT)

嵌合確認コア
MATING CHECK CORE



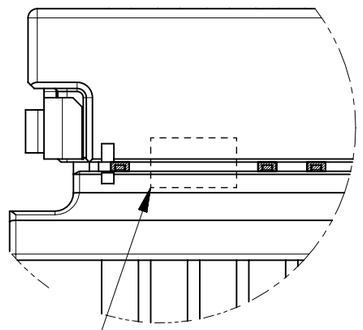


DETAIL Y
SCALE 10:1



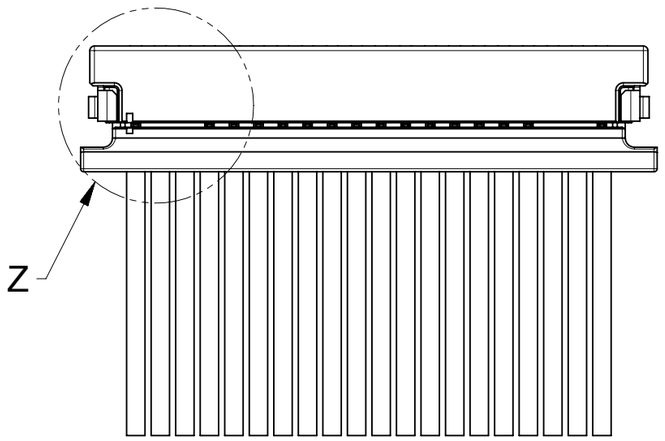
半嵌合
INCOMPLETE MATING

THE EXPOSED TERMINAL CONTACTS IN MATING CHECK CORE
INDICATES THE CRIMP HOUSING IS NOT COMPLETELY MATED TO THE HEADER.



DETAIL Z
SCALE 10:1

正しい位置まで嵌合すると嵌合確認コアの
圧着端子が隠れて目視出来なくなります。



嵌合完了
MATING COMPLETE

WHEN THE TERMINAL CONTACTS IN MATING CHECK CORE ARE NOT EXPOSED,
IT INDICATES THE CRIMP HOUSING IS COMPLETELY MATED TO THE HEADER.

△8 発注番号一覧
ORDER NUMBER LIST

黒 BLACK	ハウジング色 HOUSING COLOR
214721 0200	20
214721 0190	19
214721 0180	18
214721 0170	17
214721 0160	16
214721 0150	15
214721 0140	14
214721 0130	13
214721 0120	12
214721 0110	11
214721 0100	10
214721 0090	9
214721 0080	8
214721 0070	7
214721 0060	6
214721 0050	5
214721 0040	4
214721 0030	3
214721 0020	2
発注番号 ORDER NO.	極数 CIRCUIT SIZE
梱包形態：エンボスリール PACKAGE:EMBOSSED REEL	

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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: 693607
DRWN: HKOBAYASHI 2021/07/12
CHK'D: AIDA 2022/01/28
APPR: SAKIYAMA 2022/01/28

INITIAL REVISION:
DRWN: HKOBAYASHI 2021/07/12
APPR: SAKIYAMA 2022/01/28

molex

ZERO-HACHI 0.8 HDR SINGLE ROW RA ASSY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2147210000-SD	PSD	000	A

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	214721		GENERAL	4 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2022/01/28 07:34:50

FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01