

- 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 001
PRODUCT SPECIFICATION : 2147190000-PS 001
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.
- △7 極数 = 偶数に適応
APPLY FOR CIRCUIT SIZE = EVEN
- △8 発注番号(製品番号)：SHEET 4の製品一覧を参照ください
ORDER No (MATERIAL No) :
REFER TO SHEET 4 FOR PRODUCT LIST

シリーズ番号

SERIES No.

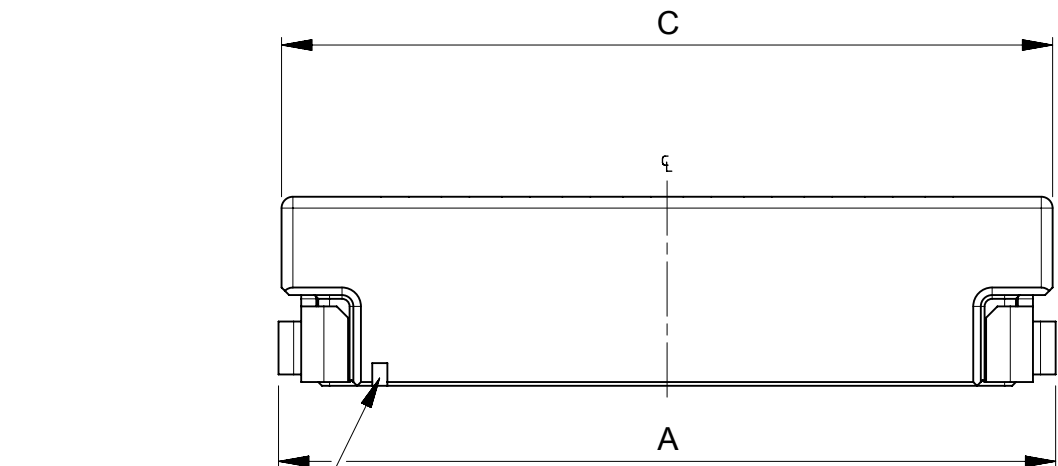
極數

CIRCUIT 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.

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	極數 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)				ZERO-HACHI 0.8 HDR ASSEMBLY SINGLE ROW RIGHT ANGLE GOLD PLATING											
ANGULAR TOL ± 3.0°															
4 PLACES		± 0.2		EC NO: 747483				PRODUCT CUSTOMER DRAWING							
3 PLACES		± 0.2		DRWN: HKOBAYASHI 2023/03/06											
2 PLACES		± 0.2		CHK'D: AIDA 2023/07/20											
1 PLACE		± 0.2		APPR: SAKIYAMA 2023/07/20				DOCUMENT NUMBER 2147210000-SD							
0 PLACES		± 0.2		INITIAL REVISION:								DOC TYPE		DOC PART	
DRWN: HKOBAYASHI 2023/03/06				APPR: SAKIYAMA 2023/07/20				PSD		001		A			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		214721				GENERAL		1 OF 4	



CIRCUIT 1
INDICATOR MARK

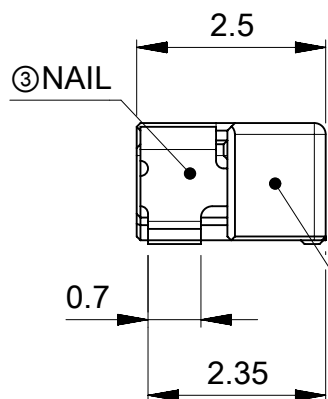
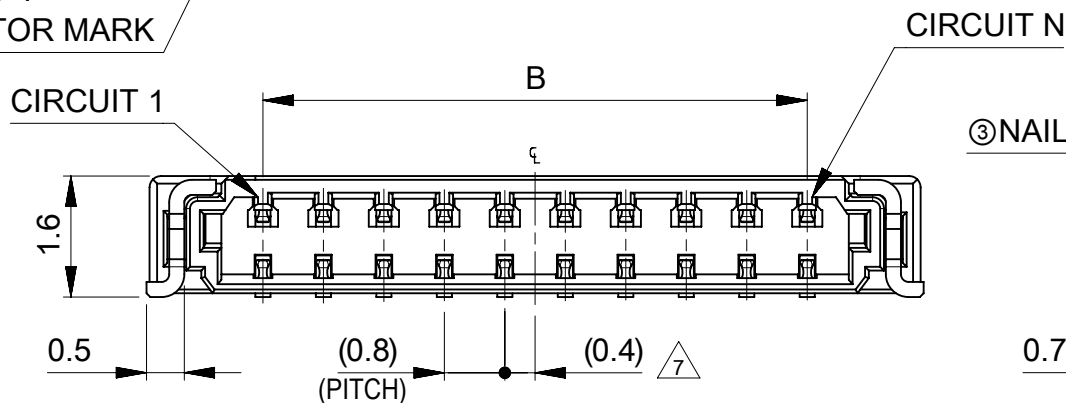
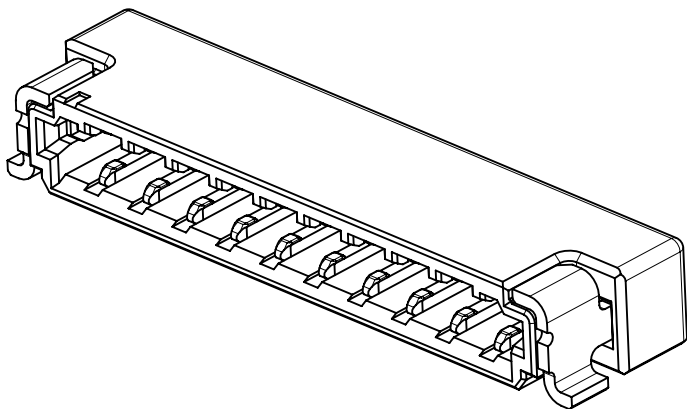
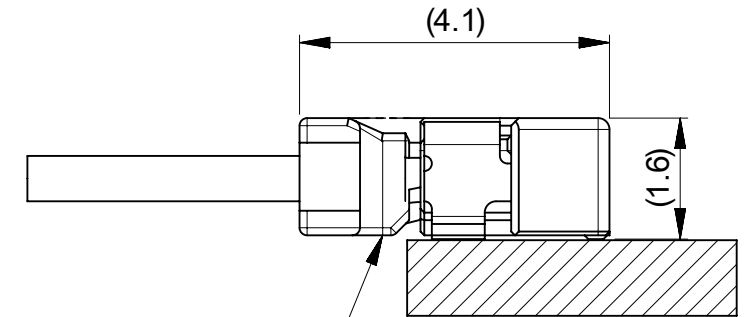
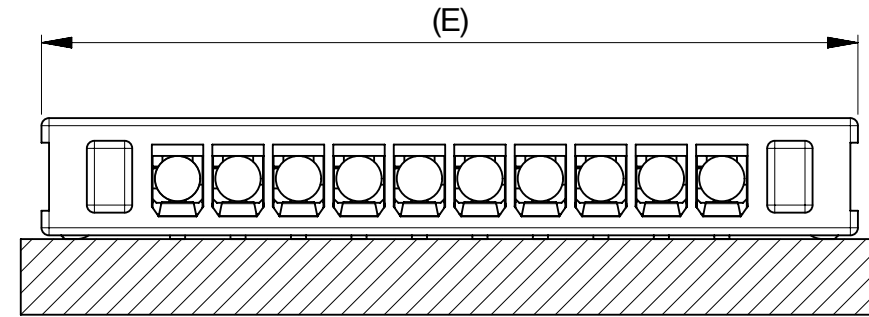
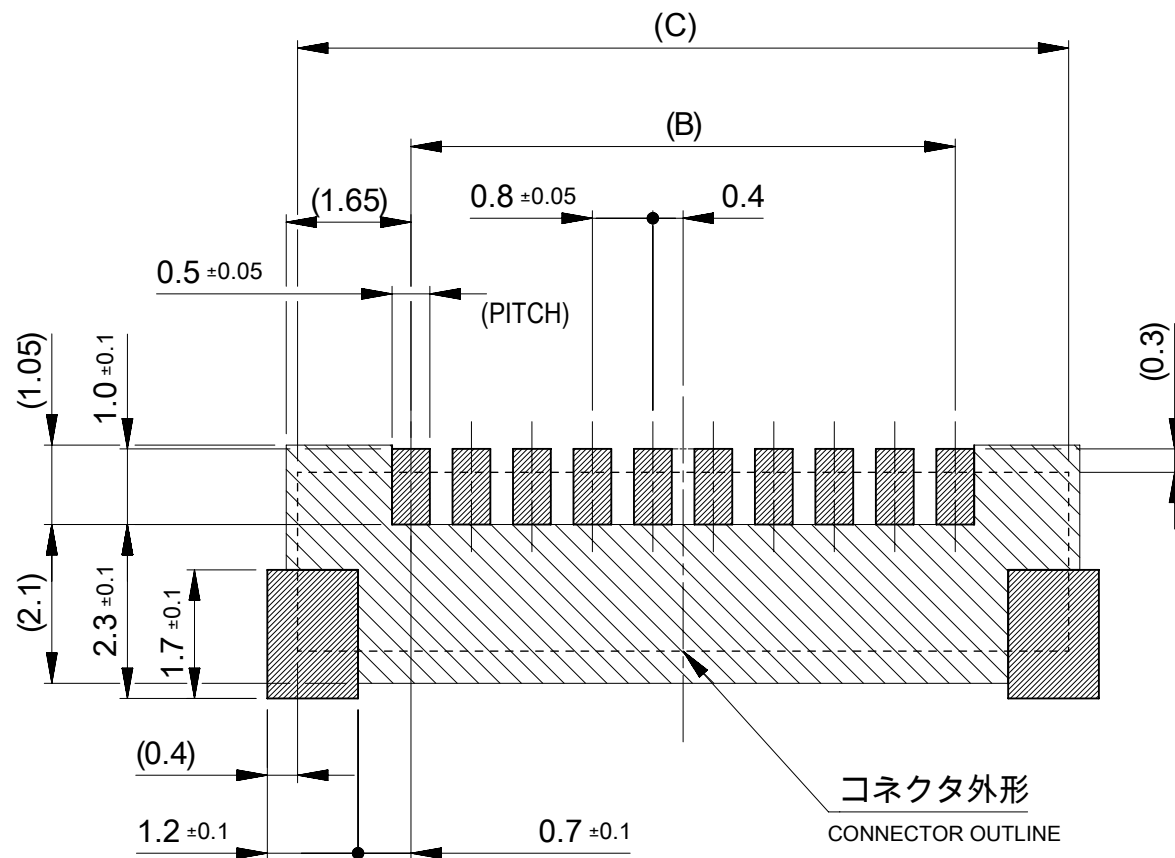


Diagram illustrating the top view of the connector housing. The housing is labeled with "TRADE MARK" and "CAV.&MOLD NO." on the top edge. The terminals are numbered 1 through 10, with terminal 10 being the central terminal. The diagram also shows the "HOUSING" and "TERMINAL" components.



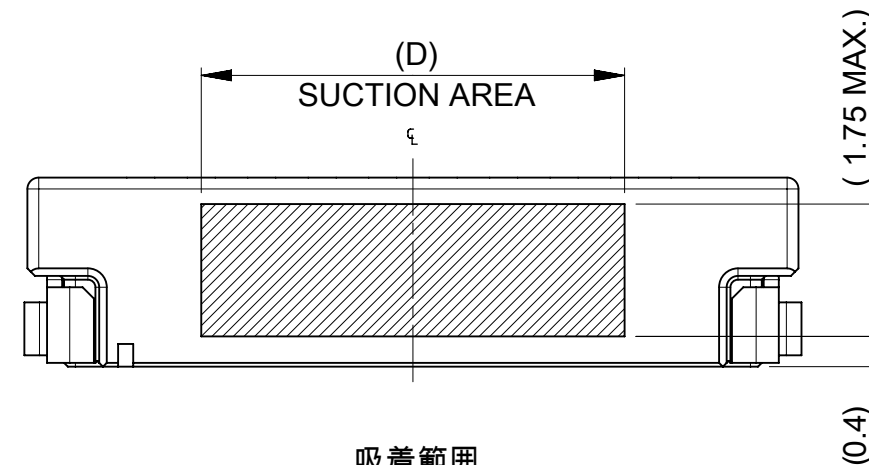
 **TABLE 1**

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	
		接点部 CONTACT AREA	金めっき : 0.1 MICROMETER MINIMUM GOLD PLATING
		半田付け部 TAIL AREA	金めっき : GOLD PLATING
		下地めっき UNDER PLATING	ニッケルめっき(下地) : 1.0 MICROMETER MINIMUM NICKEL (UNDER PLATING)
③	ネイル NAIL	リン青銅 PHOSPHOR BRONZE	
		半田付け部 TAIL AREA	錫めっき(リフロー処理) : 1.0 MICROMETER MINIMUM MATTE TIN REFLOW TREATMENT
		下地めっき UNDER PLATING	ニッケルめっき(下地) : 1.0 MICROMETER MINIMUM NICKEL (UNDER PLATING)



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

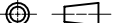
嵌合状態図
MATED CONNECTORS

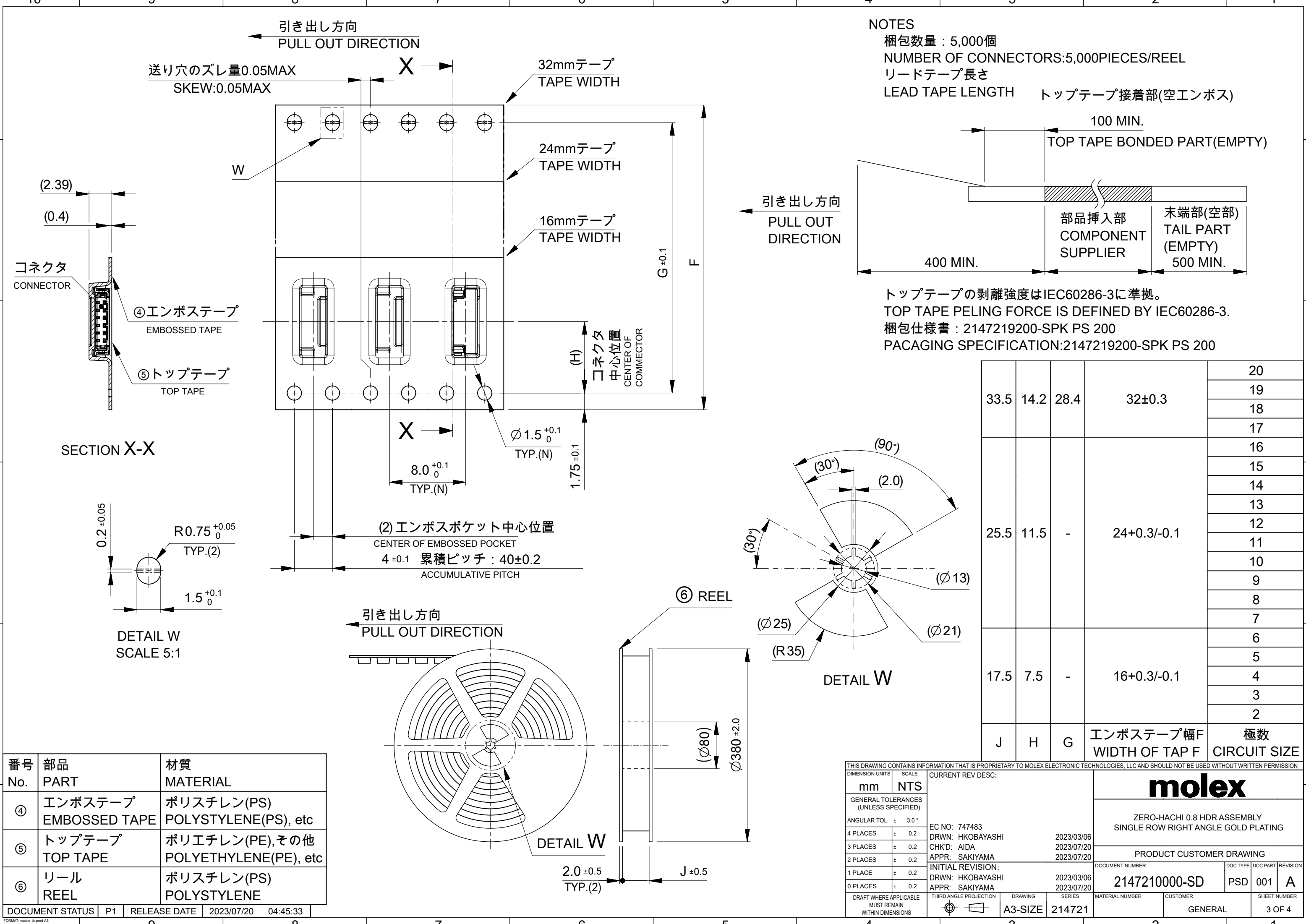


吸着範囲
SUCTION AREA

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.

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)				ZERO-HACHI 0.8 HDR ASSEMBLY SINGLE ROW RIGHT ANGLE GOLD PLATING							
ANGULAR TOL ± 3.0 °											
4 PLACES		± 0.2									
3 PLACES		± 0.2									
2 PLACES		± 0.2									
1 PLACE		± 0.2		PRODUCT CUSTOMER DRAWING							
0 PLACES		± 0.2									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				EC NO: 747483 DRWN: HKOBAYASHI 2023/03/06 CHK'D: AIDA 2023/07/20 APPR: SAKIYAMA 2023/07/20 INITIAL REVISION: DRWN: HKOBAYASHI 2023/03/06 APPR: SAKIYAMA 2023/07/20			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
							2147210000-SD		PSD	001	A
							THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER
		A3-SIZE	214721			GENERAL		2 OF 4			



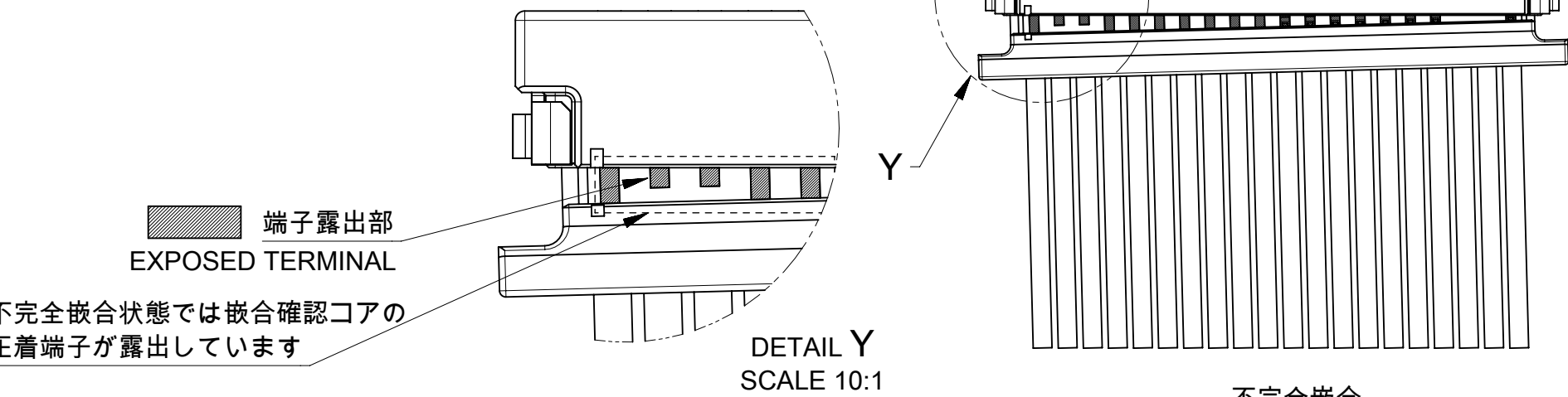
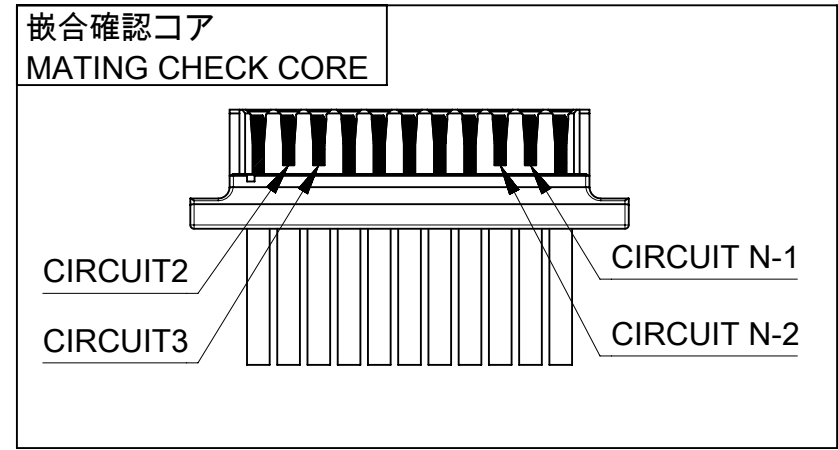
番号 No.	部品 PART	材質 MATERIAL
④	エンボステープ EMBOSSSED TAPE	ポリスチレン(PS) POLYSTYLENE(PS), etc
⑤	トップテープ TOP TAPE	ポリエチレン(PE),その他 POLYETHYLENE(PE), etc
⑥	リール REEL	ポリスチレン(PS) POLYSTYLENE

DOCUMENT STATUS	P1	RELEASE DATE	2023/07/20	04:45:33
-----------------	----	--------------	------------	----------

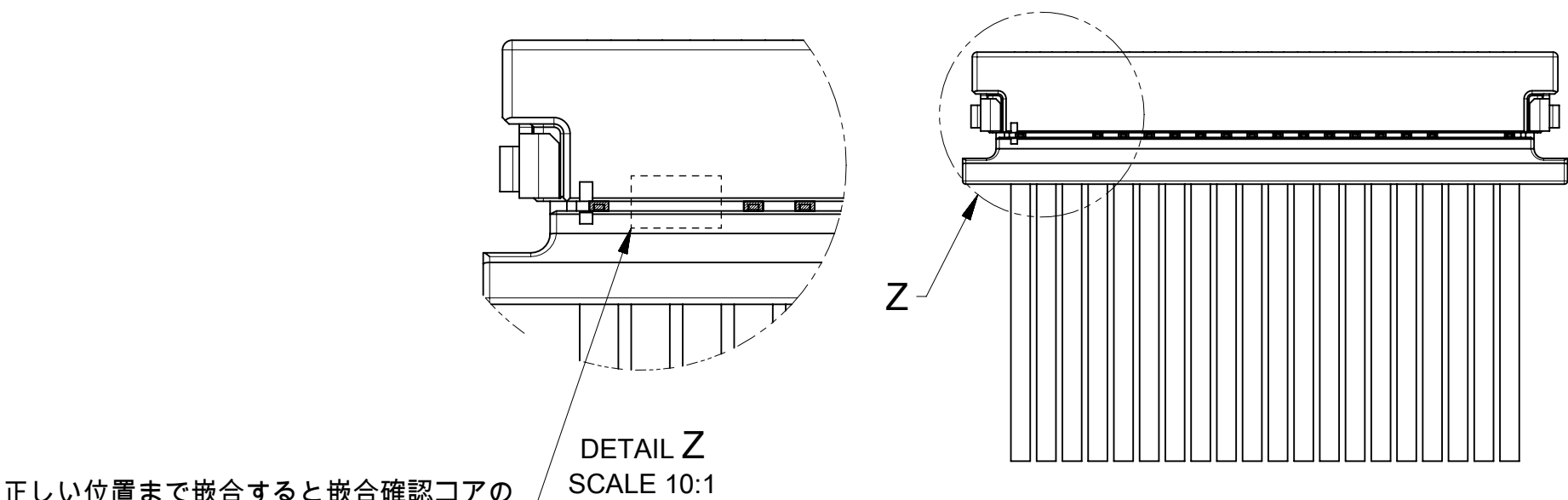
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex	
DIMENSION UNITS	SCALE			ZERO-HACHI 0.8 HDR ASSEMBLY SINGLE ROW RIGHT ANGLE GOLD PLATING	
mm	NTS			PRODUCT CUSTOMER DRAWING	
GENERAL TOLERANCES (UNLESS SPECIFIED)				DOCUMENT NUMBER	
ANGULAR TOL	± 3.0 °			2147210000-SD	
4 PLACES	± 0.2			DOC TYPE	
3 PLACES	± 0.2			PSD	
2 PLACES	± 0.2			DOC PART	
1 PLACE	± 0.2			001	
0 PLACES	± 0.2			REVISION	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		A	
		DRAWING		SHEET NUMBER	
		A3-SIZE		3 OF 4	
		SERIES			
		214721			
		MATERIAL NUMBER			
		CUSTOMER			
		GENERAL			

不完全嵌合防止形状(11極 ~ 20極)

INCOMPLETE MATING PREVENTION SHAPE (11~20 CIRCUIT)



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



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

嵌合完了
MATING COMPLETE

△ 8 発注番号一覧
ORDER NUMBER LIST

黒 BLACK	ハウジング色 HOUSING COLOR
214721 0201	20
214721 0191	19
214721 0181	18
214721 0171	17
214721 0161	16
214721 0151	15
214721 0141	14
214721 0131	13
214721 0121	12
214721 0111	11
214721 0101	10
214721 0091	9
214721 0081	8
214721 0071	7
214721 0061	6
214721 0051	5
214721 0041	4
214721 0031	3
214721 0021	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	

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: EC NO: 747483 DRWN: HKOBAYASHI CHK'D: AIDA APPR: SAKIYAMA INITIAL REVISION: DRWN: HKOBAYASHI APPR: SAKIYAMA DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS THIRD ANGLE PROJECTION DRAWING SERIES MATERIAL NUMBER CUSTOMER SHEET NUMBER					
mm		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL ± 3.0 °									
4 PLACES ± 0.2				molex ZERO-HACHI 0.8 HDR ASSEMBLY SINGLE ROW RIGHT ANGLE GOLD PLATING PRODUCT CUSTOMER DRAWING					
3 PLACES ± 0.2									
2 PLACES ± 0.2									
1 PLACE ± 0.2				DOCUMENT NUMBER					
0 PLACES ± 0.2				DOC TYPE					
				DOC PART					
				REVISION					
				2147210000-SD					
				PSD					
				001					
				A					