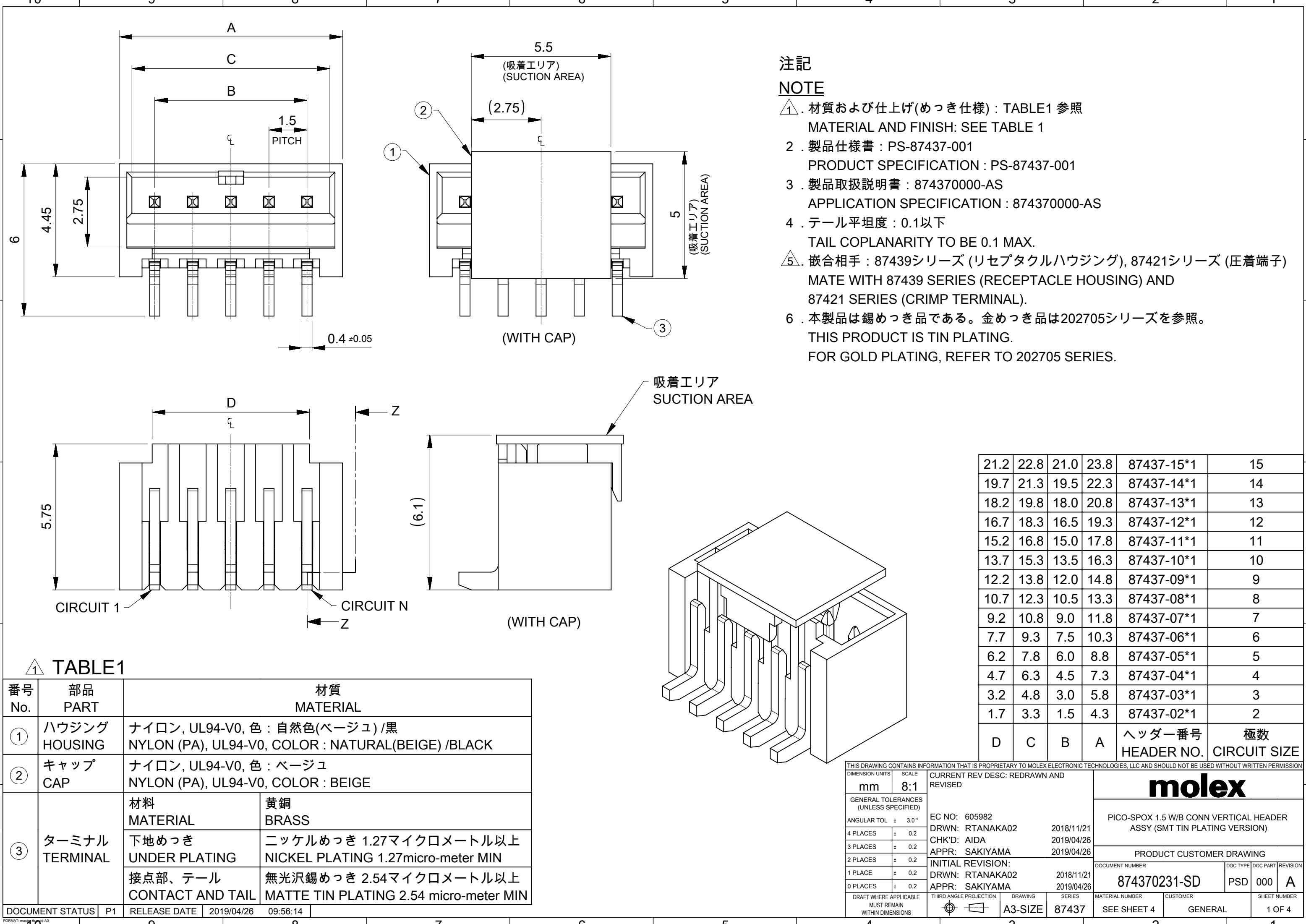




注記

NOTE

- 1. 材質および仕上げ(めっき仕様) : TABLE1 参照
MATERIAL AND FINISH: SEE TABLE 1
- 2. 製品仕様書 : PS-87437-001
PRODUCT SPECIFICATION : PS-87437-001
- 3. 製品取扱説明書 : 874370000-AS
APPLICATION SPECIFICATION : 874370000-AS
- 4. テール平坦度 : 0.1以下
TAIL COPLANARITY TO BE 0.1 MAX.
- 5. 嵌合相手 : 87439シリーズ (リセプタクルハウジング), 87421シリーズ (圧着端子)
MATE WITH 87439 SERIES (RECEPTACLE HOUSING) AND 87421 SERIES (CRIMP TERMINAL).
- 6. 本製品は錫めっき品である。金めっき品は202705シリーズを参照。
THIS PRODUCT IS TIN PLATING.
FOR GOLD PLATING, REFER TO 202705 SERIES.

TABLE1

番号 No.	部品 PART	材質 MATERIAL	
①	ハウジング HOUSING	ナイロン, UL94-V0, 色 : 自然色(ベージュ) /黒 NYLON (PA), UL94-V0, COLOR : NATURAL(BEIGE) /BLACK	
②	キャップ CAP	ナイロン, UL94-V0, 色 : ベージュ NYLON (PA), UL94-V0, COLOR : BEIGE	
③	ターミナル TERMINAL	材料 MATERIAL	黄銅 BRASS
		下地めっき UNDER PLATING	ニッケルめっき 1.27マイクロメートル以上 NICKEL PLATING 1.27micro-meter MIN
		接点部、テール CONTACT AND TAIL	無光沢錫めっき 2.54マイクロメートル以上 MATTE TIN PLATING 2.54 micro-meter MIN

21.2	22.8	21.0	23.8	87437-15*1	15
19.7	21.3	19.5	22.3	87437-14*1	14
18.2	19.8	18.0	20.8	87437-13*1	13
16.7	18.3	16.5	19.3	87437-12*1	12
15.2	16.8	15.0	17.8	87437-11*1	11
13.7	15.3	13.5	16.3	87437-10*1	10
12.2	13.8	12.0	14.8	87437-09*1	9
10.7	12.3	10.5	13.3	87437-08*1	8
9.2	10.8	9.0	11.8	87437-07*1	7
7.7	9.3	7.5	10.3	87437-06*1	6
6.2	7.8	6.0	8.8	87437-05*1	5
4.7	6.3	4.5	7.3	87437-04*1	4
3.2	4.8	3.0	5.8	87437-03*1	3
1.7	3.3	1.5	4.3	87437-02*1	2
D	C	B	A	ヘッダー番号 HEADER NO.	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
mm	8:1
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: REDRAWN AND REVISED

EC NO: 605982
DRWN: RTANAKA02 2018/11/21
CHK'D: AIDA 2019/04/26
APPR: SAKIYAMA 2019/04/26

INITIAL REVISION:
DRWN: RTANAKA02 2018/11/21
APPR: SAKIYAMA 2019/04/26

THIRD ANGLE PROJECTION
DRAWING
A3-SIZE

SERIES
87437

moLEX

PICO-SPOX 1.5 W/B CONN VERTICAL HEADER ASSY (SMT TIN PLATING VERSION)

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

874370231-SD

DOC TYPE

PSD

DOC PART

000

REVISION

A

MATERIAL NUMBER

CUSTOMER

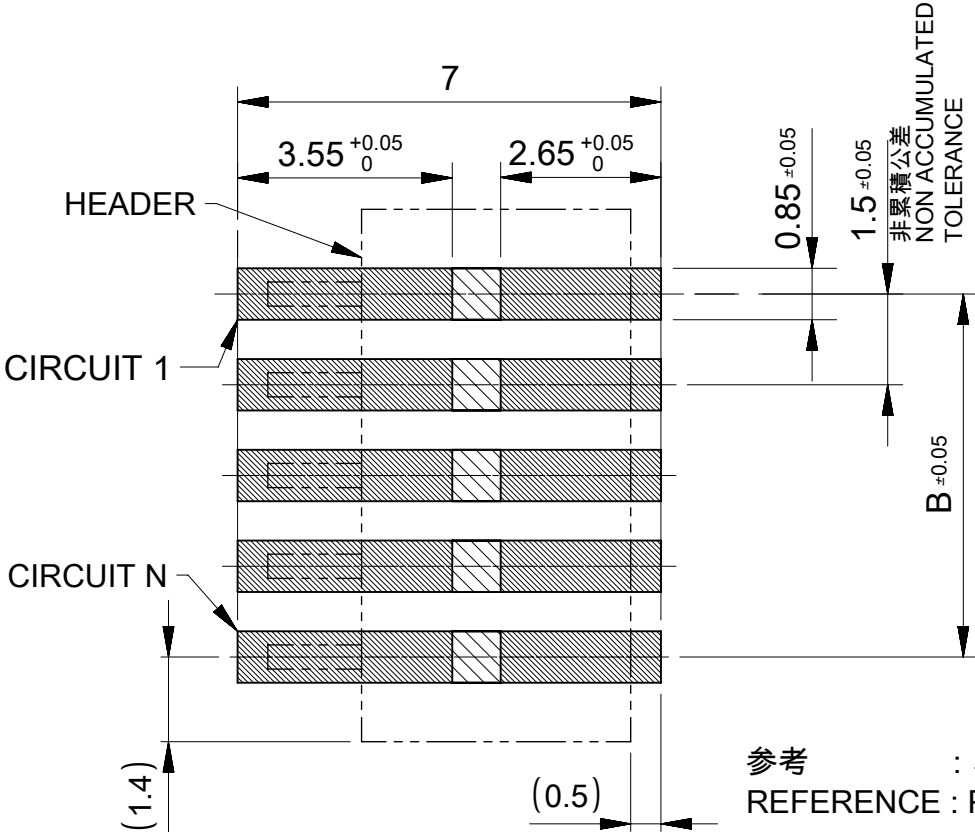
SHEET NUMBER

SEE SHEET 4

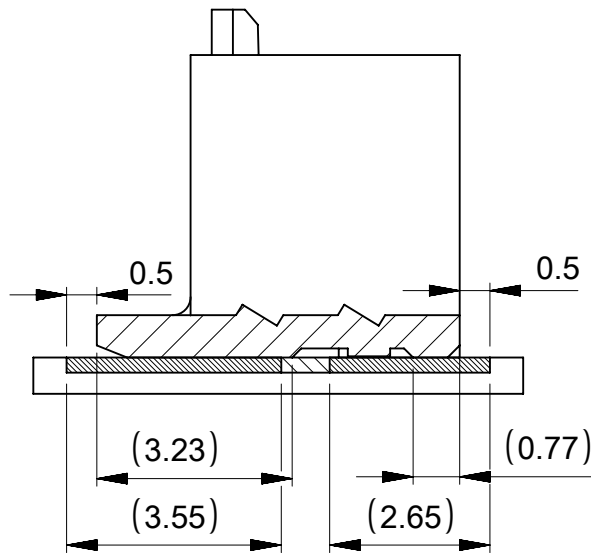
GENERAL

1 OF 4

推奨基板レイアウト
RECOMMENDED PCB LAYOUT



参考 : 基板厚 1.0mm
REFERENCE : PCB THICKNESS 1.0mm
メタルマスク厚 0.12mm
STENCIL THICKNESS 0.12mm
マスク開口率100%
APERTURE RATIO 100%.

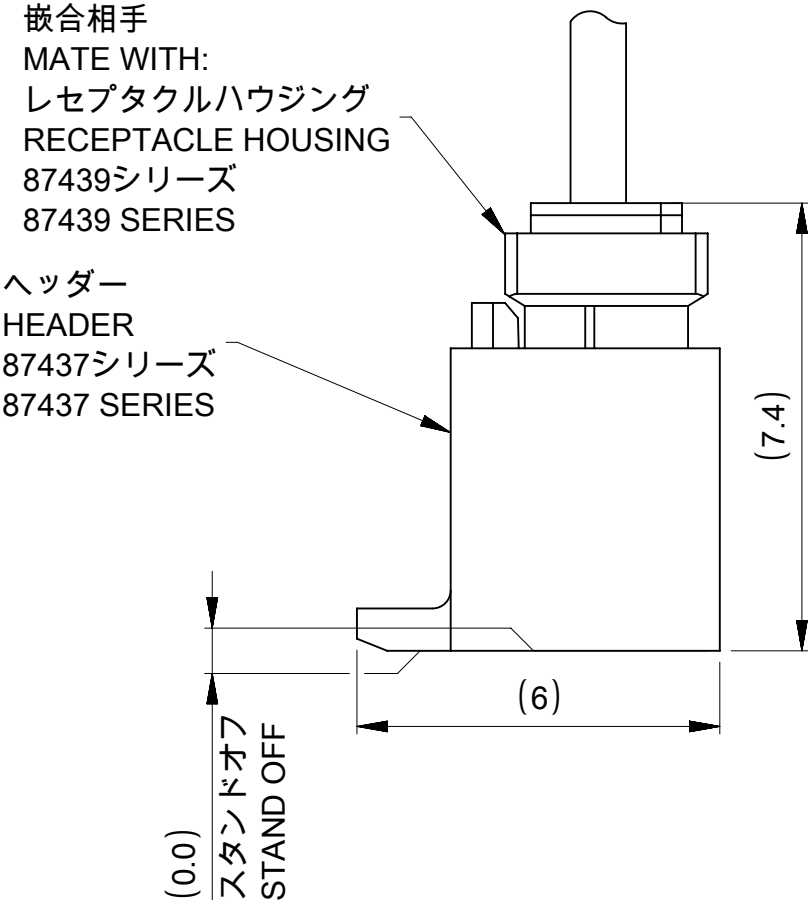


SECTION Z-Z

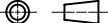
半田エリア (パターンエリア)
SOLDER AREA (COPPER ZONE)

半田禁止エリア (パターン禁止エリア)
SOLDER KEEP OUT AREA (NO-COPPER ZONE)
半田上がりを防ぐため。
TO PREVENT SOLDER LIFTING.
レジストによって分離する場合は、パターン面よりも盛り上がらないこと。
IF APPLY RESIST IN THIS AREA, LEVEL AS PATTERN AREA FACE.

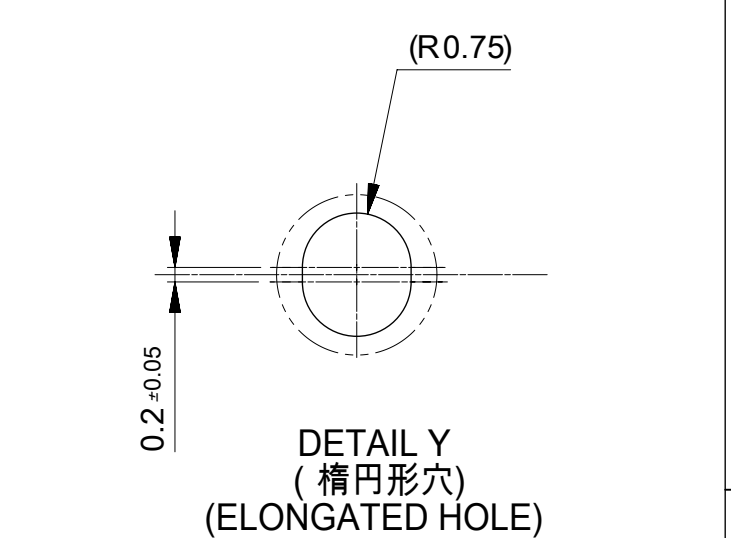
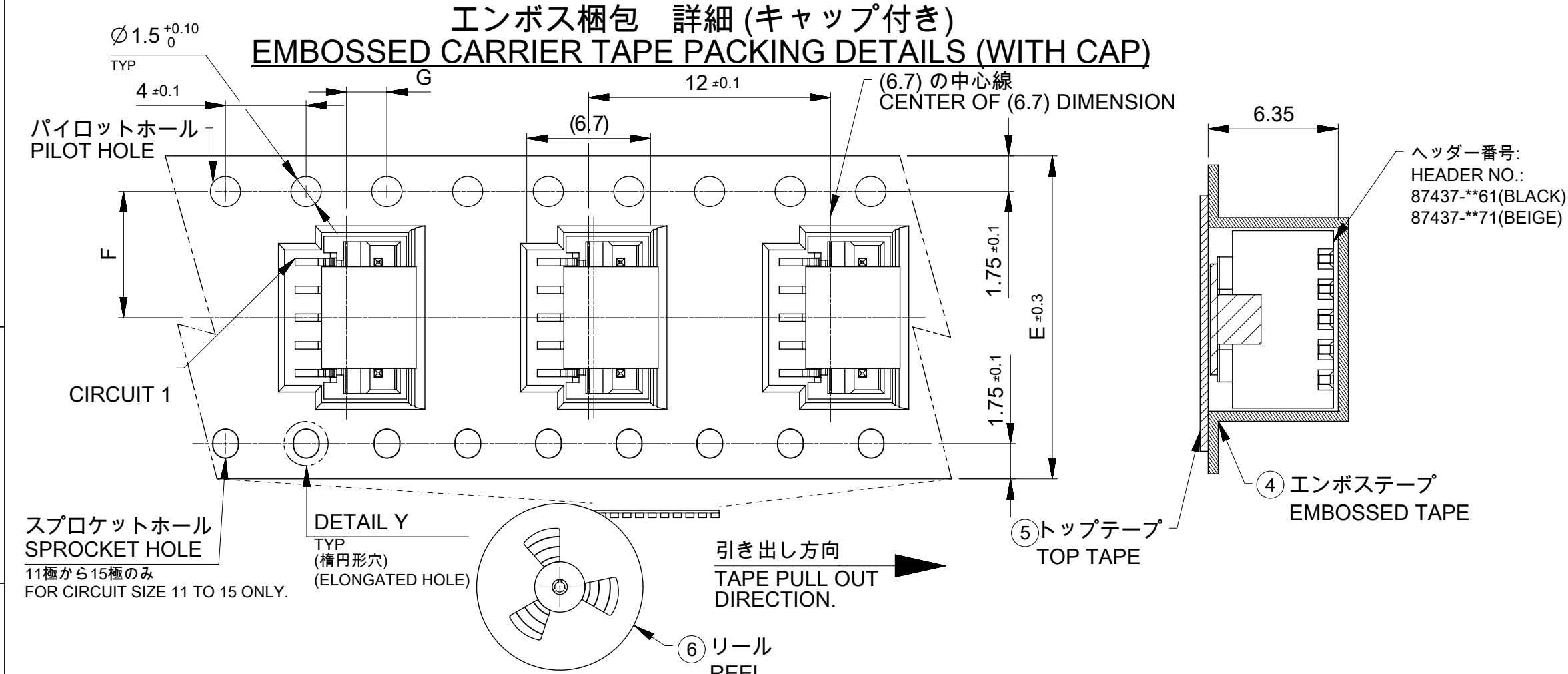
5 嵌合図
MATED CONNECTORS



スタンドオフ
STAND OFF
(0.0)

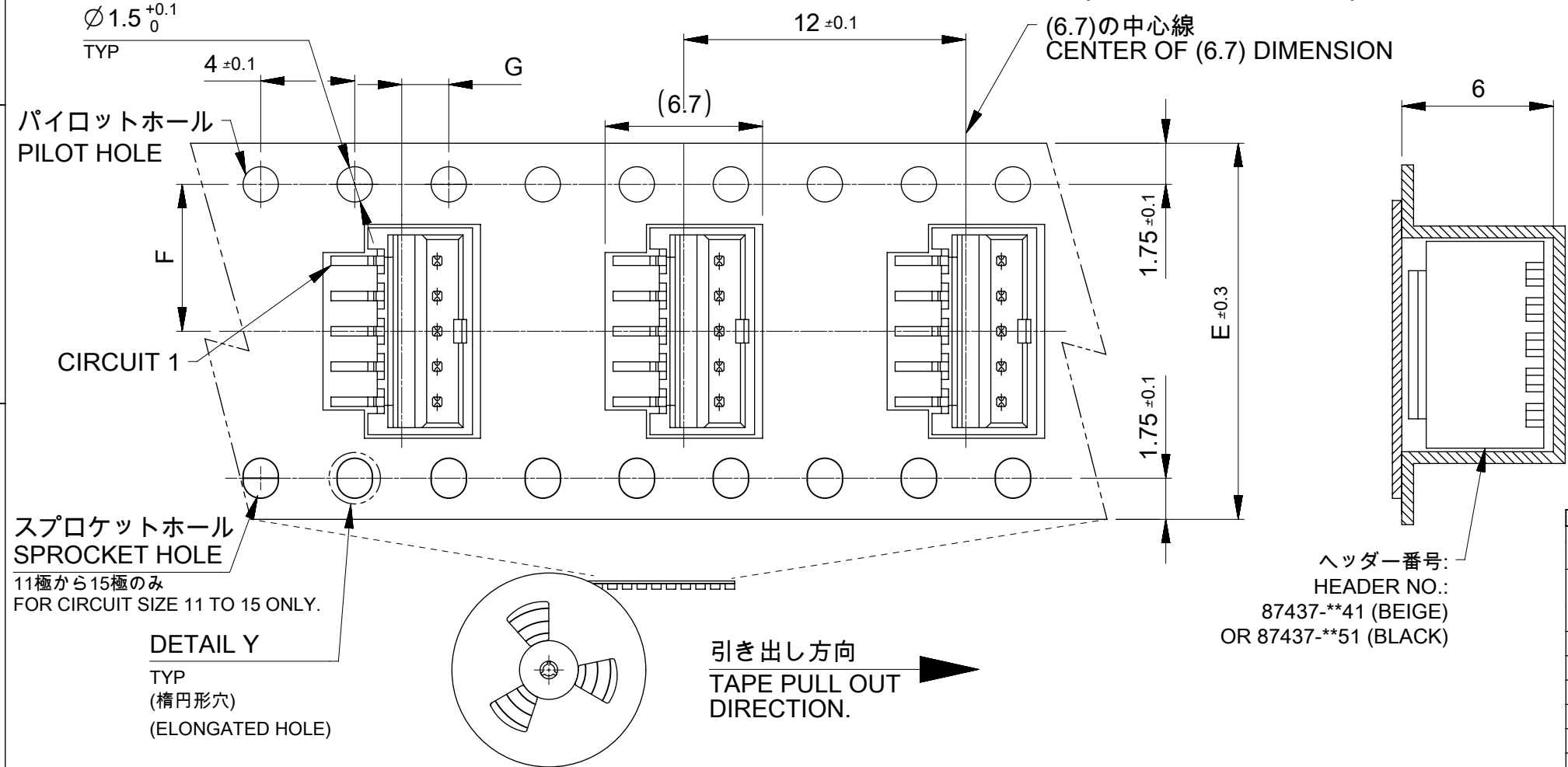
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE		CURRENT REV DESC: REDRAWN AND REVISED				molex	
mm		8:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 605982 DRWN: RTANAKA02 2018/11/21 CHK'D: AIDA 2019/04/26 APPR: SAKIYAMA 2019/04/26				PICO-SPOX 1.5 W/B CONN VERTICAL HEADER ASSY (SMT TIN PLATING VERSION)	
ANGULAR TOL ± 3.0 °									
4 PLACES ± 0.2									
3 PLACES ± 0.2									
2 PLACES ± 0.2									
1 PLACE ± 0.2				INITIAL REVISION:				PRODUCT CUSTOMER DRAWING	
0 PLACES ± 0.2				DRWN: RTANAKA02 2018/11/21				DOCUMENT NUMBER	
				APPR: SAKIYAMA 2019/04/26				874370231-SD	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		MATERIAL NUMBER	
						A3-SIZE		CUSTOMER	
				87437		SEE SHEET 4			
						GENERAL		SHEET NUMBER	
								2 OF 4	

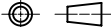
エンボス梱包 詳細 (キャップ付き)
EMBOSSSED CARRIER TAPE PACKING DETAILS (WITH CAP)



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 POLYSTYRENE (PS)
⑤	トップテープ TOP TAPE	ポリエチレン POLYETHYLENE (PE)
⑥	リール REEL	ポリスチレン POLYSTYRENE (PS)

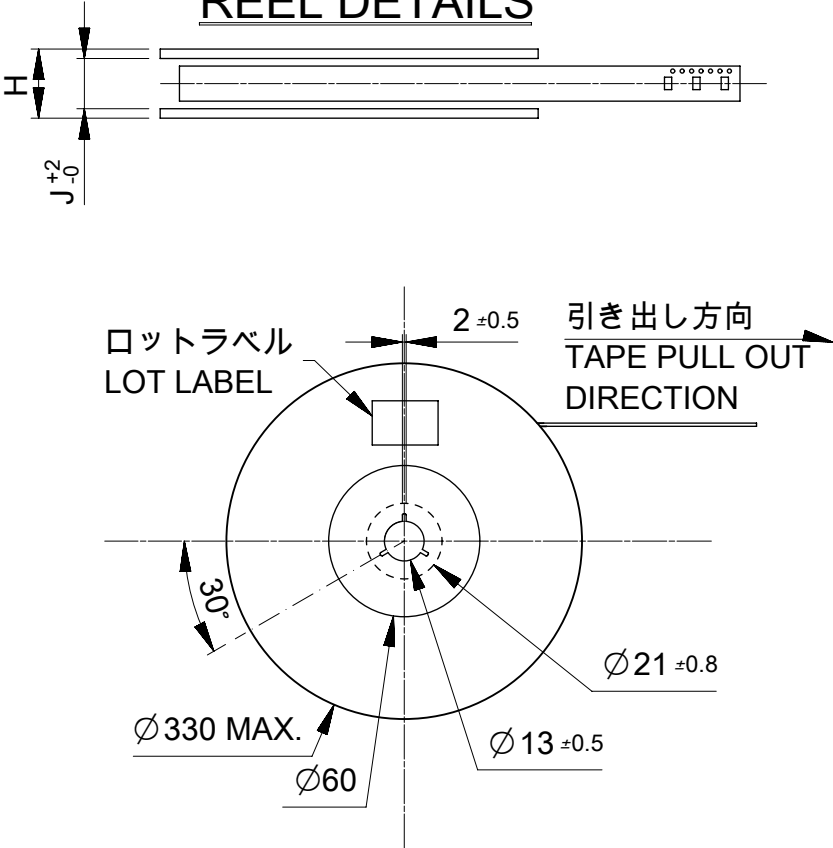
エンボス梱包 詳細 (キャップなし)
EMBOSSSED CARRIER TAPE PACKING DETAILS (WITHOUT CAP)



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: REDRAWN AND REVISED				molex				
mm		1:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)			EC NO: 605982 DRWN: RTANAKA02 2018/11/21 CHK'D: AIDA 2019/04/26 APPR: SAKIYAMA 2019/04/26				PICO-SPOX 1.5 W/B CONN VERTICAL HEADER ASSY (SMT TIN PLATING VERSION)				
ANGULAR TOL ± 3.0 °											
4 PLACES ± 0.2											
3 PLACES ± 0.2											
2 PLACES ± 0.2											
1 PLACE ± 0.2		INITIAL REVISION: DRWN: RTANAKA02 2018/11/21 APPR: SAKIYAMA 2019/04/26		DOCUMENT NUMBER 874370231-SD		DOC TYPE PSD	DOC PART 000	REVISION A			
0 PLACES ± 0.2											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION 		DRAWING A3-SIZE	SERIES 87437	MATERIAL NUMBER SEE SHEET 4		CUSTOMER GENERAL	SHEET NUMBER 3 OF 4	

DOCUMENT STATUS	P1	RELEASE DATE	2019/04/26	09:56:14
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リール 詳細
REEL DETAILS



発注番号
ORDER NUMBER
87437- * * * 3

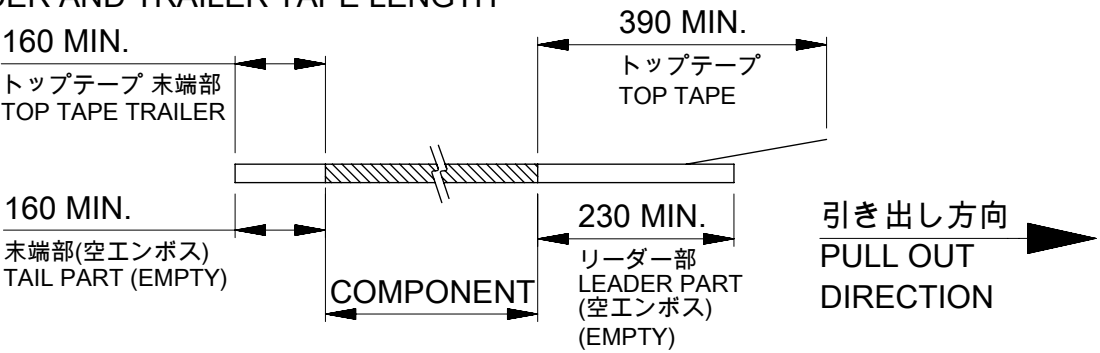
極数
CIRCUIT SIZE
02 から 15
02 TO 15

ハウジングカラー, キャップオプション
HOUSING COLOR AND CAP OPTION

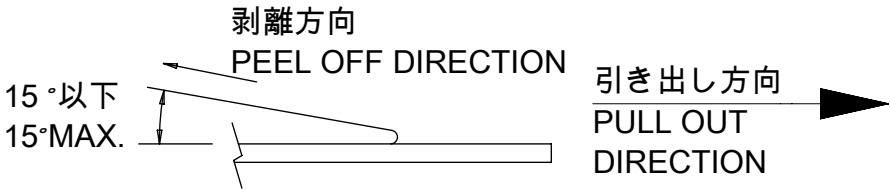
4: ハウジングカラー : ベージュ, キャップなし BEIGE COLOR HOUSING WITHOUT CAP
5: ハウジングカラー : 黒, キャップなし BLACK COLOR HOUSING WITHOUT CAP
6: ハウジングカラー : 黒, キャップ付き BLACK COLOR HOUSING WITH CAP
7: ハウジングカラー : ベージュ, キャップ付き BEIGE COLOR HOUSING WITH CAP

注記
NOTE

7 . リーダー部および末端部テープ長さ
LEADER AND TRAILER TAPE LENGTH



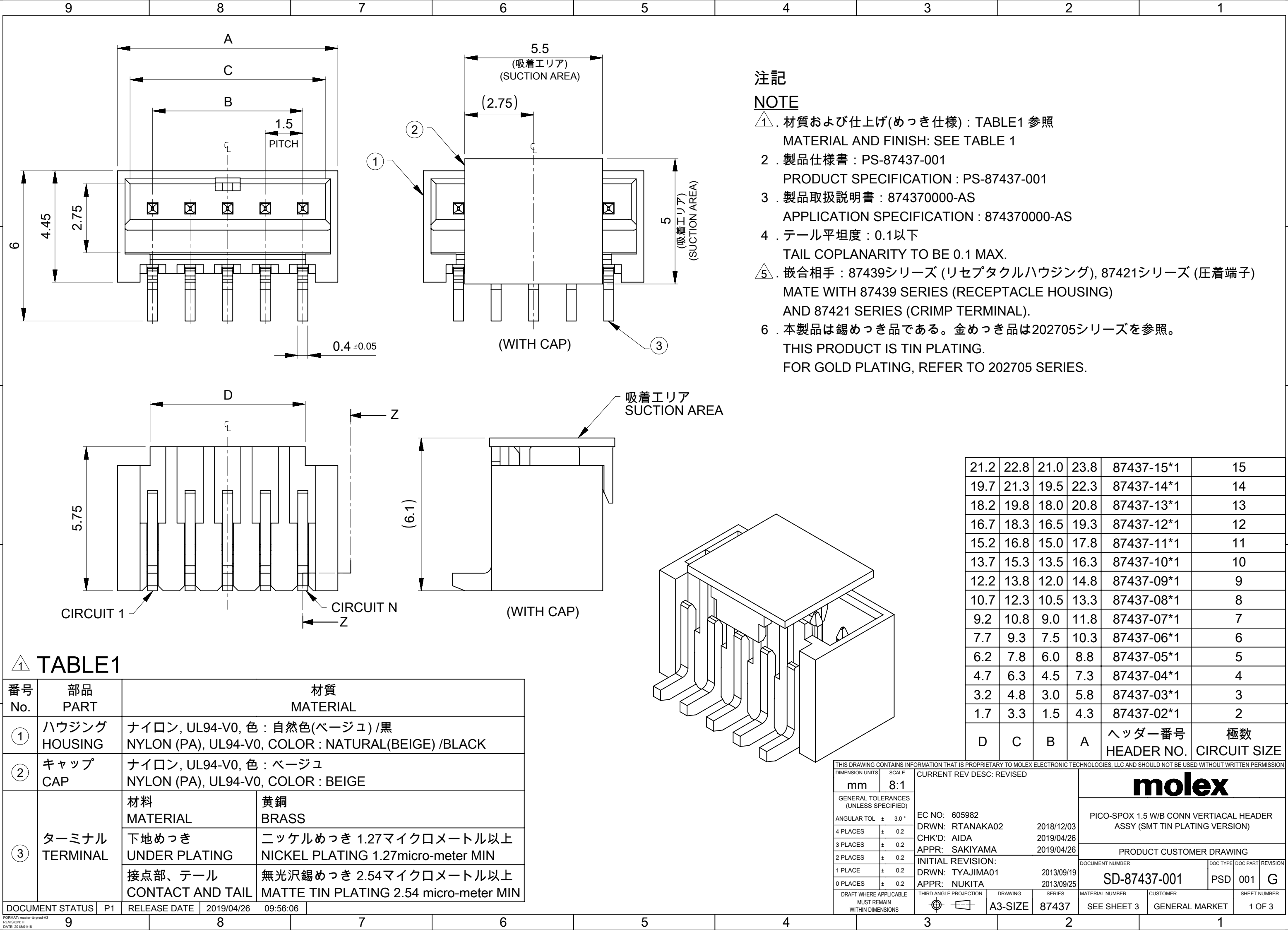
8 . トップテープの剥離強度 : IEC60286-3に準拠。
PEELING OFF FORCE OF THE TOP TAPE: DEFINED IEC60286-3.
(剥離方向は下図を参照)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



- 9 . EIA-481に準拠する。
PACKAGING STANDARD IS AS PER EIA-481.
- 10 . 梱包数量
TAPE & REEL QUANTITY
キャップ付き : 900個/リール
WITH CAP : 900PCS/REEL
キャップなし : 1000個/リール
WITHOUT CAP : 1000PCS/REEL
- 11 . 本製品は乾燥剤入りハイバリア梱包での納品となる。
THIS PRODUCT IS DELIVERED IN A HIGH BARRIER PACKAGE WITH DESICCANT.
- 12 . 梱包仕様書 : SPK-87437-001
PACKING INFORMATION : SPK-87437-001

44.4	50.4	15
32.4	38.4	14
		13
		12
		11
24.4	30.4	10
		9
		8
		7
16.4	22.4	6
		5
		4
		3
		2
J	H MAX	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: REDRAWN AND REVISED				molex									
mm		1:1															
GENERAL TOLERANCES (UNLESS SPECIFIED)				PICO-SPOX 1.5 W/B CONN VERTICAL HEADER ASSY (SMT TIN PLATING VERSION)													
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				THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
						A3-SIZE		87437		874370231-SD		PSD		000		A	
				SEE SHEET 4		GENERAL		SHEET NUMBER									
														4 OF 4			



注記

NOTE

- ① 材質および仕上げ(めっき仕様) : TABLE 1 参照
MATERIAL AND FINISH: SEE TABLE 1
- ② 製品仕様書 : PS-87437-001
PRODUCT SPECIFICATION : PS-87437-001
- ③ 製品取扱説明書 : 874370000-AS
APPLICATION SPECIFICATION : 874370000-AS
- ④ テール平坦度 : 0.1以下
TAIL COPLANARITY TO BE 0.1 MAX.
- ⑤ 嵌合相手 : 87439シリーズ (リセプタクルハウジング), 87421シリーズ (圧着端子)
MATE WITH 87439 SERIES (RECEPTACLE HOUSING) AND 87421 SERIES (CRIMP TERMINAL).
- ⑥ 本製品は錫めっき品である。金めっき品は202705シリーズを参照。
THIS PRODUCT IS TIN PLATING.
FOR GOLD PLATING, REFER TO 202705 SERIES.

① TABLE 1

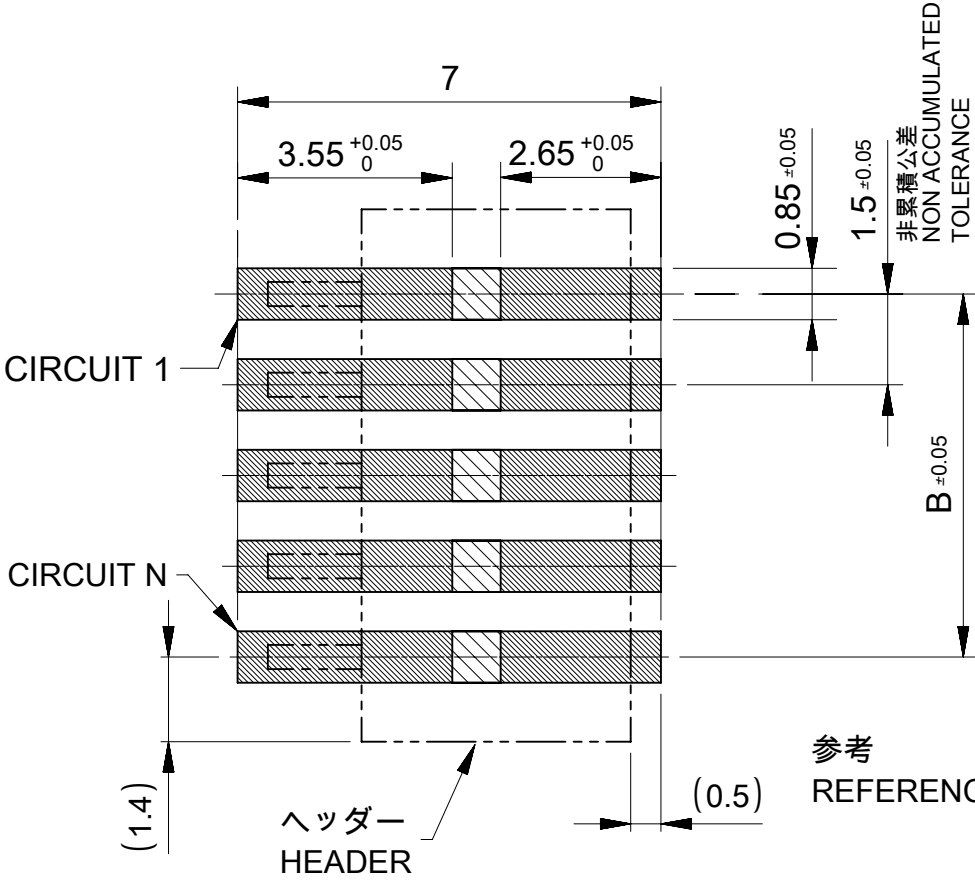
番号 No.	部品 PART	材質 MATERIAL	
①	ハウジング HOUSING	ナイロン, UL94-V0, 色 : 自然色(ベージュ) /黒 NYLON (PA), UL94-V0, COLOR : NATURAL(BEIGE) /BLACK	
②	キャップ CAP	ナイロン, UL94-V0, 色 : ベージュ NYLON (PA), UL94-V0, COLOR : BEIGE	
③	ターミナル TERMINAL	材料 MATERIAL	黄銅 BRASS
		下地めっき UNDER PLATING	ニッケルめっき 1.27マイクロメートル以上 NICKEL PLATING 1.27micro-meter MIN
		接点部、テール CONTACT AND TAIL	無光沢錫めっき 2.54マイクロメートル以上 MATTE TIN PLATING 2.54 micro-meter MIN

21.2	22.8	21.0	23.8	87437-15*1	15
19.7	21.3	19.5	22.3	87437-14*1	14
18.2	19.8	18.0	20.8	87437-13*1	13
16.7	18.3	16.5	19.3	87437-12*1	12
15.2	16.8	15.0	17.8	87437-11*1	11
13.7	15.3	13.5	16.3	87437-10*1	10
12.2	13.8	12.0	14.8	87437-09*1	9
10.7	12.3	10.5	13.3	87437-08*1	8
9.2	10.8	9.0	11.8	87437-07*1	7
7.7	9.3	7.5	10.3	87437-06*1	6
6.2	7.8	6.0	8.8	87437-05*1	5
4.7	6.3	4.5	7.3	87437-04*1	4
3.2	4.8	3.0	5.8	87437-03*1	3
1.7	3.3	1.5	4.3	87437-02*1	2
D	C	B	A	ヘッダー番号 HEADER NO.	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: REVISED			molex					
mm		8:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)				PICO-SPOX 1.5 W/B CONN VERTICAL HEADER ASSY (SMT TIN PLATING VERSION)								
ANGULAR TOL ± 3.0°												
4 PLACES		± 0.2		EC NO: 605982		DRWN: RTANAKAO2 2018/12/03 CHK'D: AIDA 2019/04/26 APPR: SAKIYAMA 2019/04/26						
3 PLACES		± 0.2		INITIAL REVISION:								
2 PLACES		± 0.2		DRWN: TYAJIMA01 2013/09/19								
1 PLACE		± 0.2		APPR: NUKITA 2013/09/25		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION		
0 PLACES		± 0.2				SD-87437-001		PSD	001	G		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
						A3-SIZE		87437		SEE SHEET 3		GENERAL MARKET

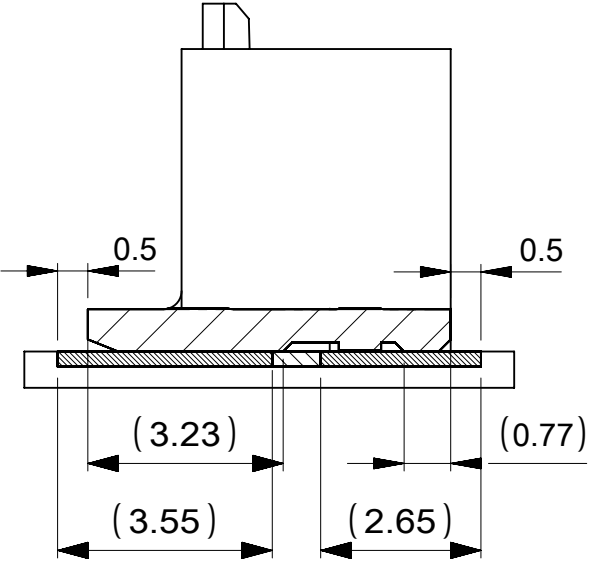
推奨基板レイアウト
RECOMMENDED PCB LAYOUT

△ 5 嵌合図
MATED CONNECTORS

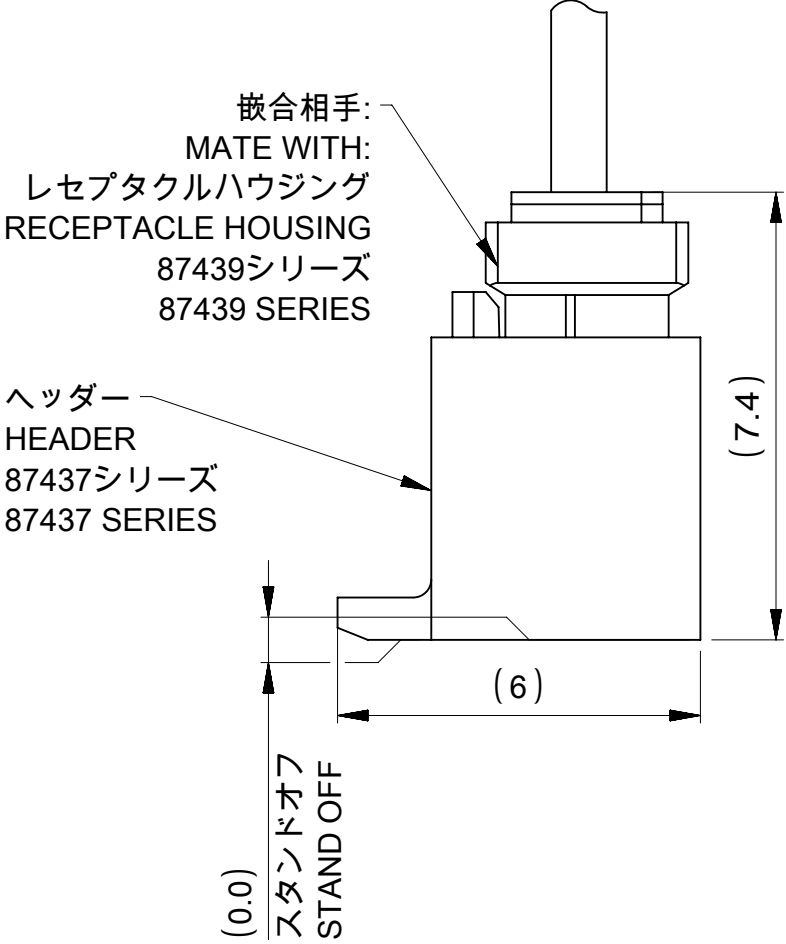


参考 : 基板厚 1.0mm
REFERENCE : PCB THICKNESS 1.0mm
メタルマスク厚 0.12mm
STENCIL THICKNESS 0.12mm
マスク開口率100%
APERTURE RATIO 100%.

-  : 半田エリア (パターンエリア)
SOLDER AREA (COPPER ZONE)
-  : 半田禁止エリア (パターン禁止エリア)
SOLDER KEEP OUT AREA (NO-COPPER ZONE)
半田上がりを防ぐため。
TO PREVENT SOLDER LIFTING.
レジストによって分離する場合は、パターン面よりも盛り上がらないこと。
IF APPLY RESIST IN THIS AREA, LEVEL AS PATTERN AREA FACE.



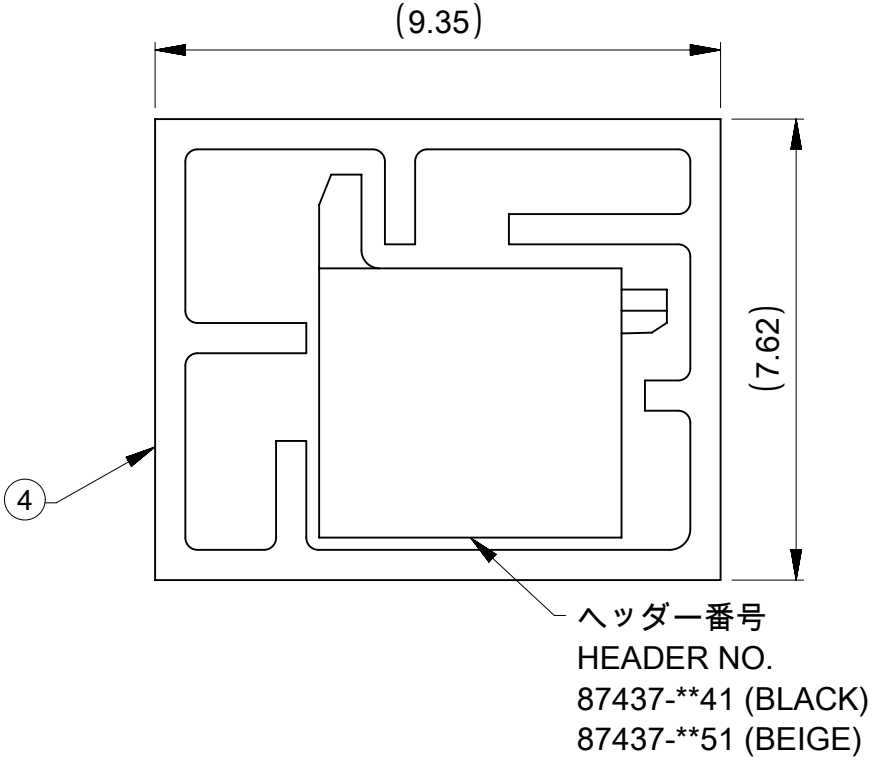
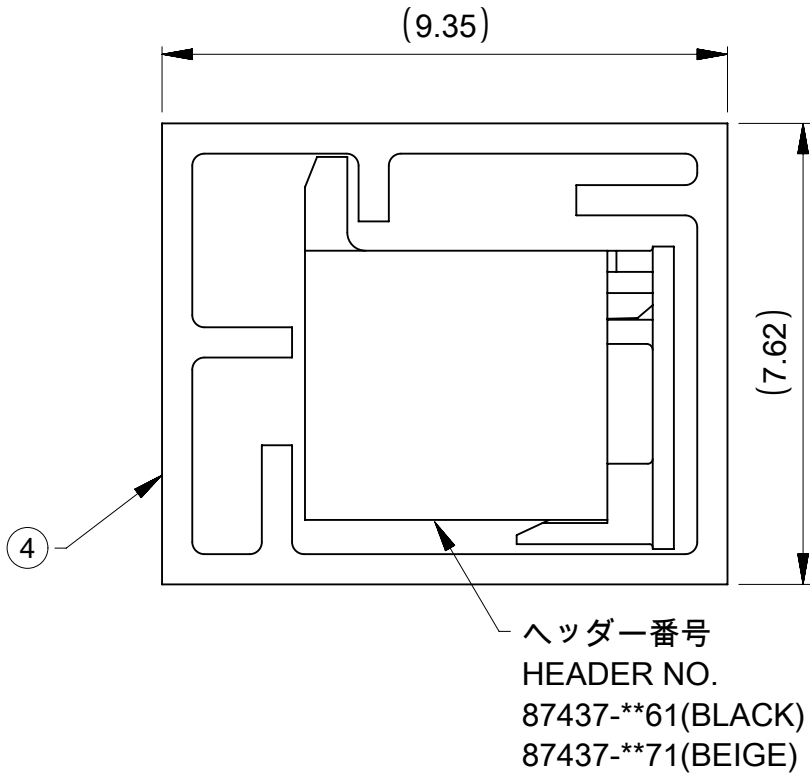
SECTION Z-Z



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: REVISED				molex									
mm		8:1															
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 605982 DRWN: RTANAKA02 2018/12/03 CHK'D: AIDA 2019/04/26 APPR: SAKIYAMA 2019/04/26				PICO-SPOX 1.5 W/B CONN VERTIACAL HEADER ASSY (SMT TIN PLATING VERSION)									
ANGULAR TOL ± 3.0 °																	
4 PLACES		± 0.2															
3 PLACES		± 0.2															
2 PLACES		± 0.2															
1 PLACE		± 0.2		INITIAL REVISION: DRWN: TYAJIMA01 2013/09/19 APPR: NUKITA 2013/09/25				PRODUCT CUSTOMER DRAWING									
0 PLACES		± 0.2															
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
						A3-SIZE		87437		SD-87437-001		PSD		001		G	
										MATERIAL NUMBER		CUSTOMER				SHEET NUMBER	
										SEE SHEET 3		GENERAL MARKET				2 OF 3	

チューブ梱包 詳細 (キャップ付き)
TUBE PACKING DETAIL (WITH CAP)

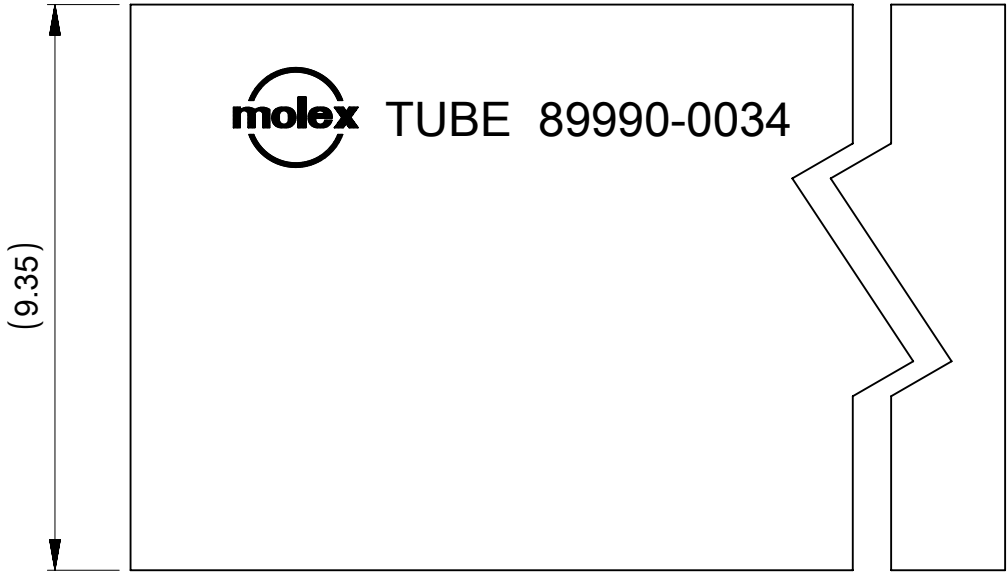
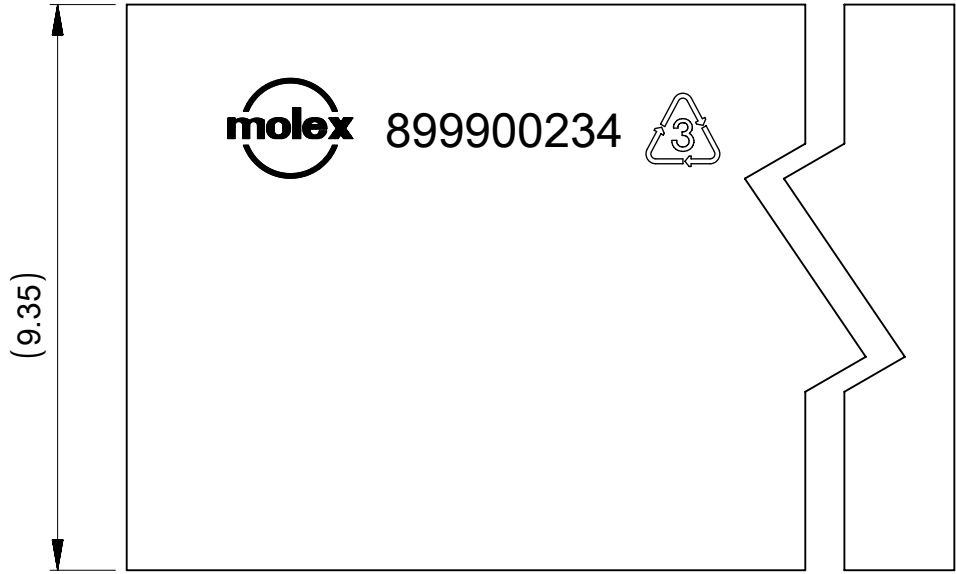
チューブ梱包 詳細 (キャップなし)
TUBE PACKING DETAIL (WITHOUT CAP)



発注番号
ORDER NUMBER
87437- * * * 2

極数
CIRCUIT SIZE
02 から 15
02 TO 15

ハウジングカラー, キャップオプション HOUSING COLOR AND CAP OPTION			
4:	ハウジングカラー :	ページュ, キャップなし	BEIGE COLOR HOUSING WITHOUT CAP
5:	ハウジングカラー :	黒, キャップなし	BLACK COLOR HOUSING WITHOUT CAP
6:	ハウジングカラー :	黒, キャップ付き	BLACK COLOR HOUSING WITH CAP
7:	ハウジングカラー :	ページュ, キャップ付き	BEIGE COLOR HOUSING WITH CAP



注記
NOTE

7. 本製品は乾燥剤入りハイバリア梱包での納品となる。
THIS PRODUCTS IS DELIVERED IN A HIGH BARRIER PACKAGE
WITH DESICCANT.

番号 NO.	部品 PART	材質 MATERIAL
④	チューブ TUBE	ポリ塩化ビニル POLYVINYL CHLORIDE (PVC)
DOCUMENT STATUS		
P1	RELEASE DATE	2019/04/26 09:56:06

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: REVISED				molex									
mm		8:1															
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 605982 DRWN: RTANAKA02 2018/12/03 CHK'D: AIDA 2019/04/26 APPR: SAKIYAMA 2019/04/26 INITIAL REVISION: DRWN: TYAJIMA01 2013/09/19 APPR: NUKITA 2013/09/25													
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		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
				A3-SIZE		87437				SD-87437-001		PSD		001		G	
										MATERIAL NUMBER		CUSTOMER				SHEET NUMBER	
										SEE SHEET 3		GENERAL MARKET				3 OF 3	

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