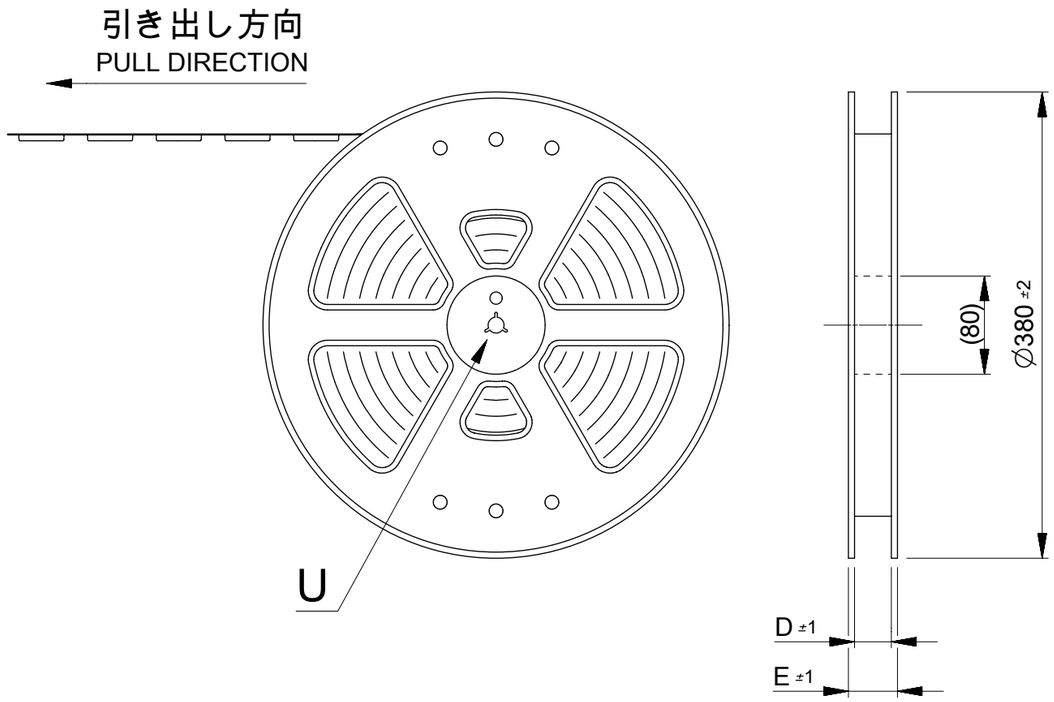
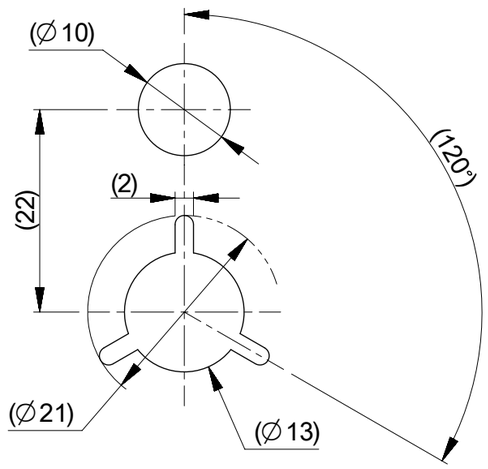


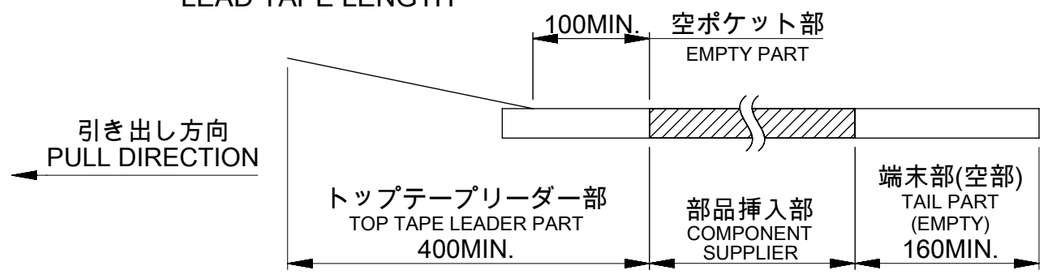


DETAIL U

NOTES

1. 梱包数量： 3000個 / リール
   NUMBER OF CONNECTORS : 3000 PCS/REEL.

2. リードテープ長さ
   LEAD TAPE LENGTH



3. カバーテープの剥離強度については、IEC60286-3に準拠。
   COVER TAPE PEEL FORCE IS DEFINED BY IEC 60286-3.

4. 製品詳細寸法については、図面 2005281001-SD を参照下さい。
   DIMENTIONS OF PRODUCT, REFER TO 2005281001-SD.

5. 材料　MATERIAL
   キャリアテープ : ポリスチレン
   トップテープ　 : ポリエチレンテレフタレート、ポリエチレン
   リール　　　　 : ポリスチレン < リサイクル材を含む >
   CARRIER TAPE : POLYSTYRENE
   TOP TAPE : POLYETHYLENE TEREHTHALATE, POLYETHYLENE
   REEL : POLYSTYRENE < RECYCLE MATERIAL CONTAINED >

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
mm	2:1

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:

EC NO: 605694
DRWN: JASANUMA 2018/10/10
CHK'D: TRSUZUKI 2018/10/11
APPR: RTAKEUCHI 2018/10/11

INITIAL REVISION:
DRWN: JASANUMA 2018/10/05
APPR: RTAKEUCHI 2018/10/10

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 200528

molex

1.0 FPC ZIF 2 CONT EMBT PKG

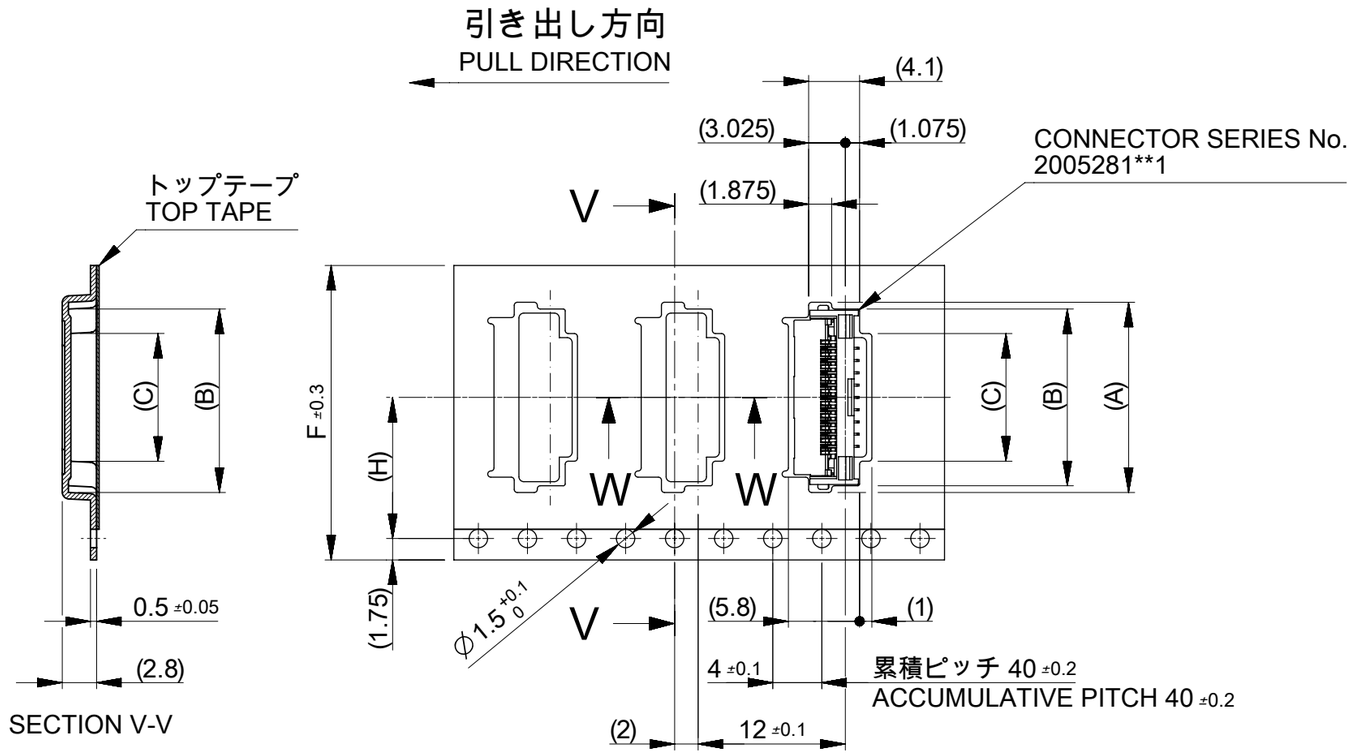
PRODUCT CUSTOMER DRAWING

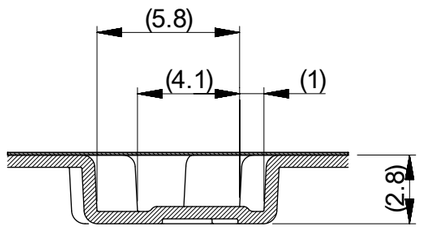
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2005280001-SD	PSD	000	B

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART		1 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2018/10/11 01:27:53

FORMAT: master-tb-prod-A3
REVISION: H
DATE: 2018/01/18





SECTION W-W
SCALE 4:1

11.5	----	24	29.4	25.4	10.4	14.4	15.5	2005280091	9
					9.4	13.4	14.5	2005280081	8
					8.4	12.4	13.5	2005280071	7
					7.4	11.4	12.5	2005280061	6
					6.4	10.4	11.5	2005280051	5
					5.4	9.4	10.5	2005280041	4
H	G	F	E	D	C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER No.	Ckt

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
mm	2:1

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:

EC NO: 605694
DRWN: JASANUMA 2018/10/10
CHK'D: TRSUZUKI 2018/10/11
APPR: RTAKEUCHI 2018/10/11

INITIAL REVISION:
DRWN: JASANUMA 2018/10/05
APPR: RTAKEUCHI 2018/10/10

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 200528

molex

1.0 FPC ZIF 2 CONT EMBT PKG

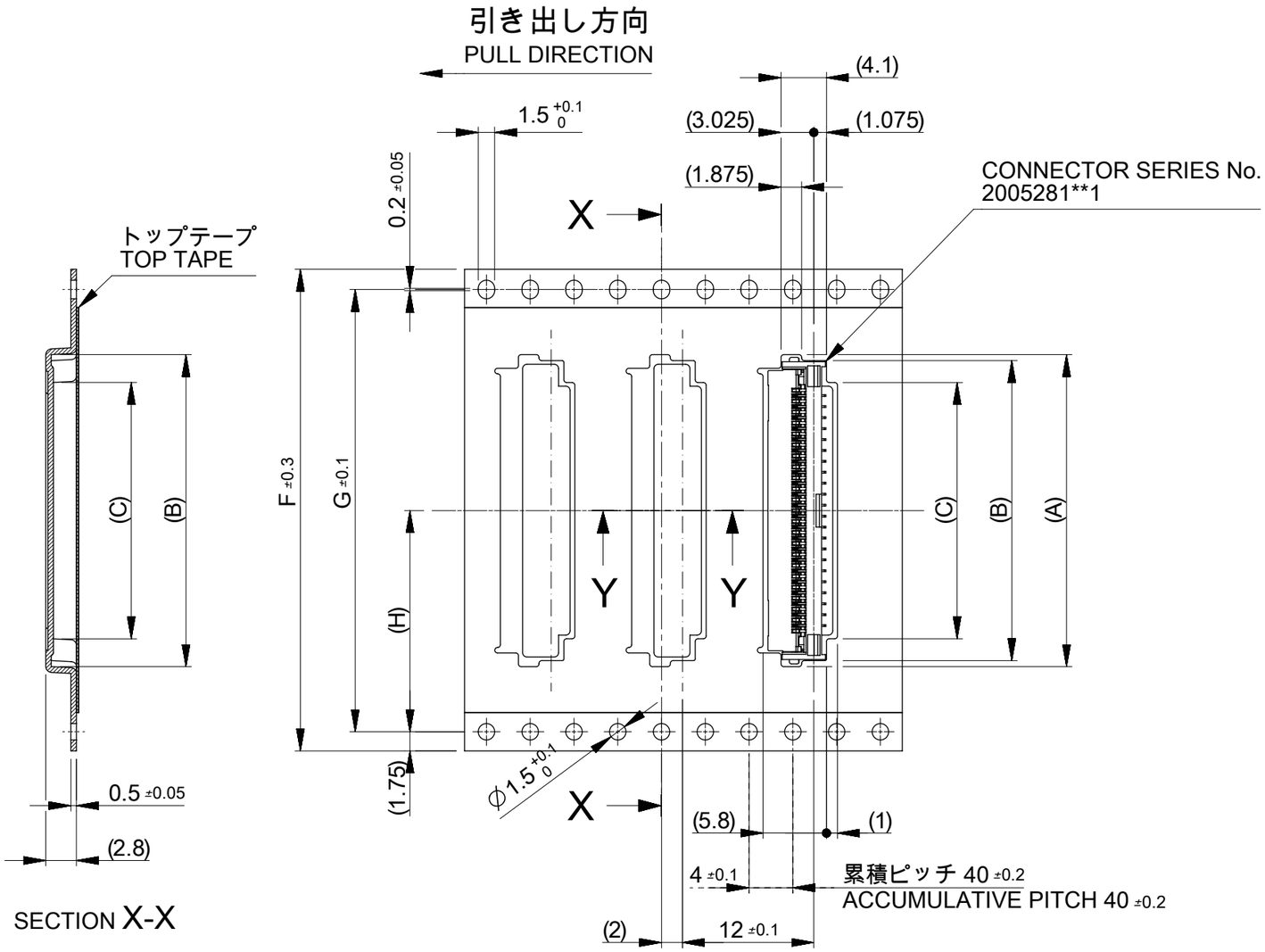
PRODUCT CUSTOMER DRAWING

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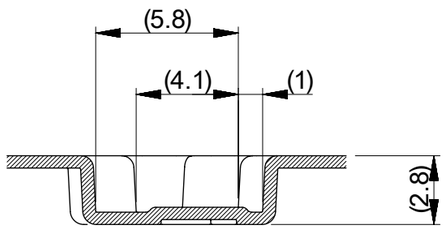
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART		2 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2018/10/11 01:27:53

FORMAT: lb-prod-A3
REVISION: H
DATE: 2018/01/18



SECTION X-X



SECTION Y-Y
SCALE 4:1

H	G	F	E	D	C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER No.	Ckt
26.2	52.4	56	61.4	57.4	31.4	35.4	36.5	2005280301	30
					30.4	34.4	35.5	2005280291	29
					29.4	33.4	34.5	2005280281	28
					28.4	32.4	33.5	2005280271	27
					27.4	31.4	32.5	2005280261	26
					26.4	30.4	31.5	2005280251	25
20.2	40.4	44	49.4	45.4	25.4	29.4	30.5	2005280241	24
					24.4	28.4	29.5	2005280231	23
					23.4	27.4	28.5	2005280221	22
					22.4	26.4	27.5	2005280211	21
					21.4	25.4	26.5	2005280201	20
					20.4	24.4	25.5	2005280191	19
					19.4	23.4	24.5	2005280181	18
					18.4	22.4	23.5	2005280171	17
					17.4	21.4	22.5	2005280161	16
					16.4	20.4	21.5	2005280151	15
14.2	28.4	32	37.4	33.4	15.4	19.4	20.5	2005280141	14
					14.4	18.4	19.5	2005280131	13
					13.4	17.4	18.5	2005280121	12
					12.4	16.4	17.5	2005280111	11
					11.4	15.4	16.5	2005280101	10

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DIMENSION UNITS	SCALE
mm	2:1

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:

EC NO: 605694
DRWN: JASANUMA 2018/10/10
CHK'D: TRSUZUKI 2018/10/11
APPR: RTAKEUCHI 2018/10/11

INITIAL REVISION:
DRWN: JASANUMA 2018/10/05
APPR: RTAKEUCHI 2018/10/10

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 200528

molex

1.0 FPC ZIF 2 CONT EMBT PKG

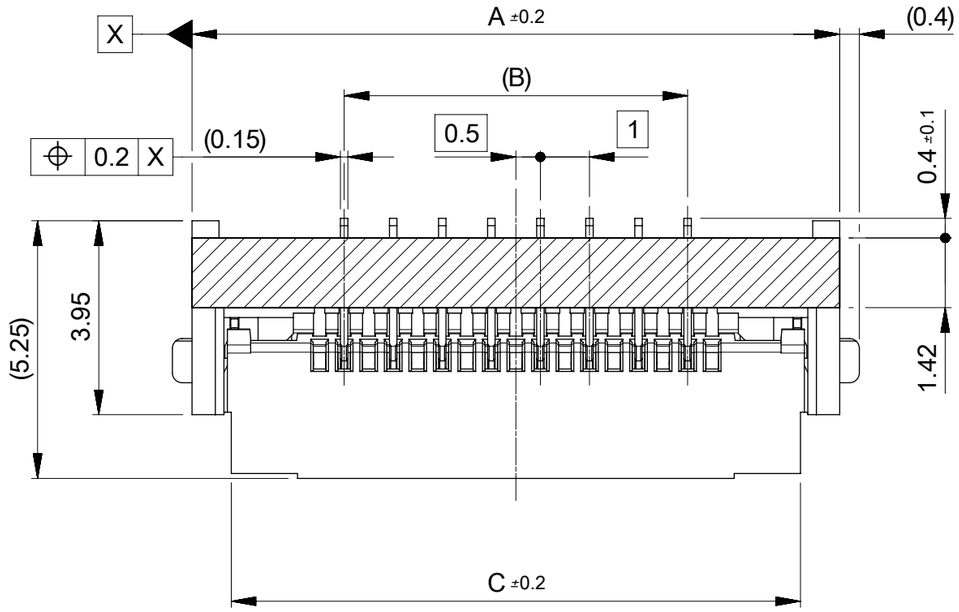
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
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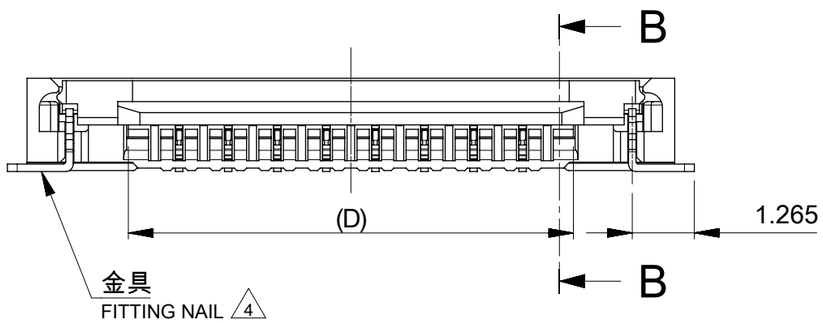
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART		3 OF 3

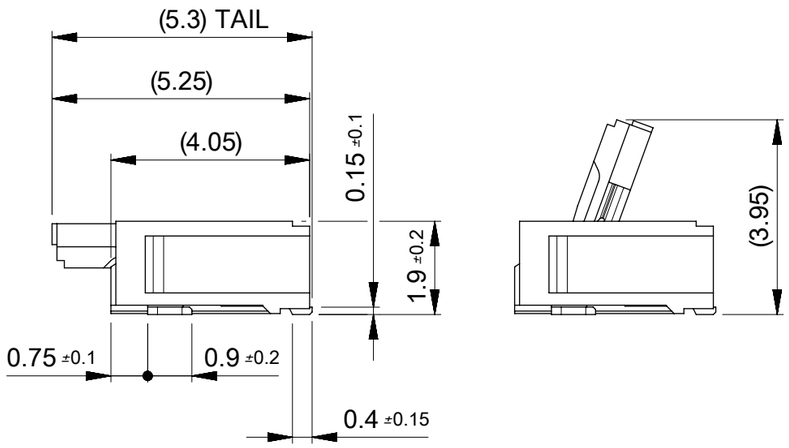
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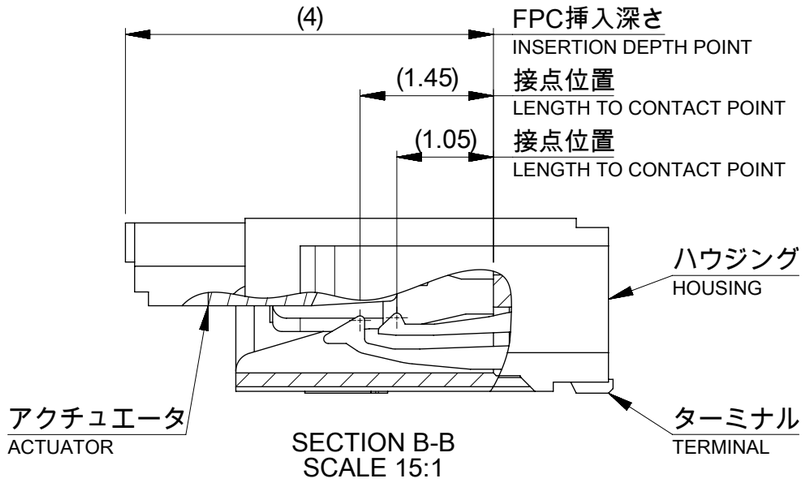
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REVISION: H
DATE: 2018/01/18



: PICK UP AREA







SECTION B-B
SCALE 15:1

10.07	12.6	8	14.2	2005280091	9
9.07	11.6	7	13.2	2005280081	8
8.07	10.6	6	12.2	2005280071	7
7.07	9.6	5	11.2	2005280061	6
6.07	8.6	4	10.2	2005280051	5
5.07	7.6	3	9.2	2005280041	4
D	C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER No.	Ckt

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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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	±	0.25
0 PLACES	±	0.3

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 620381
DRWN: JASANUMA 2019/07/10
CHK'D: YNAITO 2019/08/13
APPR: RTAKEUCHI 2019/08/13

INITIAL REVISION:
DRWN: JASANUMA 2018/10/05
APPR: RTAKEUCHI 2018/10/10

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 200528

molex

1.0 FPC ZIF 2 CONT HSG ASSY

PRODUCT CUSTOMER DRAWING

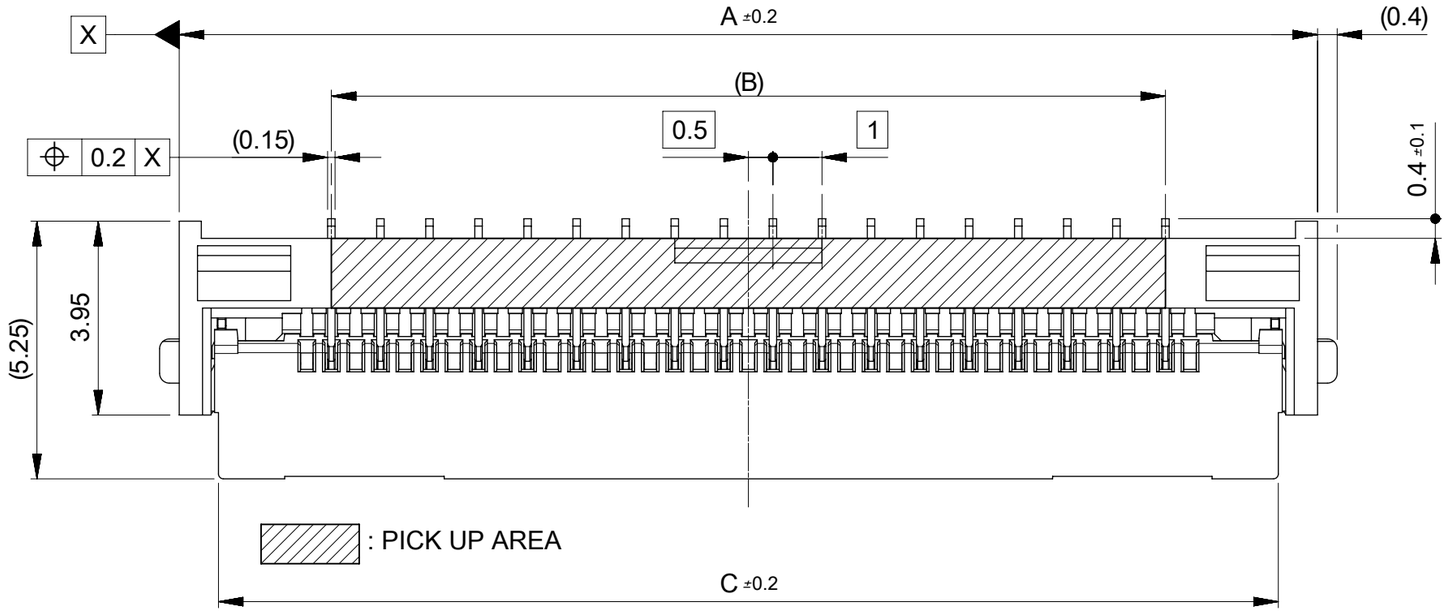
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2005281001-SD	PSD	000	C

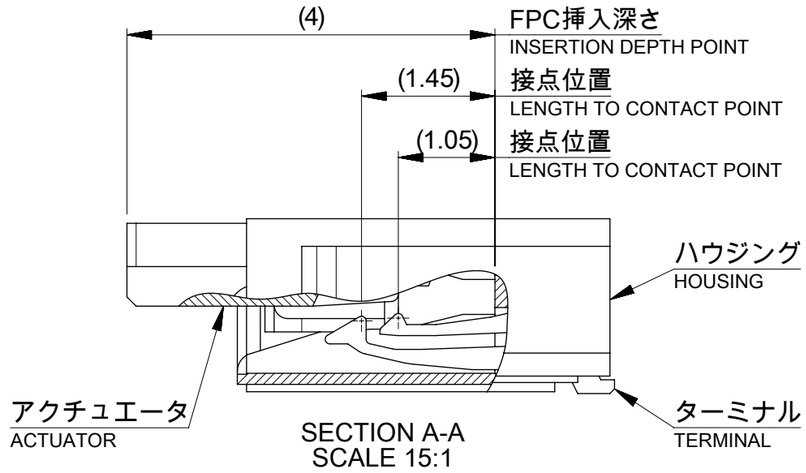
MATERIAL NUMBER | CUSTOMER | SHEET NUMBER: 1 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2019/08/13 10:02:53

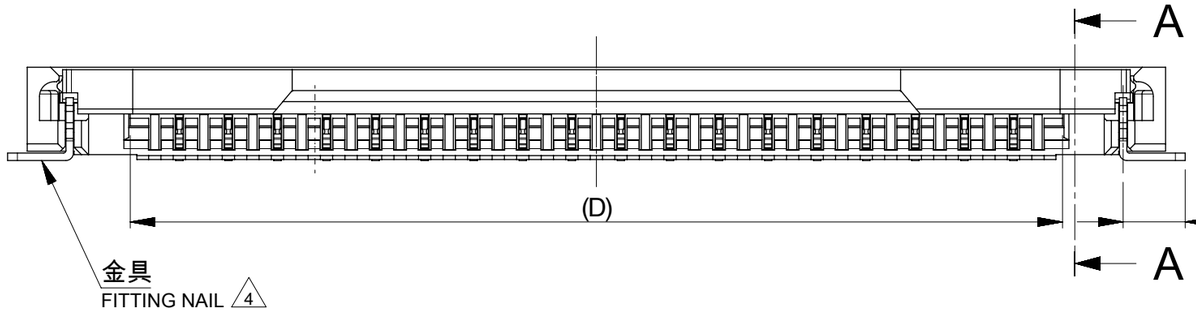
CONNECTOR SERIES No. 2005281**1

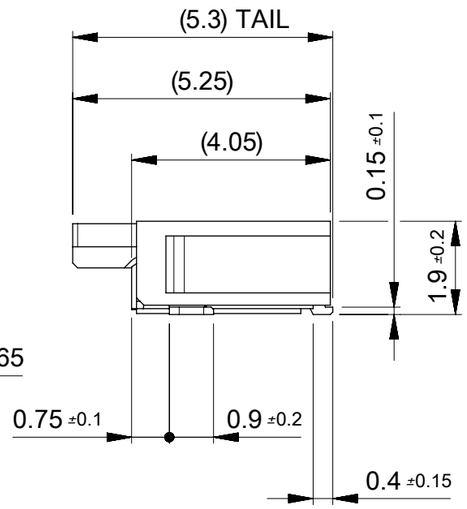
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REVISION: H
DATE: 2018/01/18

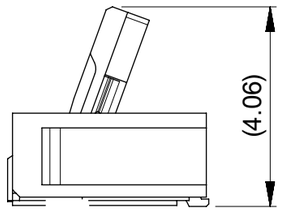




SECTION A-A
SCALE 15:1







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29	31.6	27	33.2	2005280281	28
28	30.6	26	32.2	2005280271	27
27	29.6	25	31.2	2005280261	26
26	28.6	24	30.2	2005280251	25
25	27.6	23	29.2	2005280241	24
24	26.6	22	28.2	2005280231	23
23	25.6	21	27.2	2005280221	22
22	24.6	20	26.2	2005280211	21
21	23.6	19	25.2	2005280201	20
20	22.6	18	24.2	2005280191	19
19	21.6	17	23.2	2005280181	18
18	20.6	16	22.2	2005280171	17
17	19.6	15	21.2	2005280161	16
16	18.6	14	20.2	2005280151	15
15	17.6	13	19.2	2005280141	14
14	16.6	12	18.2	2005280131	13
13	15.6	11	17.2	2005280121	12
12	14.6	10	16.2	2005280111	11
11	13.6	9	15.2	2005280101	10
D	C	B	A	EMBOSSED PACKAGE	Ckt
				オーダー番号 ORDER No.	

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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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	±	0.25
0 PLACES	±	0.3

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 620381
DRWN: JASANUMA 2019/07/10
CHK'D: YNAITO 2019/08/13
APPR: RTAKEUCHI 2019/08/13

INITIAL REVISION:
DRWN: JASANUMA 2018/10/05
APPR: RTAKEUCHI 2018/10/10

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 200528

molex

1.0 FPC ZIF 2 CONT HSG ASSY

PRODUCT CUSTOMER DRAWING

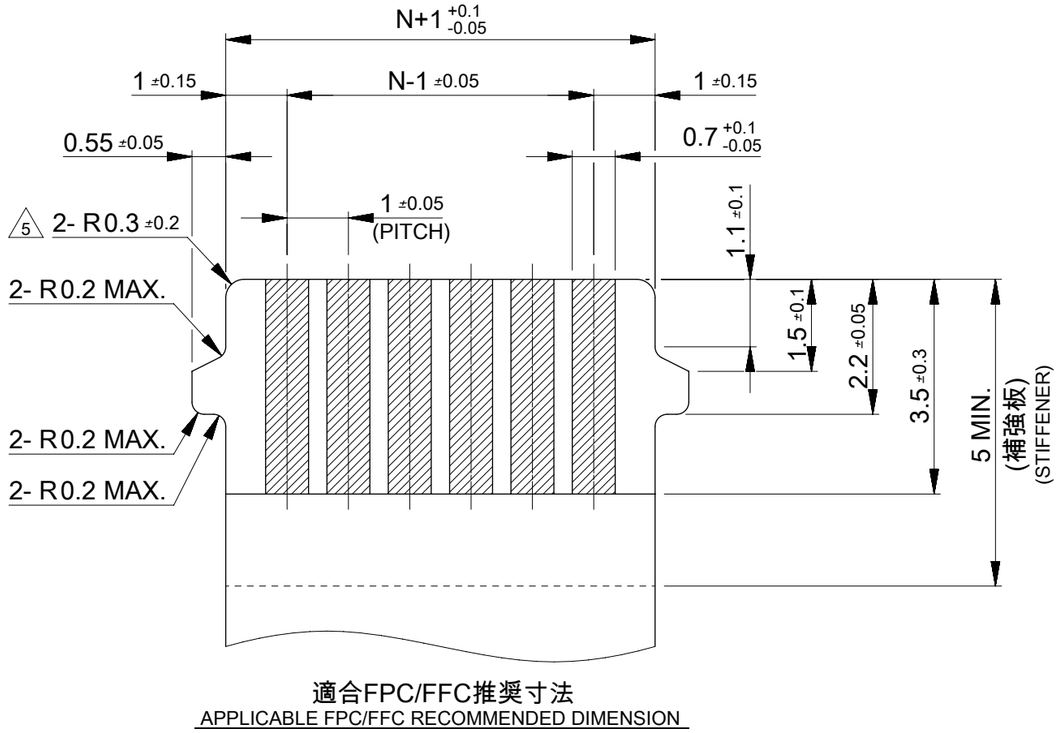
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2005281001-SD	PSD	000	C

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
		2 OF 4

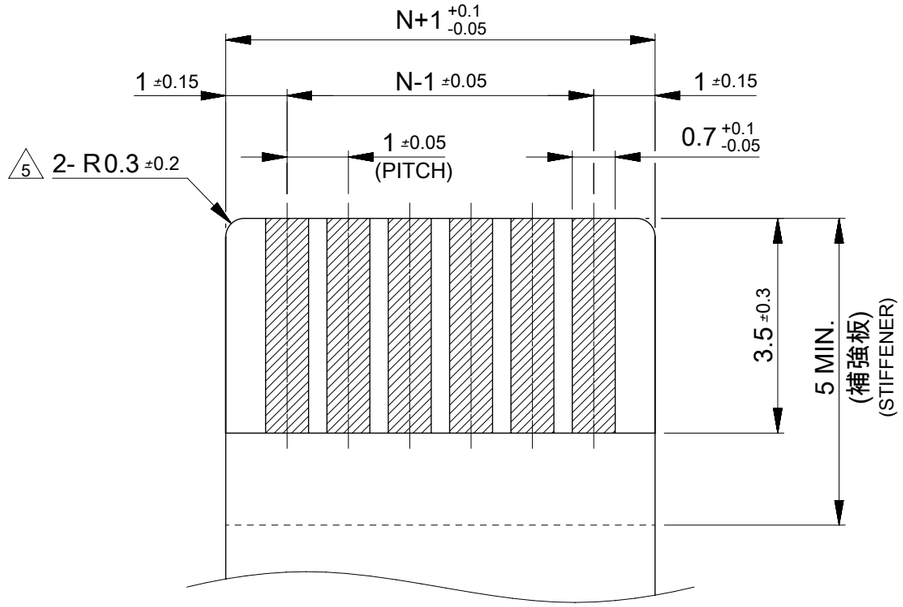
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CONNECTOR SERIES No. 2005281**1

FORMAT: master_dwg-A3
REVISION: H
DATE: 2018/01/15

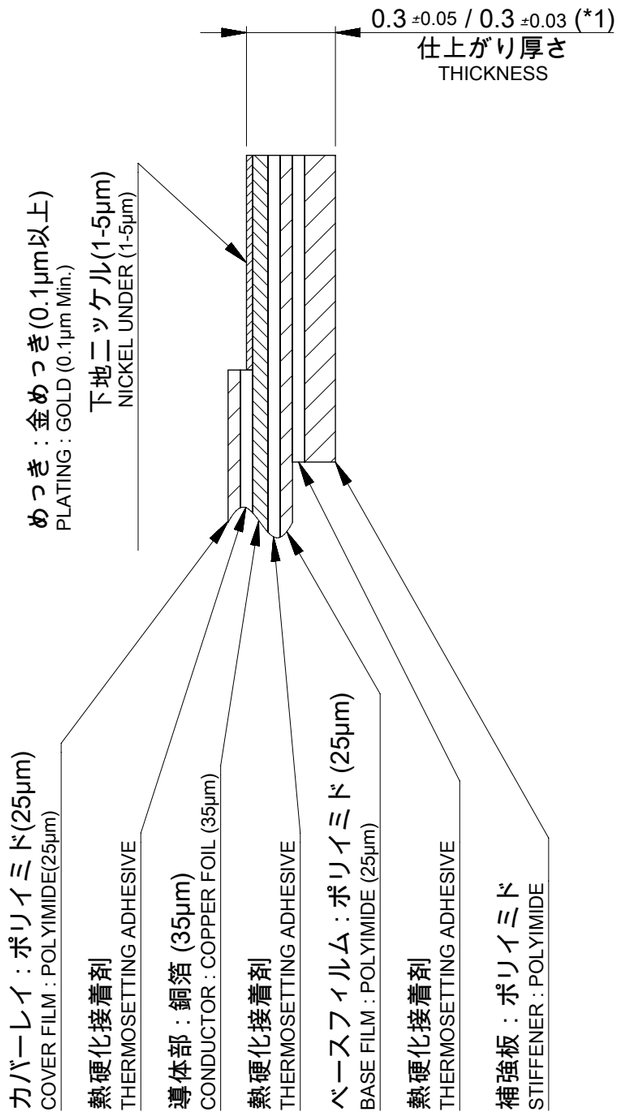


適合FPC/FFC推奨寸法
APPLICABLE FPC/FFC RECOMMENDED DIMENSION

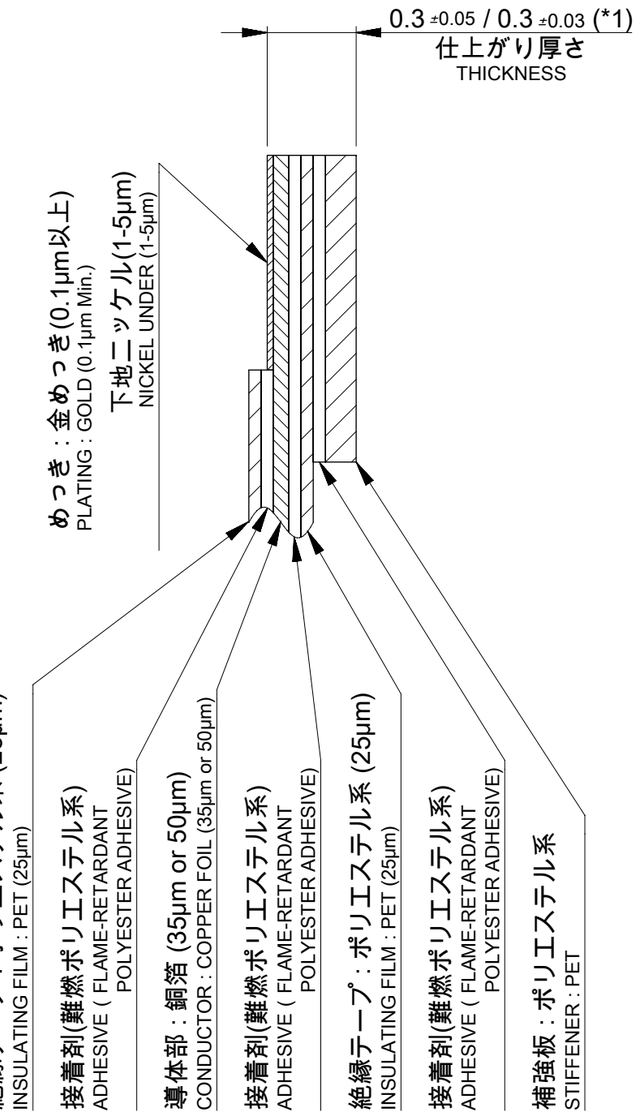


適合FPC/FFC推奨寸法
APPLICABLE FPC/FFC RECOMMENDED DIMENSION

*1 : 125°Cを超える環境下で使用する場合に適用。
Apply when use in over 125 deg.C environment.



FPC構成推奨仕様
STRUCTURE OF FPC



FFC構成推奨仕様
STRUCTURE OF FFC

DOCUMENT STATUS	P1	RELEASE DATE	2019/08/13 10:02:53

FORMAT: master-tb-prod-A3
REVISION: H
DATE: 2018/01/18

SYMBOLS
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THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
mm	10:1

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:

EC NO: 620381
DRWN: JASANUMA 2019/07/10
CHK'D: YNAITO 2019/08/13
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INITIAL REVISION:
DRWN: JASANUMA 2018/10/05
APPR: RTAKEUCHI 2018/10/10

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 200528

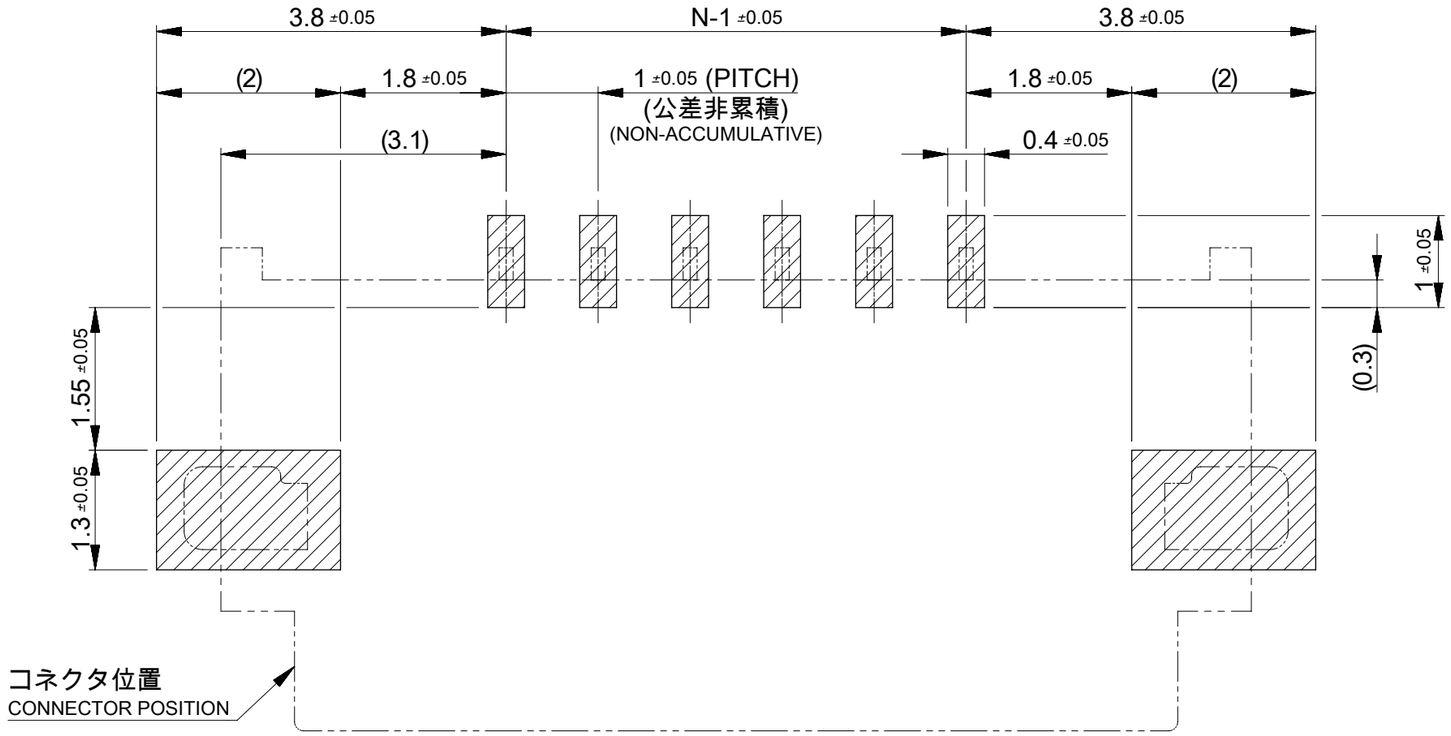
molex

1.0 FPC ZIF 2 CONT HSG ASSY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2005281001-SD	PSD	000	C

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
		3 OF 4



推奨基板レイアウト
RECOMMENDED P.W.B PATTERN LAYOUT

参考マスク厚 : 100μm
REFERENCE SCREEN THICKNESS : 100μm

参考マスク開口率 : 100%
REFERENCE SCREEN OPEN RATIO : 100%

FPC/FFCについて　ABOUT FPC/FFC

打ち抜き方向は導体側から補強板側を推奨します。
導体部については軟箔銅35μmまたは50μmを推奨します。
FFCに規定された定格温度がFFC単体前提である場合が御座います。
コネクタと組み合わせての実使用において、接着層が劣化するなどの信頼性を満足できないケースを回避するため、実機での評価/確認をお願いいたします。
RECOMMENDED PUNCHING DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER SIDE
RECOMMENDED CONDUCTOR SPEC : SOFT COPPER FOIL
RECOMMENDED CONDUCTOR THICKNESS : 35 MICROMETER OR 50 MICROMETER
NOTE : WHEN ACTUALLY USING IT WITH CONNECTOR, PLEASE DO THE EVALUATION AND THE CONFIRMATION WITH AN ACTUAL EQUIPMENT TO EVADE THE CASE WHERE RELIABILITY CANNOT BE FILLED (THE ADHESIVE LINE OF FFC IS DETERIORATED ETC.)

FPCについて　ABOUT FPC

補強フィルム材質はポリイミドを推奨します。ベースフィルムは25μmを推奨します。
接着剤は熱硬化接着剤を推奨します。
尚、接着剤の接点部への付着は導通不良の原因になりますので、染み出しが無い様お願い致します。
RECOMMENDED STIFFENER MATERIAL : POLYIMIDE
RECOMMENDED BASE FILM THICKNESS : 25 MICROMETER
RECOMMENDED ADHESIVE : THERMOSETTING ADHESIVE
NOTE : PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON ADHEREND BECAUSE THERE IS A POSSIBILITY THAT THE EXTRA ADHESIVE CAUSES THE DEFECT IN ELECTRICAL CONTINUITY.

注記　NOTES

1. 使用材料　MATERIAL

ハウジング　　: 液晶ポリマー　ガラス充填、UL94V-0 (ベージュ)
HOUSING　　LIQUID CRYSTAL POLYMER　GLASS FILLED, UL94V-0 (BEIGE)

アクチュエータ : ポリアミド　ガラス充填、UL94V-0 (黒)
ACTUATOR　　POLYAMIDE GLASS FILLED, UL94V-0 (BLACK)

ターミナル　　: 銅合金 (t=0.15)
TERMINAL　　COPPER ALLOY

金具　　: リン青銅 (t=0.15)
FITTING NAIL　　PHOSPHOR BRONZE

2. めっき仕様　PLATING

ターミナル TERMINAL
コンタクト部 : 部分金めっき (0.05μm以上)
CONTACT AREA : SEPARATED GOLD PLATING (0.05μm MINIMUM)

テール部 : 部分金めっき
SOLDER TAIL AREA : SEPARATED GOLD PLATING

下地:ニッケルめっき (1.0μm以上)
UNDERPLATE : NICKEL OVERALL (1.0μm MINIMUM)

金具 FITTING NAIL
錫めっき (1.0μm以上)
TIN PLATING (1.0μm MINIMUM)

下地:ニッケルめっき (1.0μm以上)
UNDER PLATING : NICKEL PLATING (1.0μm MINIMUM)

3. エンボステープ梱包時は、アクチュエータが閉じた状態とする。
IN THE PACKAGE, ACTUATOR OF PART SHOULD BE CLOSED.

△4 パターン剥離止め用金具
FITTING NAIL FOR PREVENTING PEELING OF P.W.B. PATTERN.

△5 R0.3はFPC/FFC導体部にかからないこと。
R0.3 MUST NOT BE OVERLAPPED TO PATTERN OF FPC/FFC.

6. N : 極数　N : CIRCUIT

7. テールと金具を併せた平坦度は0.1mm以下とする。
TAILS AND NAILS COPLANALITY TO BE 0.1mm MAXIMUM.

SYMBOLS	
EA = 0	
EC = 0	
EF = 0	
S = 0	
▼ = 0	
C = 0	
☒ = 0	
■ = 0	
▽ = 0	

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DIMENSION UNITS	SCALE
mm	15:1

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:

EC NO: 620381
DRWN: JASANUMA 2019/07/10
CHK'D: YNAITO 2019/08/13
APPR: RTAKEUCHI 2019/08/13

INITIAL REVISION:
DRWN: JASANUMA 2018/10/05
APPR: RTAKEUCHI 2018/10/10

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 200528

molex

1.0 FPC ZIF 2 CONT HSG ASSY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2005281001-SD	PSD	000	C

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
		4 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2019/08/13 10:02:53

FORMAT: master-lb-prod-A3
REVISION: H
DATE: 2018/01/18