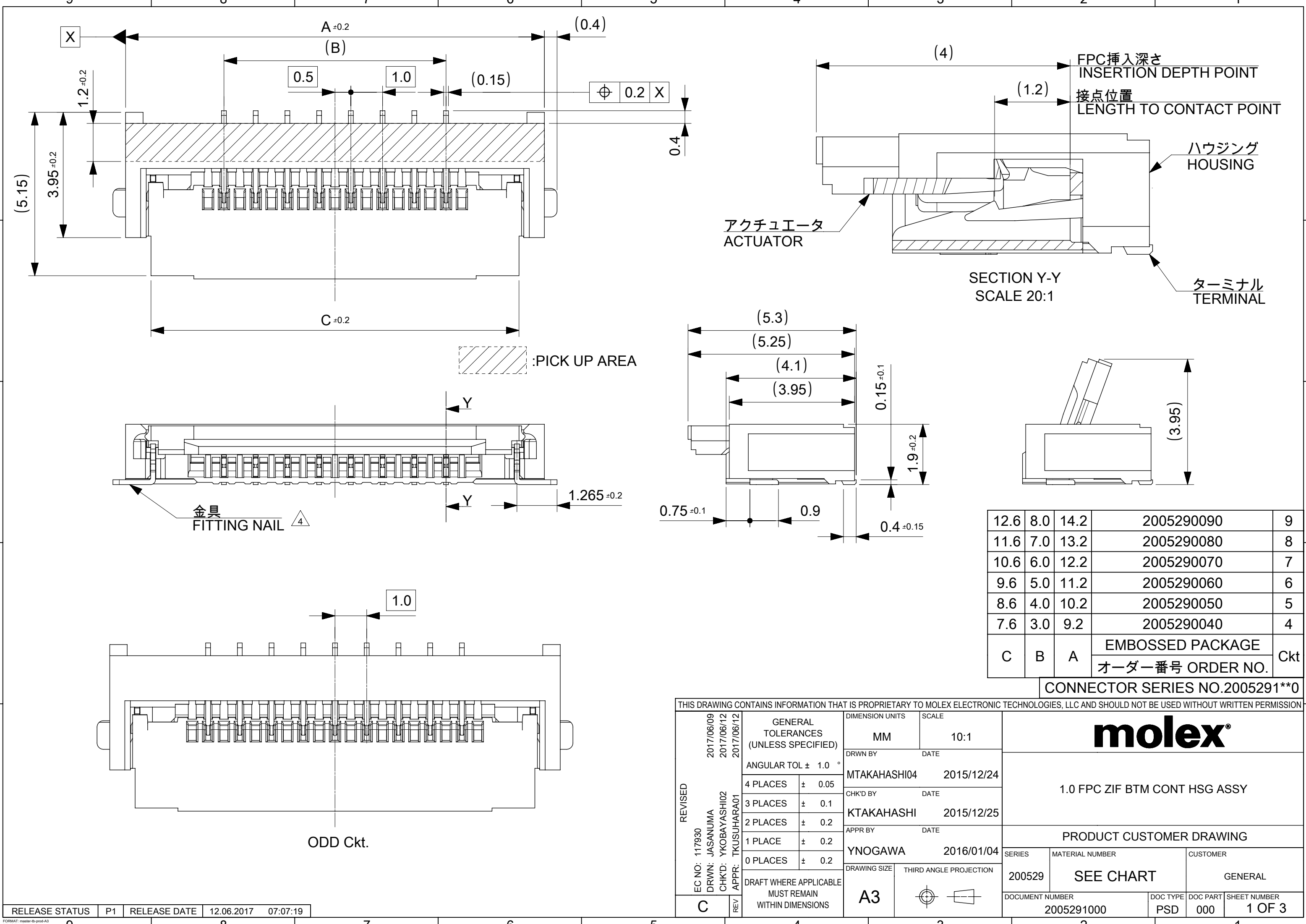




12.6	8.0	14.2	2005290090	9
11.6	7.0	13.2	2005290080	8
10.6	6.0	12.2	2005290070	7
9.6	5.0	11.2	2005290060	6
8.6	4.0	10.2	2005290050	5
7.6	3.0	9.2	2005290040	4
C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER NO.	Ckt

CONNECTOR SERIES NO.2005291**0

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

REVISED

EC NO: 117930
DRWN: JASANUMA
CHK'D: YKOBAYASHI02
APPR: TKUSUHARA01

2017/06/09
2017/06/12
2017/06/12

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ± 0.05

3 PLACES ± 0.1

2 PLACES ± 0.2

1 PLACE ± 0.2

0 PLACES ± 0.2

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION UNITS

MM

DRWN BY

MTAKAHASHI04

CHK'D BY

KTAKAHASHI

APPR BY

YNOGAWA

DRAWING SIZE

A3

SCALE

10:1

DATE

2015/12/24

DATE

2015/12/25

DATE

2016/01/04

THIRD ANGLE PROJECTION

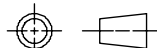
molex

1.0 FPC ZIF BTM CONT HSG ASSY

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER	
200529	SEE CHART	GENERAL	
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
2005291000	PSD	000	1 OF 3

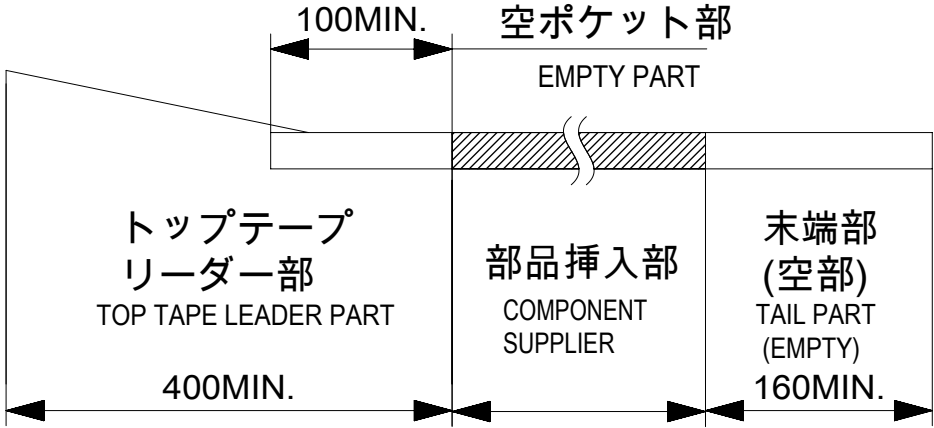


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REVISED EC NO: 117930 DRWN: JASANUMA CHK'D: YKOBAYASHI02 APPR: TKUSUHARA01		2017/06/09	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS		SCALE		molex®								
		2017/06/12		MM		1:1										
		2017/06/12		ANGULAR TOL ± 1.0 °		DRWN BY		DATE		1.0 FPC ZIF BTM CONT HSG ASSY						
				4 PLACES ± 0.05		MTAKAHASHI04		2015/12/24								
				3 PLACES ± 0.1		CHK'D BY		DATE								
				2 PLACES ± 0.2		KTAKAHASHI		2015/12/25								
				1 PLACE ± 0.2		APPR BY		DATE								
				0 PLACES ± 0.2		YNOGAWA		2016/01/04								
C		REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		CUSTOMER			
			A3				200529		SEE SHEET 1		GENERAL					
									DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER	
									2005291000		PSD		000		2 OF 3	

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

引き出し方向
PULL OUT
DIRECTION

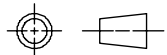


3. カバーテープの剥離強度については、IEC60286-3に準拠。
COVER TAPE PEEL FORCE IS DEFINED BY IEC 60286-3.

4. 製品詳細寸法については、図面 2005291000-000を参照下さい。
FOR DIMINTIONS OF PRODUCT, REFER TO 2005291000-000.

5. 材料 MATERIAL
キャリアテープ：ポリスチレン
CARRIER TAPE : POLYSTYRENE
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
TOP TAPE : POLYETHYLENE TEREHTHALATE, POLYETHYLENE
リール :ポリスチレン<リサイクル材を含む>

6. ELV及びRoHS適合品 ELV AND RoHS COMPLIANT.

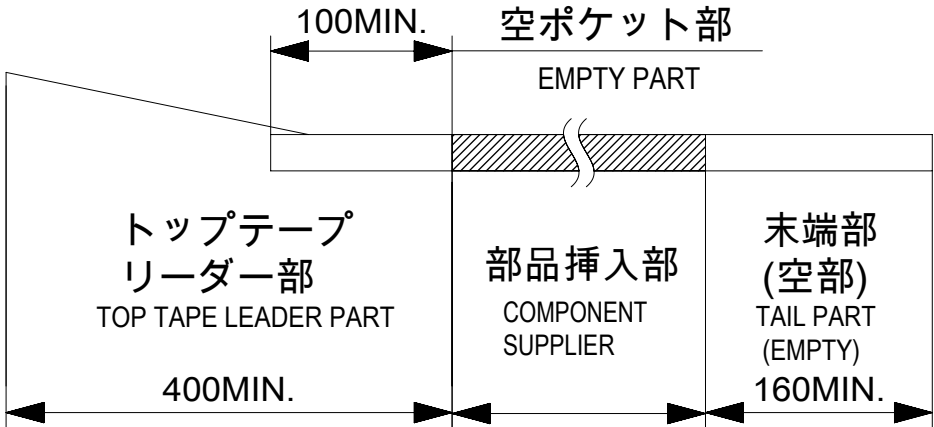
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
REVISED	EC NO: 103009 DRWN: MTAKAHASHI04 CHK'D: KTAKAHASHI APPR: TKUSUHARA01	2016/02/09 2016/02/19 2016/02/19	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex®						
					MM		2:1								
			ANGULAR TOL ± 1.0 °		DRWN BY		DATE		1.0 FPC ZIF BTM CONT EMBT PKG						
			4 PLACES ± 0.05		MTAKAHASHI04		2015/12/24								
			3 PLACES ± 0.1		CHK'D BY		DATE		PRODUCT CUSTOMER DRAWING						
			2 PLACES ± 0.2		KTAKAHASHI		2015/12/25								
			1 PLACE ± 0.2		APPR BY		DATE		200529						
			0 PLACES ± 0.2		YNOGAWA		2016/01/04								
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		200529		MATERIAL NUMBER		CUSTOMER		
					A3				SEE CHART		GENERAL				
B	REV						DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER				
		2005290000					PSD	000	1 OF 2						

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

引き出し方向

PULL OUT
DIRECTION



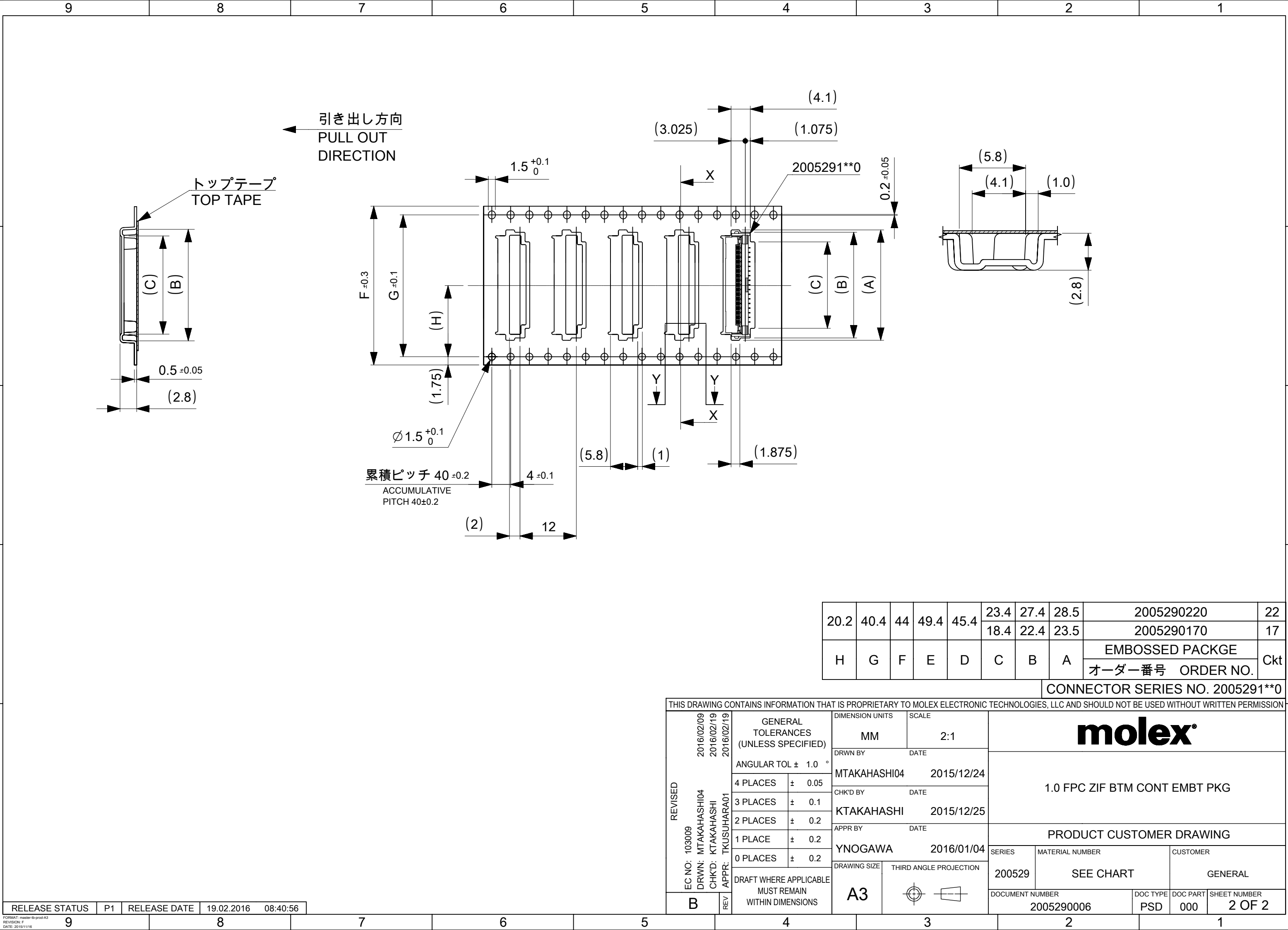
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COVER TAPE PEEL FORCE IS DEFINED BY IEC 60286-3.

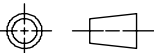
4. 製品詳細寸法については、図面 2005291006-000を参照下さい。
FOR DIMINTIONS OF PRODUCT, REFER TO 2005291006-000.

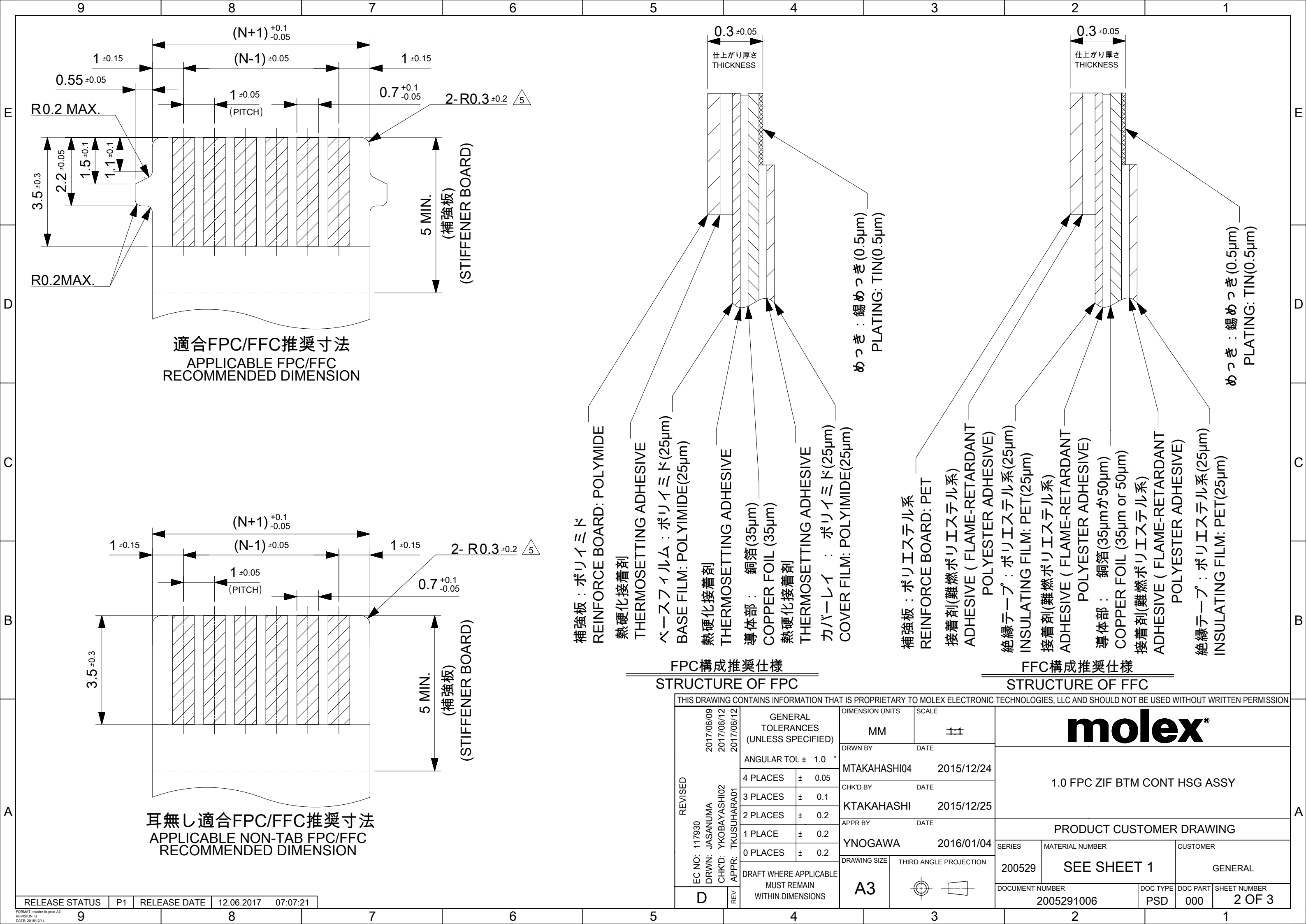
5. 材料 MATERIAL
キャリアテープ：ポリスチレン
CARRIER TAPE : POLYSTYRENE
トップテープ：ポリエチレンテレフタレート、ポリエチレン
TOP TAPE : POLYETHYLENE TEREHTHALATE, POLYETHYLENE
リール：ポリスチレン<リサイクル材を含む>

6. ELV及びRoHS適合品 ELV AND RoHS COMPLIANT.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
REVISED	EC NO: 103009 DRWN: MTAKAHASHI04 CHK'D: KTAKAHASHI REV APPR: TKUSUHARA01	2016/02/09 2016/02/19 2016/02/19	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE	molex 1.0 FPC ZIF BTM CONT EMBT PKG				
					MM	2:1					
			ANGULAR TOL ± 1.0 °		DRWN BY	DATE					
			4 PLACES	± 0.05	MTAKAHASHI04	2015/12/24					
			3 PLACES	± 0.1	CHK'D BY	DATE					
			2 PLACES	± 0.2	KTAKAHASHI	2015/12/25					
			1 PLACE	± 0.2	APPR BY	DATE	PRODUCT CUSTOMER DRAWING				
			0 PLACES	± 0.2	YNOGAWA	2016/01/04	SERIES	MATERIAL NUMBER	CUSTOMER		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE	THIRD ANGLE PROJECTION	200529	SEE CHART	GENERAL		
					A3		DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER
							2005290006		PSD	000	1 OF 2



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REVISED	EC NO: 103009 DRWN: MTAKAHASHI04 CHK'D: KTAKAHASHI APPR: TKUSUHARA01	2016/02/09 2016/02/19 2016/02/19	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex®					
					MM		2:1							
			ANGULAR TOL ± 1.0 °		DRWN BY		DATE		1.0 FPC ZIF BTM CONT EMBT PKG					
			4 PLACES ± 0.05		MTAKAHASHI04		2015/12/24							
			3 PLACES ± 0.1		CHK'D BY		DATE							
			2 PLACES ± 0.2		KTAKAHASHI		2015/12/25							
			1 PLACE ± 0.2		APPR BY		DATE		PRODUCT CUSTOMER DRAWING					
			0 PLACES ± 0.2		YNOGAWA		2016/01/04							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		CUSTOMER	
					A3				200529		SEE CHART		GENERAL	
B	REV						DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER	
							2005290006		PSD		000		2 OF 2	

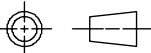


適合FPC/FFC推奨寸法
APPLICABLE FPC/FFC
RECOMMENDED DIMENSION

耳無し適合FPC/FFC推奨寸法
APPLICABLE NON-TAB FPC/FFC
RECOMMENDED DIMENSION

FPC構成推奨仕様
STRUCTURE OF FPC

FFC構成推奨仕様
STRUCTURE OF FFC

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REVISED	EC NO: 117930 DRWN: JASANUMA CHK'D: YKOBAYASHI02 APPR: TKUSUHARA01	2017/06/09 2017/06/12 2017/06/12	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex®						
					MM		1:1								
			ANGULAR TOL ± 1.0 °		DRWN BY		DATE		1.0 FPC ZIF BTM CONT HSG ASSY						
			4 PLACES ± 0.05		MTAKAHASHI04		2015/12/24								
			3 PLACES ± 0.1		CHK'D BY		DATE								
			2 PLACES ± 0.2		KTAKAHASHI		2015/12/25								
			1 PLACE ± 0.2		APPR BY		DATE		PRODUCT CUSTOMER DRAWING						
			0 PLACES ± 0.2		YNOGAWA		2016/01/04								
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		CUSTOMER		
					A3				200529		SEE SHEET 1		GENERAL		
D	REV								DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER		
									2005291006		PSD	000	2 OF 3		

9

8

7

6

5

4

3

2

1

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(ページュ)

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 :リン青銅(t=0.15)

TERMINAL PHOSPHOR BRONZE

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

錫銀ビスマスめっき (1.0μm以上)

下地:ニッケルめっき (1.0μm以上)

TINSILVER BISMUTH PLATING

(1.0 MICROMETER MINIMUM)

UNDERPLATE : NICKEL OVERALL

(1.0 MICROMETER MINIMUM)

金具 FITTING NAIL

錫めっき(1.0μm以上)

下地:ニッケルめっき (1.0μm以上)

TIN PLATING (1.0 MICROMETER MIN.)

UNDER PLATING : NICKEL PLATING

(1.0 MICROMETER MIN.)

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 PREVENTION OF PEELING OF P.C.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.ELV及びRoHS適合品

ELV AND RoHS COMPLIANT

8.テールと金具を併せた平坦度は0.1以下とする。

TAILS AND NAILS COPLANALITY TO BE 0.1 MAX.

3.8 ±0.05

(2)

1.8 ±0.05

(3.1)

1.55 ±0.05

1.3 ±0.05

1 ±0.05 (PITCH)

(公差非累積)(NON-ACCUMULATIVE)

(N-1) ±0.05

0.4 ±0.05

3.8 ±0.05

(2)

1.8 ±0.05

(0.3)

1 ±0.05

コネクタ位置

(CONNECTOR POSITION)

推奨基板レイアウト

RECOMENDED P.W.B.

PATTERN LAYOUT

参考マスク厚 : 100μm

参考マスク開口率 : 100%

REFERENCE SCREEN THICKNESS : 100μm

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

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 MATERIAL/THICKNESS.

RECOMMENDED STIFFENER MATERIAL: POLYIMIDE

RECOMMENDED BASE FILM THICKNESS: 25 MICROMETER

RECOMMENDED ADHESIVE: THERMOSETTING ADHESIVE

PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON ADHEREND BECAUSE THERE IS A

POSSIBILITY THAT THE EXTRA ADHESIVE CAUSES THE DEFECT IN ELECTRICAL CONTINUITY.

THERE IS A POSSIBILITY THAT THE PRESCRIPT TEMPERATURE OF FFC IS SET TO SINGLE IT.

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EC NO: 117930

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2017/06/09

2017/06/12

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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS

MM

DRWN BY

MTAKAHASHI04

CHK'D BY

KTAKAHASHI

APPR BY

YNOGAWA

DRAWING SIZE

A3

SCALE

±±

DATE

2015/12/24

DATE

2015/12/25

DATE

2016/01/04

THIRD ANGLE PROJECTION

molex®

1.0 FPC ZIF BTM CONT HSG ASSY

PRODUCT CUSTOMER DRAWING

SERIES

200529

MATERIAL NUMBER

SEE SHEET 1

CUSTOMER

GENERAL

DOCUMENT NUMBER

2005291006

DOC TYPE

PSD

DOC PART

000

SHEET NUMBER

3 OF 3

RELEASE STATUS

P1

RELEASE DATE

12.06.2017

07:07:21

9

8

7

6

5

4

3

2

1

FORMAT: master-b-prod-A3

REVISION: 15

DATE: 2015/12/14