

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

1.0 FPC ZIF BTM CONT HSG ASSY

PRODUCT CUSTOMER DRAWING

SERIES

200529

MATERIAL NUMBER

SEE CHART

CUSTOMER

GENERAL

DOCUMENT NUMBER

2005291000

DOC TYPE

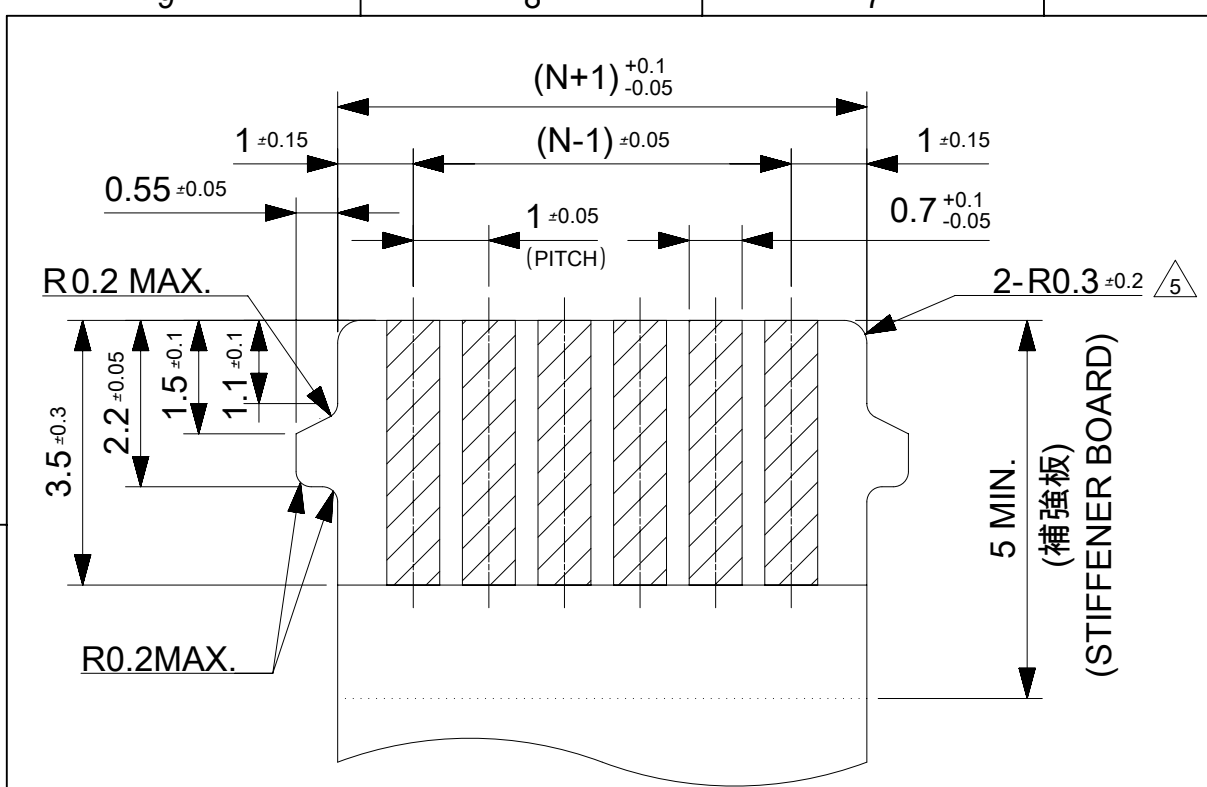
PSD

DOC PART

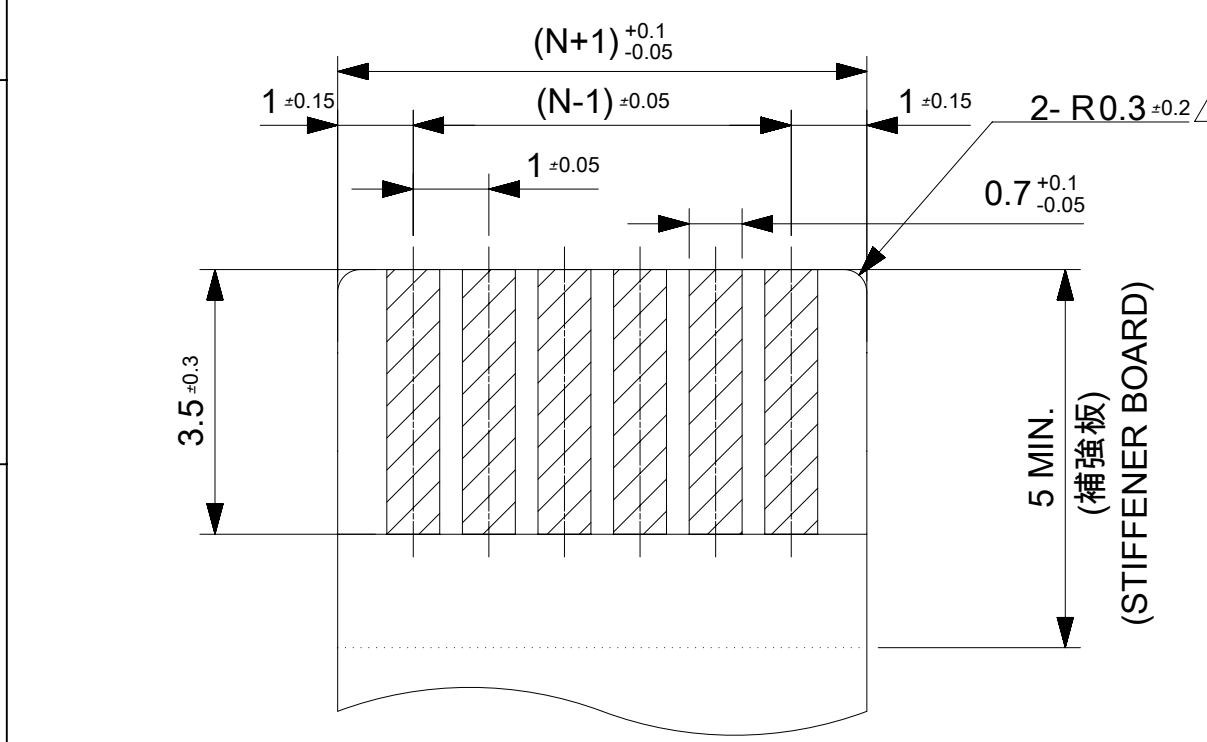
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SHEET NUMBER

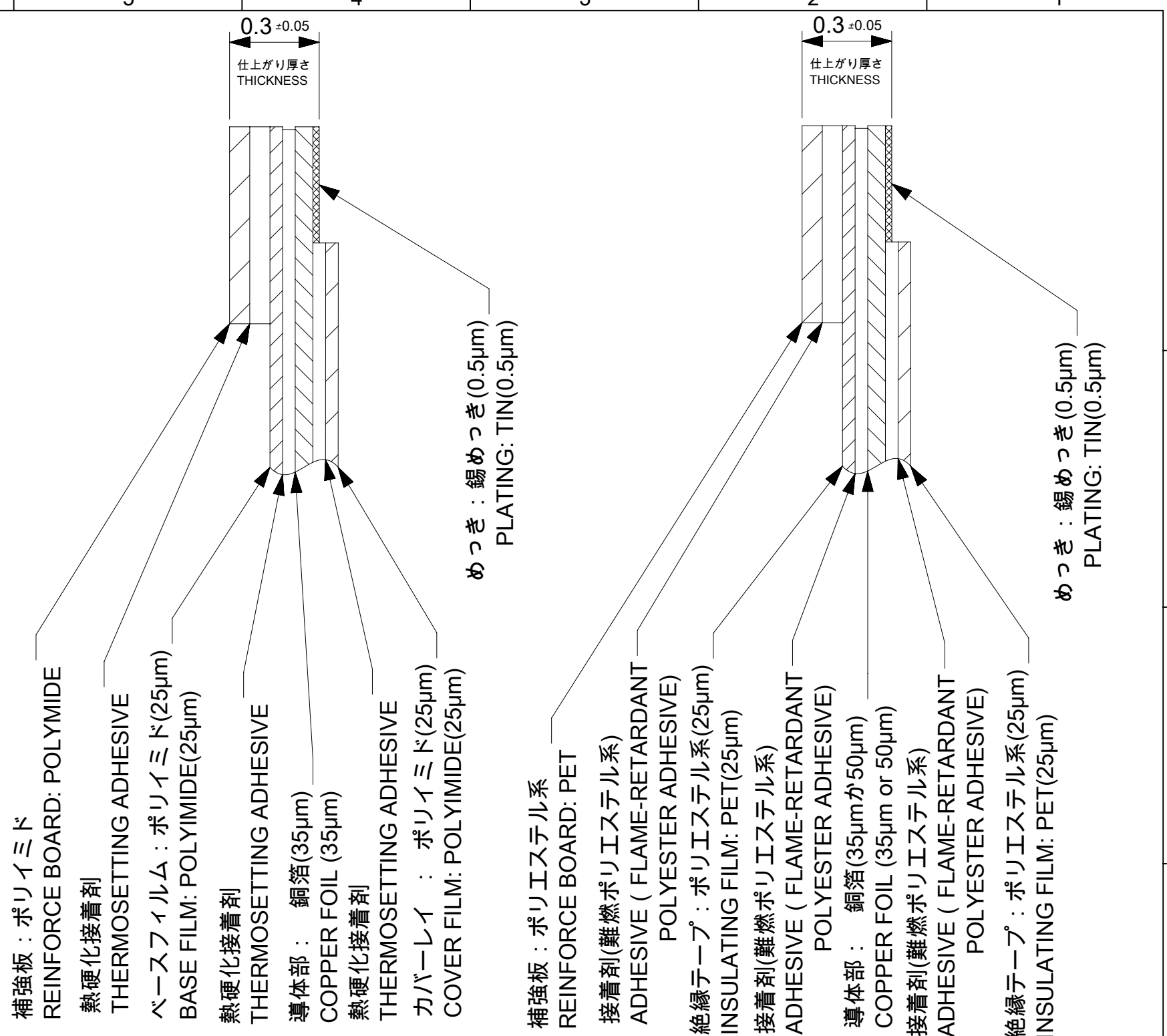
1 OF 3



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


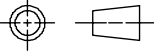


耳無し適合FPC/FFC推奨寸法
APPLICABLE NON-TAB FPC/FFC
RECOMMENDED DIMENSION



FPC構成推奨仕様
STRUCTURE OF FPC

FFC構成推奨仕様
STRUCTURE OF FFC

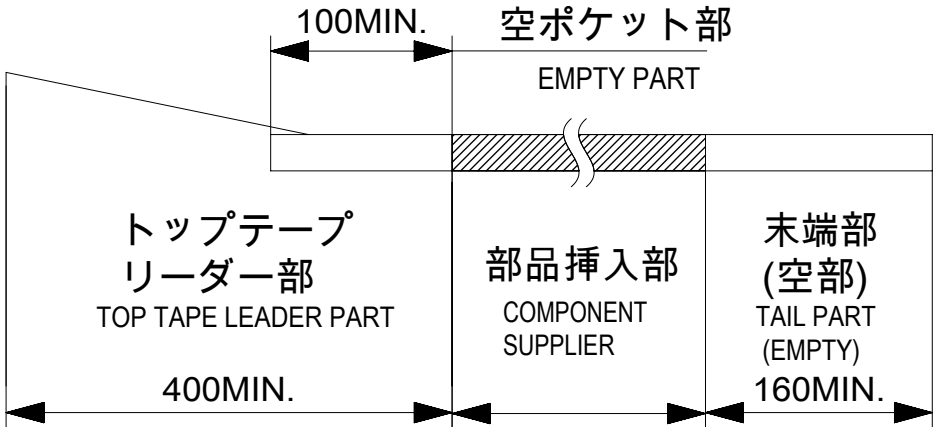
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
REVISED	EC NO: 117930 DRWN: JASANUMA CHK'D: YKOBAYASHI02 APPR: TKUSUHARA01	2017/06/09 2017/06/12 2017/06/12	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		<div>molex®</div>						
						MM										
			ANGULAR TOL ± 1.0 °			DRWN BY		DATE		1.0 FPC ZIF BTM CONT HSG ASSY						
						MTAKAHASHI04		2015/12/24								
			4 PLACES		±	0.05	CHK'D BY		DATE							
			3 PLACES		±	0.1	KTAKAHASHI		2015/12/25							
			2 PLACES		±	0.2	APPR BY		DATE		PRODUCT CUSTOMER DRAWING					
			1 PLACE		±	0.2										
			0 PLACES		±	0.2										
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DRAWING SIZE		THIRD ANGLE PROJECTION		A3				SERIES		MATERIAL NUMBER
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

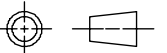


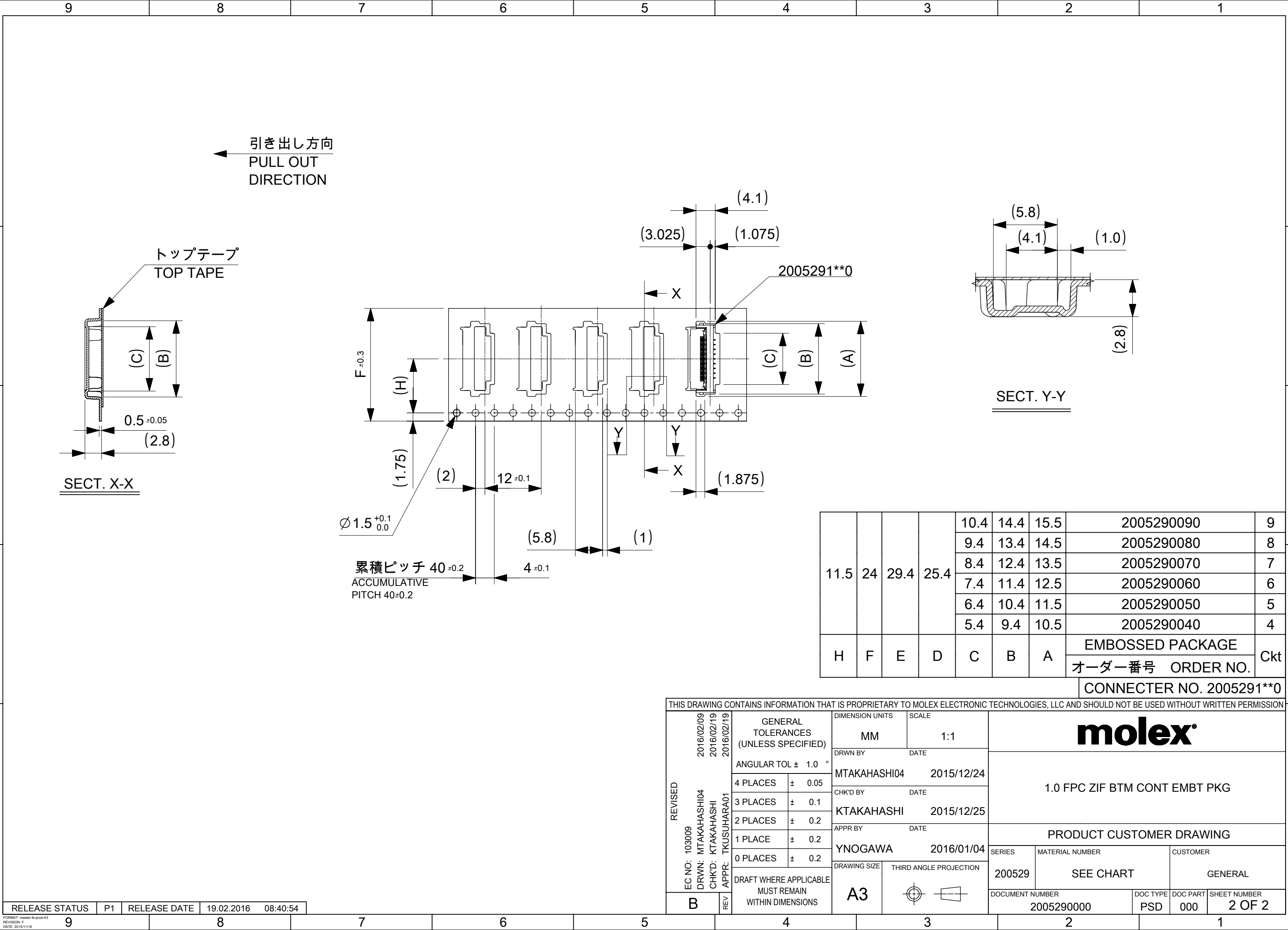
3. カバーテープの剥離強度については、IEC60286-3に準拠。
COVER TAPE PEEL FORCE IS DEFINED BY IEC 60286-3.

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>

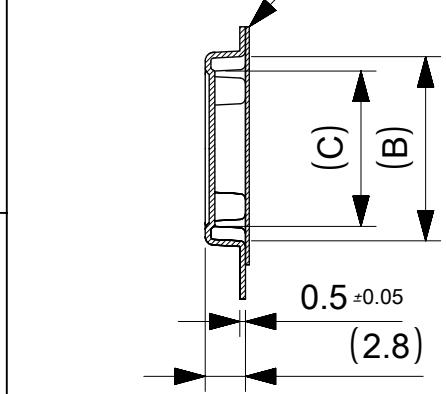
6. ELV及びRoHS適合品 ELV AND RoHS COMPLIANT.

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		<div>molex®</div> <div>1.0 FPC ZIF BTM CONT EMBT PKG</div>							
					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									
			0 PLACES ± 0.2		YNOGAWA		2016/01/04		PRODUCT CUSTOMER DRAWING							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER			CUSTOMER		
					A3				200529		SEE CHART			GENERAL		
					DOCUMENT NUMBER			DOC TYPE		DOC PART		SHEET NUMBER				
						2005290000			PSD		000		1 OF 2			

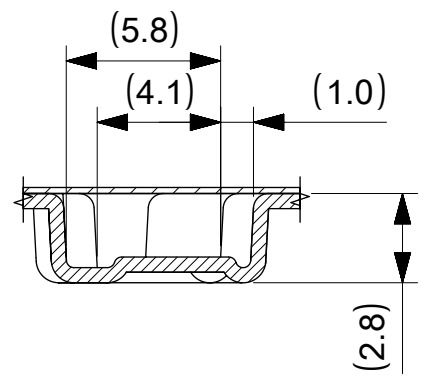
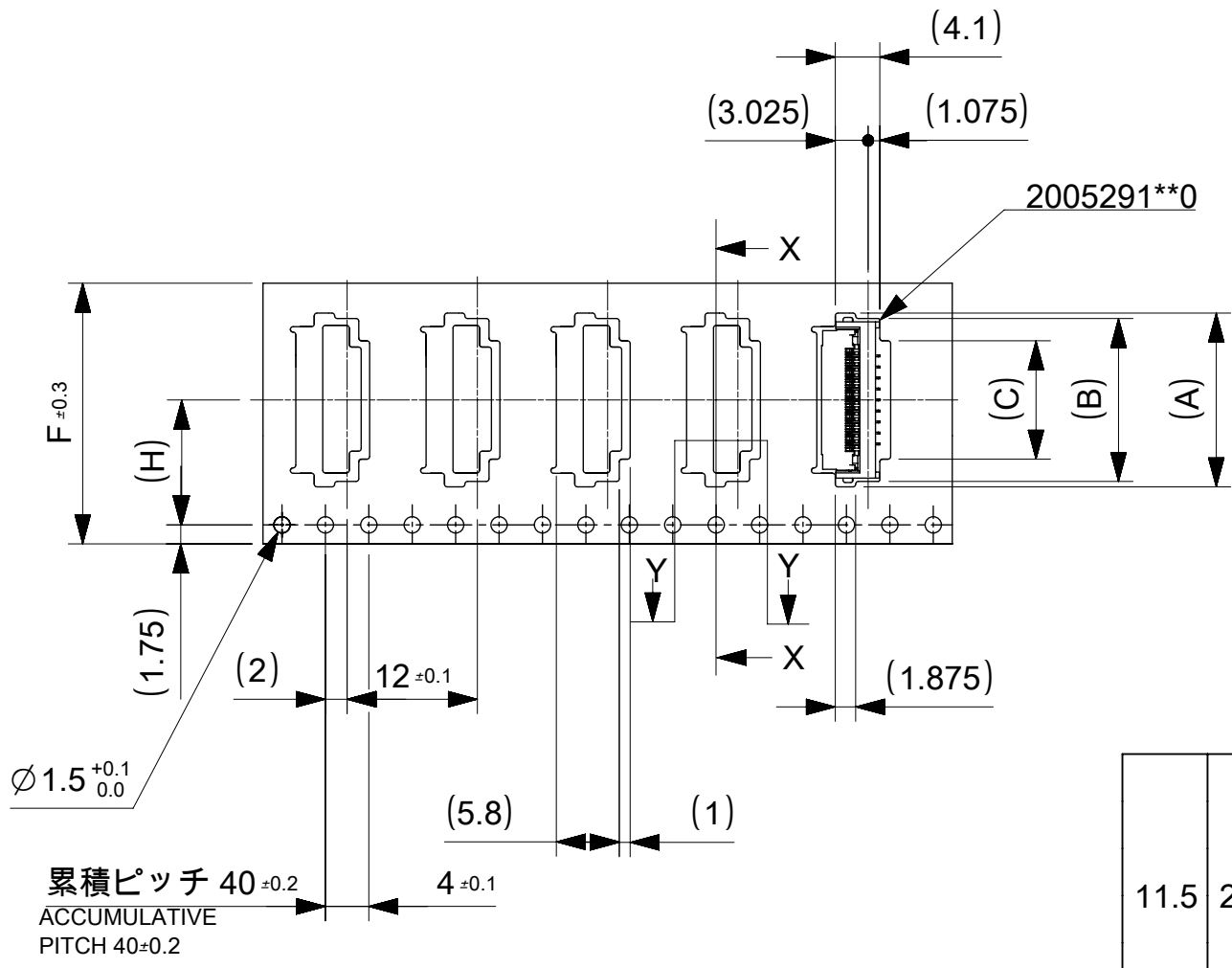


引き出し方向
PULL OUT
DIRECTION

トップテープ
TOP TAPE



SECT. X-X



SECT. Y-Y

11.5	24	29.4	25.4	10.4	14.4	15.5	2005290090	9
				9.4	13.4	14.5	2005290080	8
				8.4	12.4	13.5	2005290070	7
				7.4	11.4	12.5	2005290060	6
				6.4	10.4	11.5	2005290050	5
				5.4	9.4	10.5	2005290040	4
H	F	E	D	C	B	A	EMBOSSED PACKAGE	Ckt
							オーダー番号 ORDER NO.	
							CONNECTER NO. 2005291**0	

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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)

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

1:1

DATE

2015/12/24

DATE

2015/12/25

DATE

2016/01/04

THIRD ANGLE PROJECTION

molex

1.0 FPC ZIF BTM CONT EMBT PKG

PRODUCT CUSTOMER DRAWING

SERIES

200529

MATERIAL NUMBER

SEE CHART

CUSTOMER

GENERAL

DOCUMENT NUMBER

2005290000

DOC TYPE

PSD

DOC PART

000

SHEET NUMBER

2 OF 2

9

8

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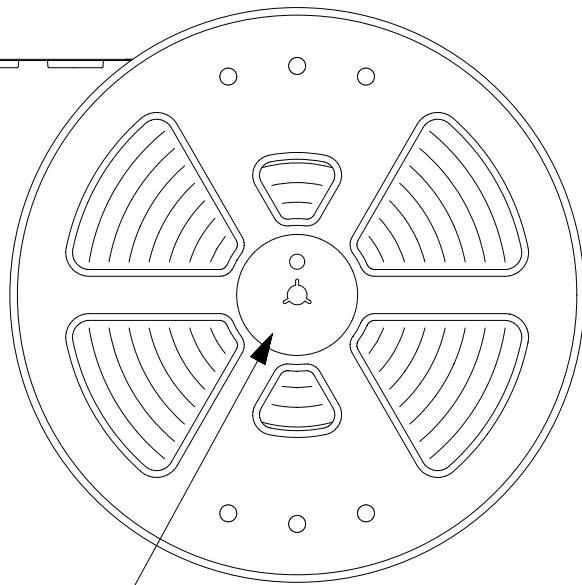
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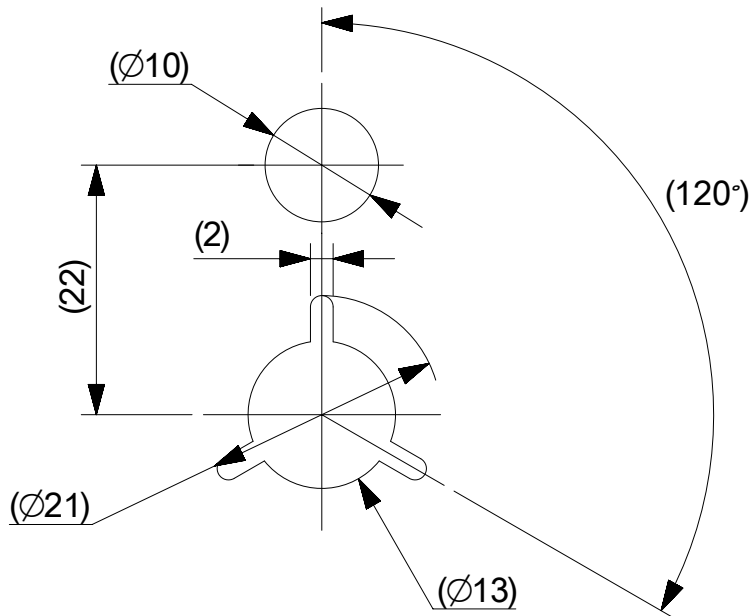
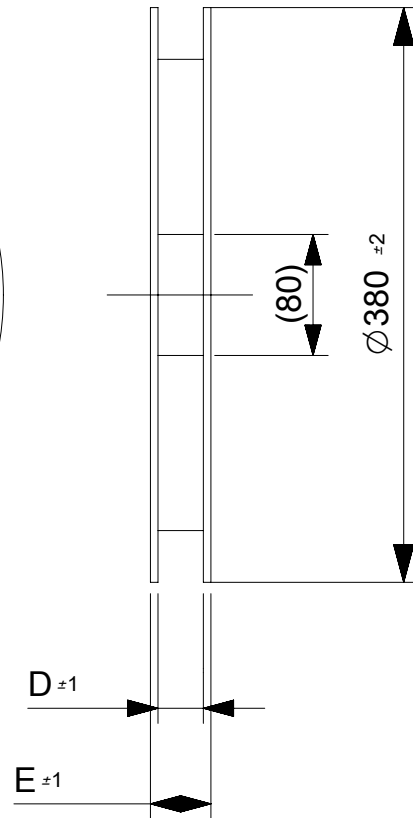
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引き出し方向

PULL OUT
DIRECTION



"E"



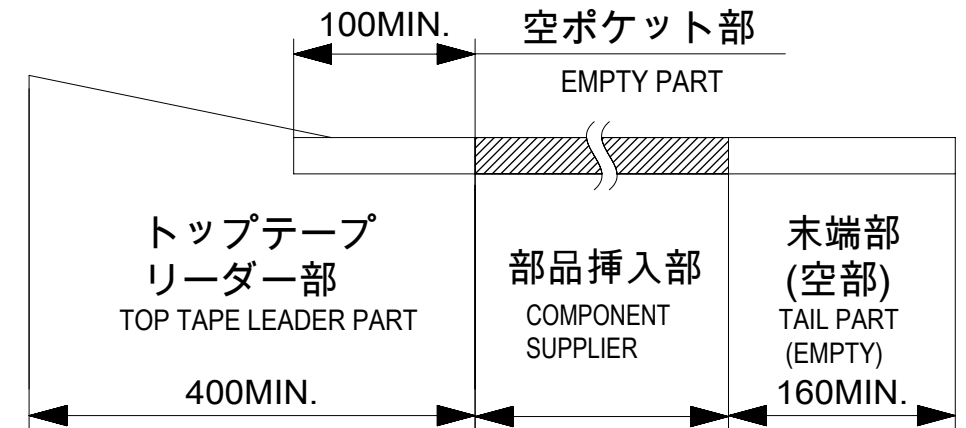
DETAIL "E"

NOTES

- 梱包数量： 3000個 / リール
NUMBER OF CONNECTORS : 3000 PCS/REEL.
- リードテープ長さ
LEAD TAPE LENGTH

引き出し方向

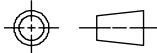
PULL OUT
DIRECTION



- 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.

- 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.

- 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	<div>molex®</div>								
					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								
			0 PLACES ± 0.2		YNOGAWA		2016/01/04		PRODUCT CUSTOMER DRAWING						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION								
			B	REV			A3				200529	SEE CHART		GENERAL	
DOCUMENT NUMBER		DOC TYPE									DOC PART	SHEET NUMBER			
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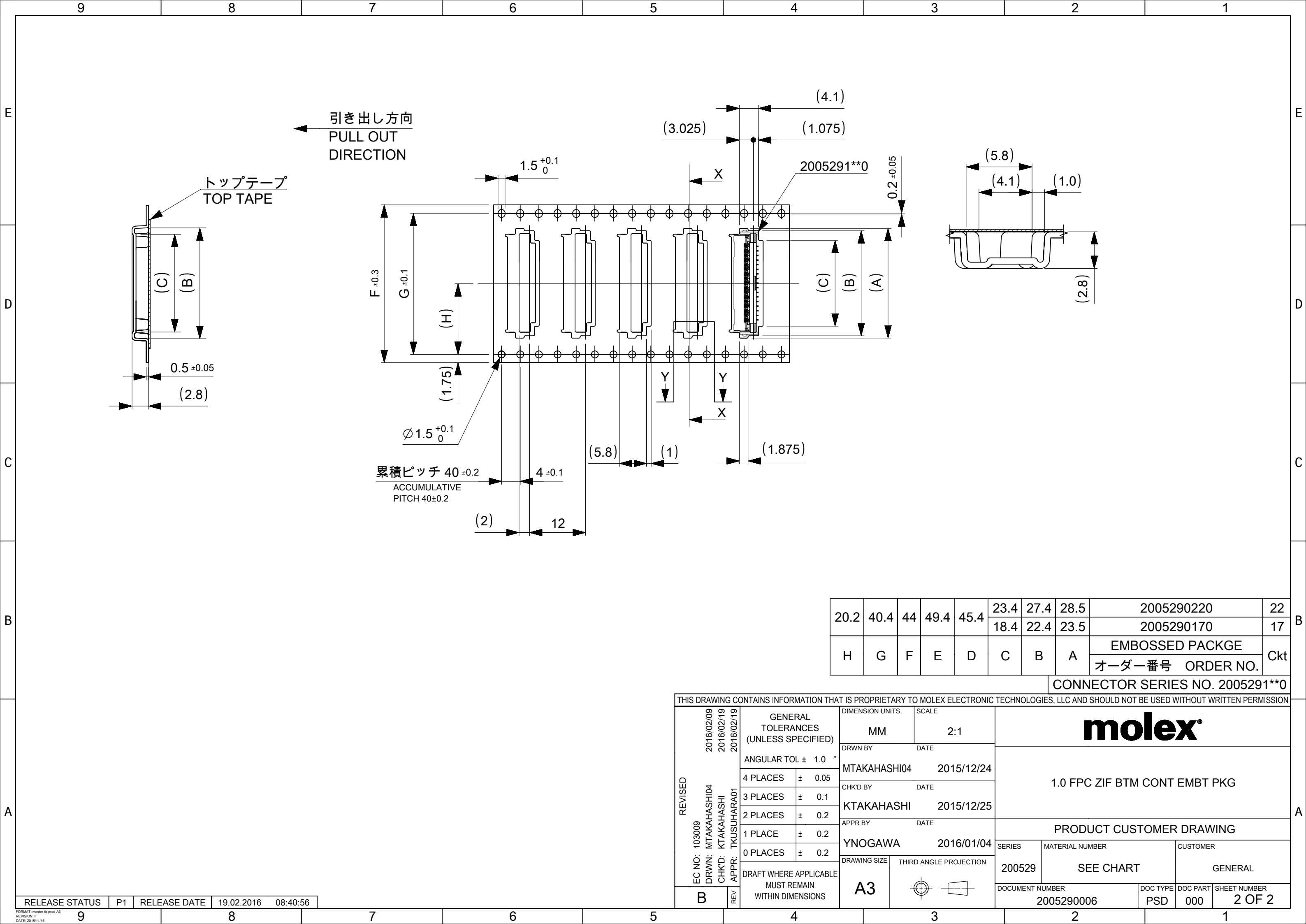
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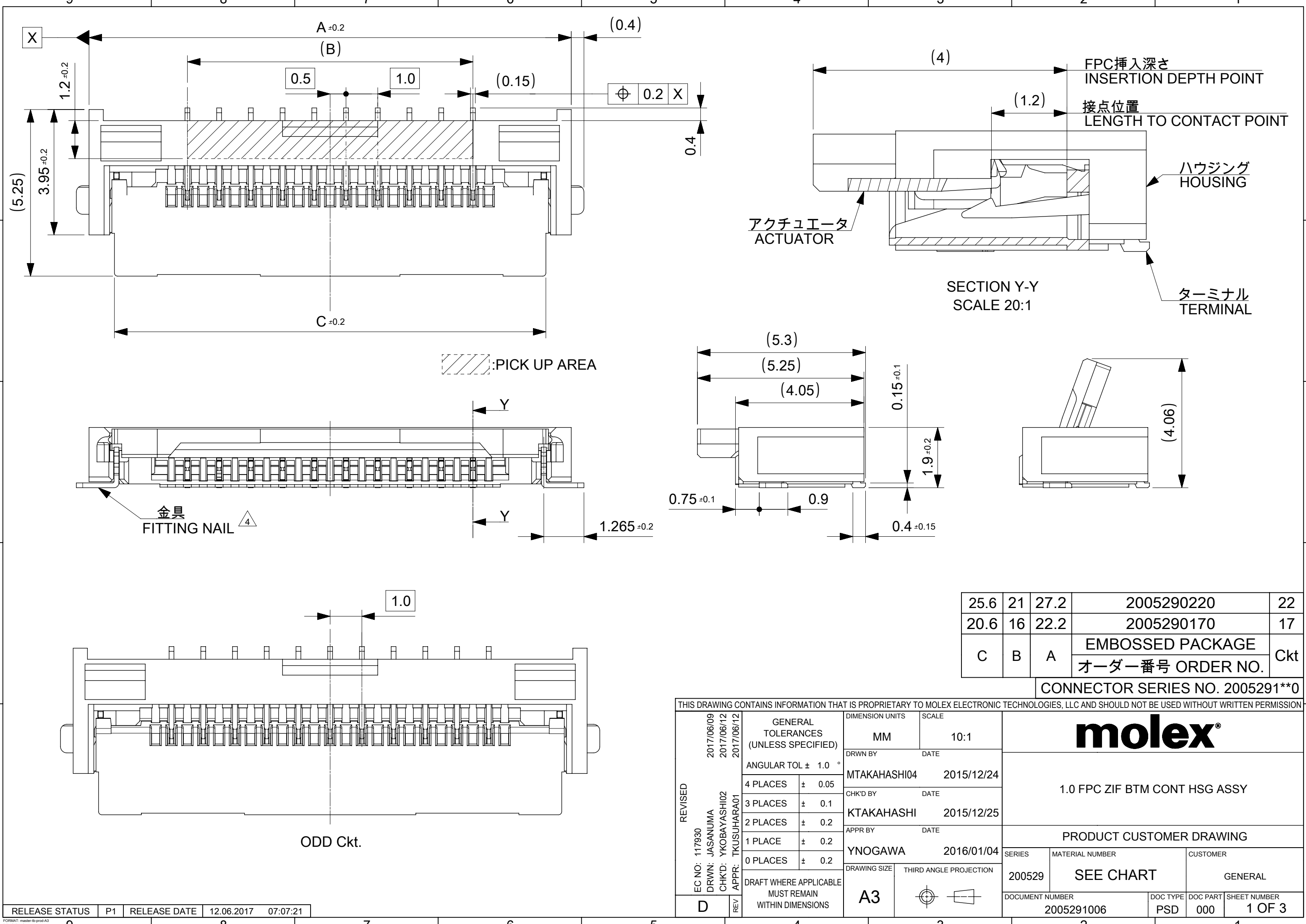


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					18.4	22.4	23.5	2005290170	17
H	G	F	E	D	C	B	A	EMBOSSED PACKGE	Ckt
								オーダー番号 ORDER NO.	

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: 103009 DRWN: MTAKAHASHI04 CHK'D: KTAKAHASHI APPR: TKUSUHARA01	2016/02/09 2016/02/19 2016/02/19	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		<div>molex®</div>							
					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				

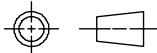
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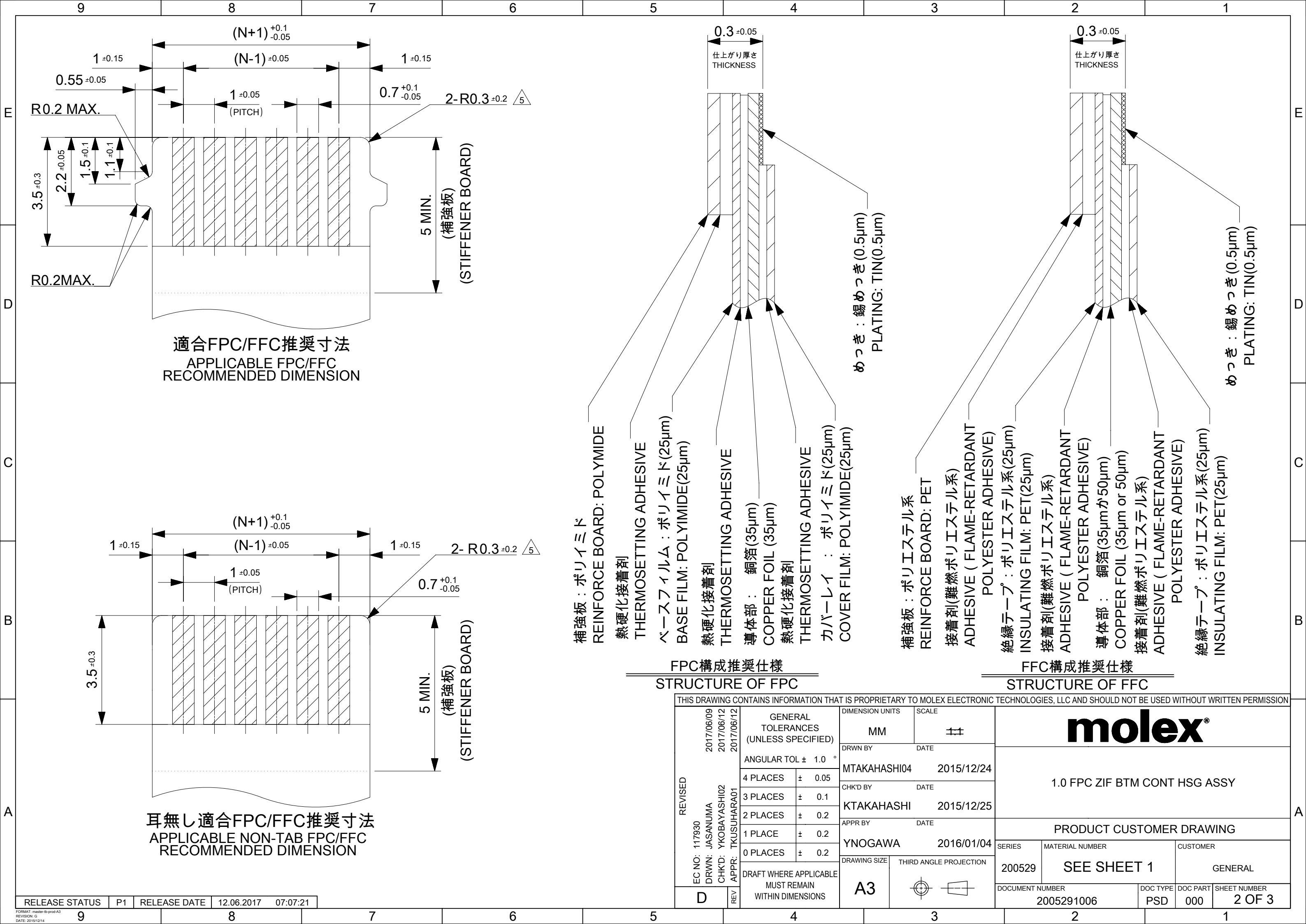
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C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER NO.	Ckt

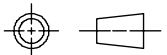
CONNECTOR SERIES NO. 2005291**0

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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		<div>molex®</div>											
						ANGULAR TOL ± 1.0 °		MM		10:1													
						4 PLACES		± 0.05		DRWN BY		DATE		1.0 FPC ZIF BTM CONT HSG ASSY									
						3 PLACES		± 0.1		MTAKAHASHI04		2015/12/24											
						2 PLACES		± 0.2		CHK'D BY		DATE		PRODUCT CUSTOMER DRAWING									
						1 PLACE		± 0.2		KTAKAHASHI		2015/12/25											
						0 PLACES		± 0.2		APPR BY		DATE		SERIES						MATERIAL NUMBER		CUSTOMER	
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														PSD		000		1 OF 3					

RELEASE STATUS	P1	RELEASE DATE	12.06.2017	07:07:21
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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		<div>molex®</div>							
					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		PRODUCT CUSTOMER DRAWING							
			2 PLACES ± 0.2		KTAKAHASHI		2015/12/25									
			1 PLACE ± 0.2		APPR BY		DATE		SERIES 200529							
			0 PLACES ± 0.2		YNOGAWA		2016/01/04						MATERIAL NUMBER SEE SHEET 1		CUSTOMER GENERAL	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		DOCUMENT NUMBER 2005291006		DOC TYPE PSD					
					A3											

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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 :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.

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

±±

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