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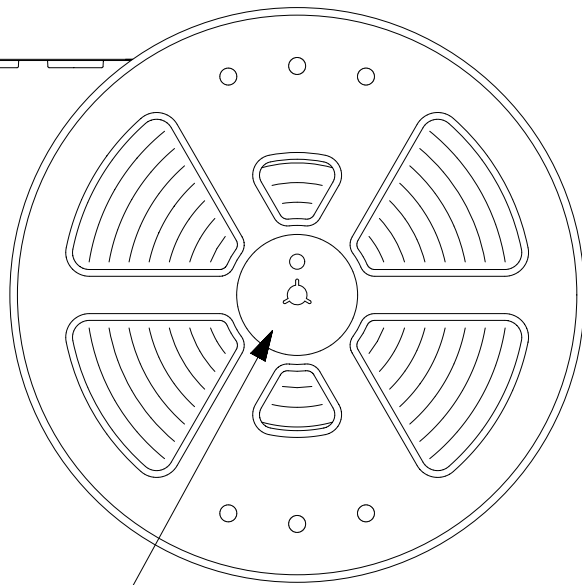
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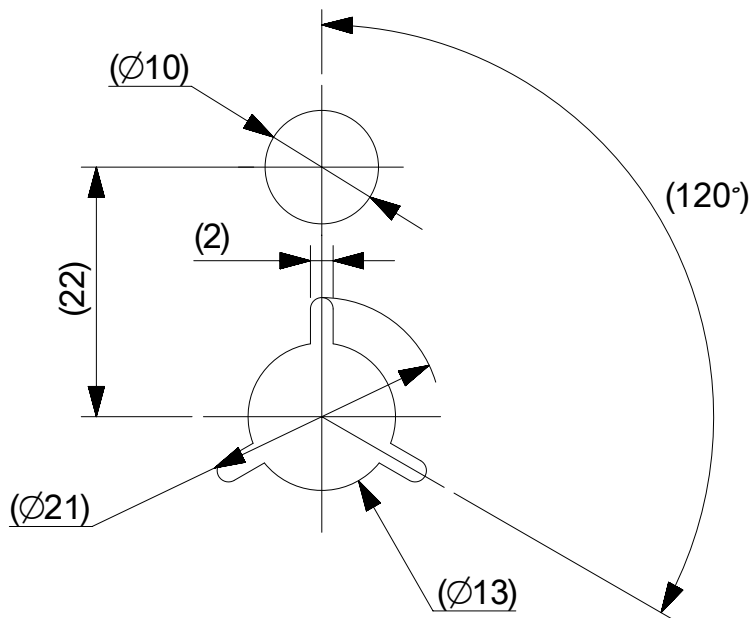
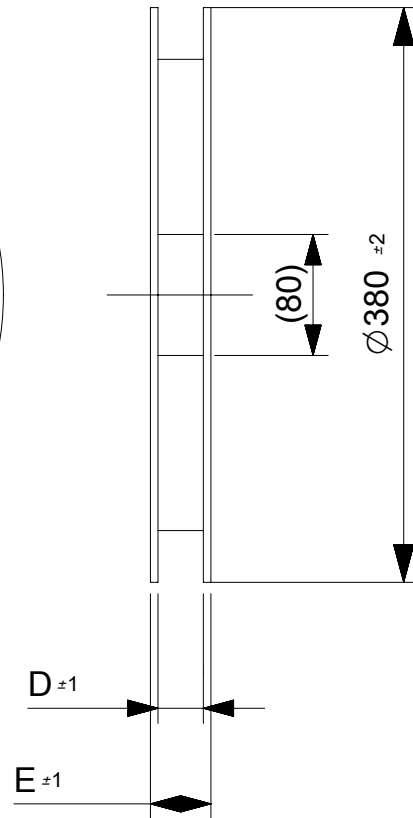
1

引き出し方向

PULL OUT
DIRECTION



"E"



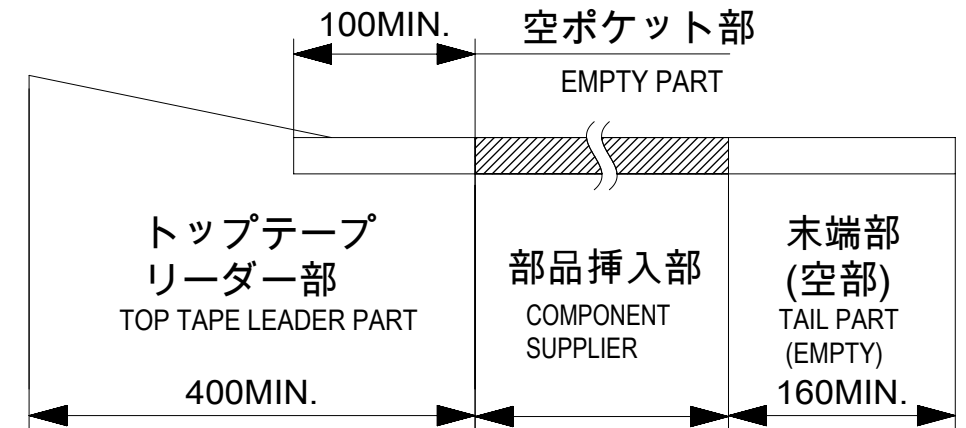
DETAIL "E"

NOTES

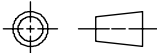
- 梱包数量： 3000個 / リール
NUMBER OF CONNECTORS : 3000 PCS/REEL.
- リードテープ長さ
LEAD TAPE LENGTH

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 2005281000-000を参照下さい。
FOR DIMINTIONS OF PRODUCT, REFER TO 2005281000-000.
- 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>
- 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 2 CONT EMBT PKG						
			4 PLACES ± 0.05	MTAKAHASHI04 2015/12/22									
			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						200528	SEE CHART		GENERAL		
B	REV						DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER		
								2005280000		PSD	000	1 OF 2	

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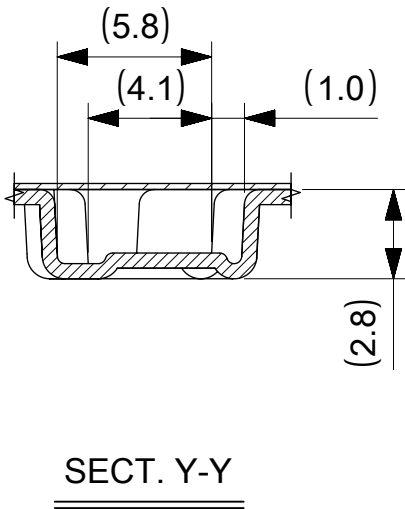
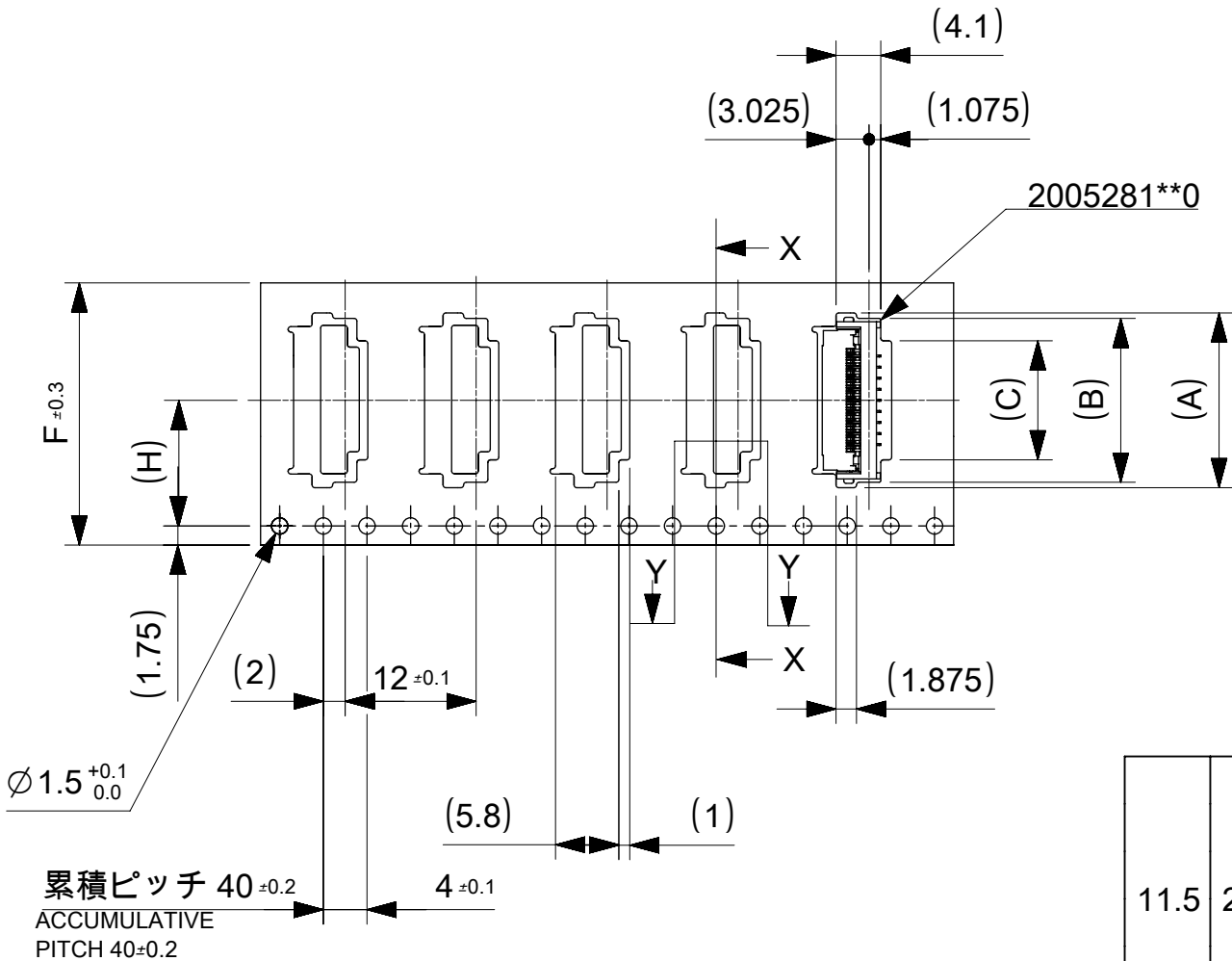
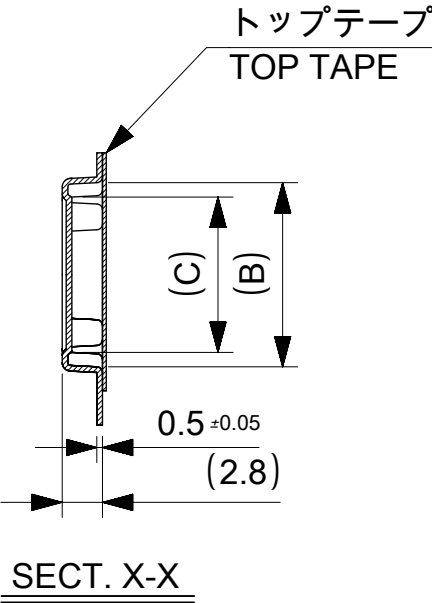
3

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E

引き出し方向
PULL OUT
DIRECTION



11.5	24	29.4	25.4	10.4	14.4	15.5	2005280090	9
				9.4	13.4	14.5	2005280080	8
				8.4	12.4	13.5	2005280070	7
				7.4	11.4	12.5	2005280060	6
				6.4	10.4	11.5	2005280050	5
				5.4	9.4	10.5	2005280040	4
H	F	E	D	C	B	A	EMBOSSED PACKAGE	Ckt
							オーダー番号 ORDER NO.	
							CONNECTER NO. 2005281**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

2015/12/22

DATE

2015/12/25

DATE

2016/01/04

THIRD ANGLE PROJECTION

1.0 FPC ZIF BTM 2 CONT EMBT PKG

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER	
200528	SEE CHART	GENERAL	
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
2005280000	PSD	000	2 OF 2

9

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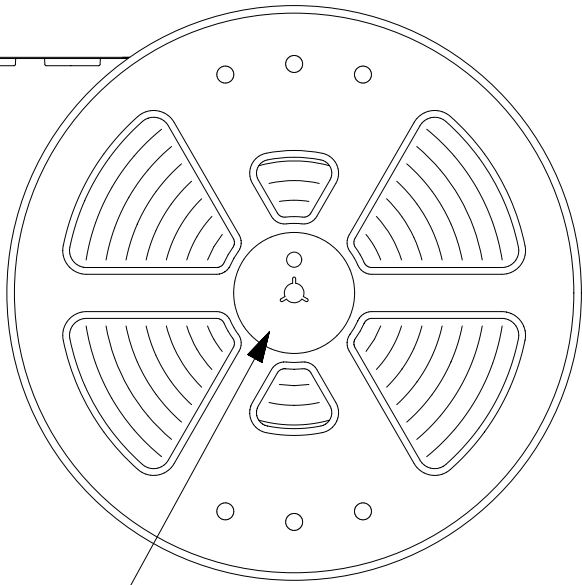
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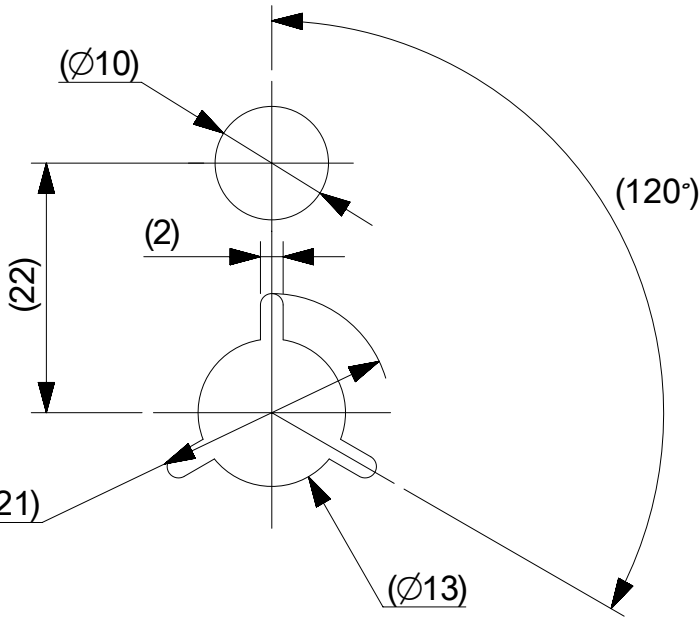
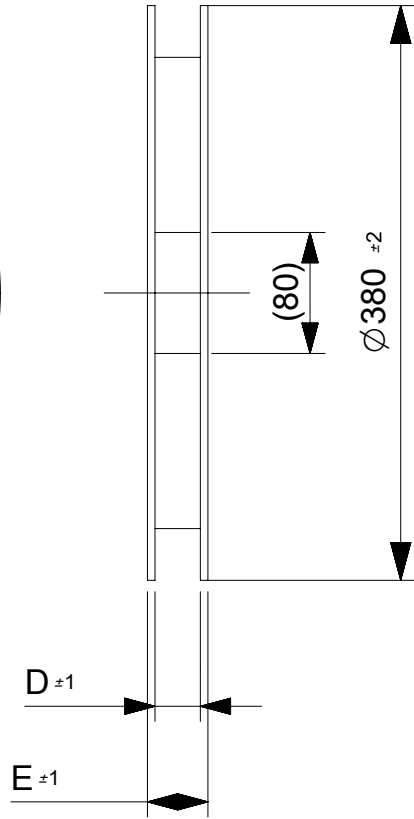
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引き出し方向

PULL OUT
DIRECTION



"E"



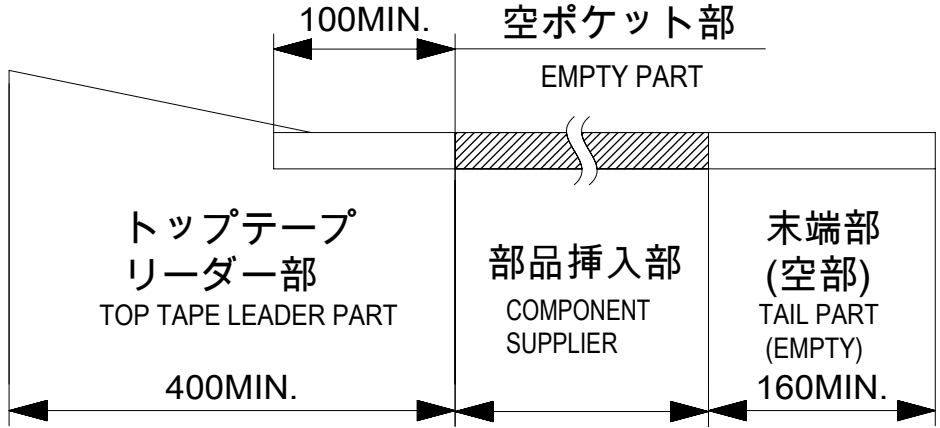
DETAIL "E"

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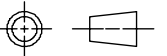
- 梱包数量： 3000個 / リール
NUMBER OF CONNECTORS : 3000 PCS/REEL.
- リードテープ長さ
LEAD TAPE LENGTH

引き出し方向

PULL OUT
DIRECTION



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- 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>
- 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 2 CONT EMBT PKG			
			4 PLACES ± 0.05		MTAKAHASHI04		2015/12/22					
			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 200528			
			0 PLACES ± 0.2		YNOGAWA		2016/01/04					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		CUSTOMER GENERAL			
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B	REV				DOCUMENT NUMBER 2005280006				DOC TYPE PSD	DOC PART 000	SHEET NUMBER 1 OF 2	

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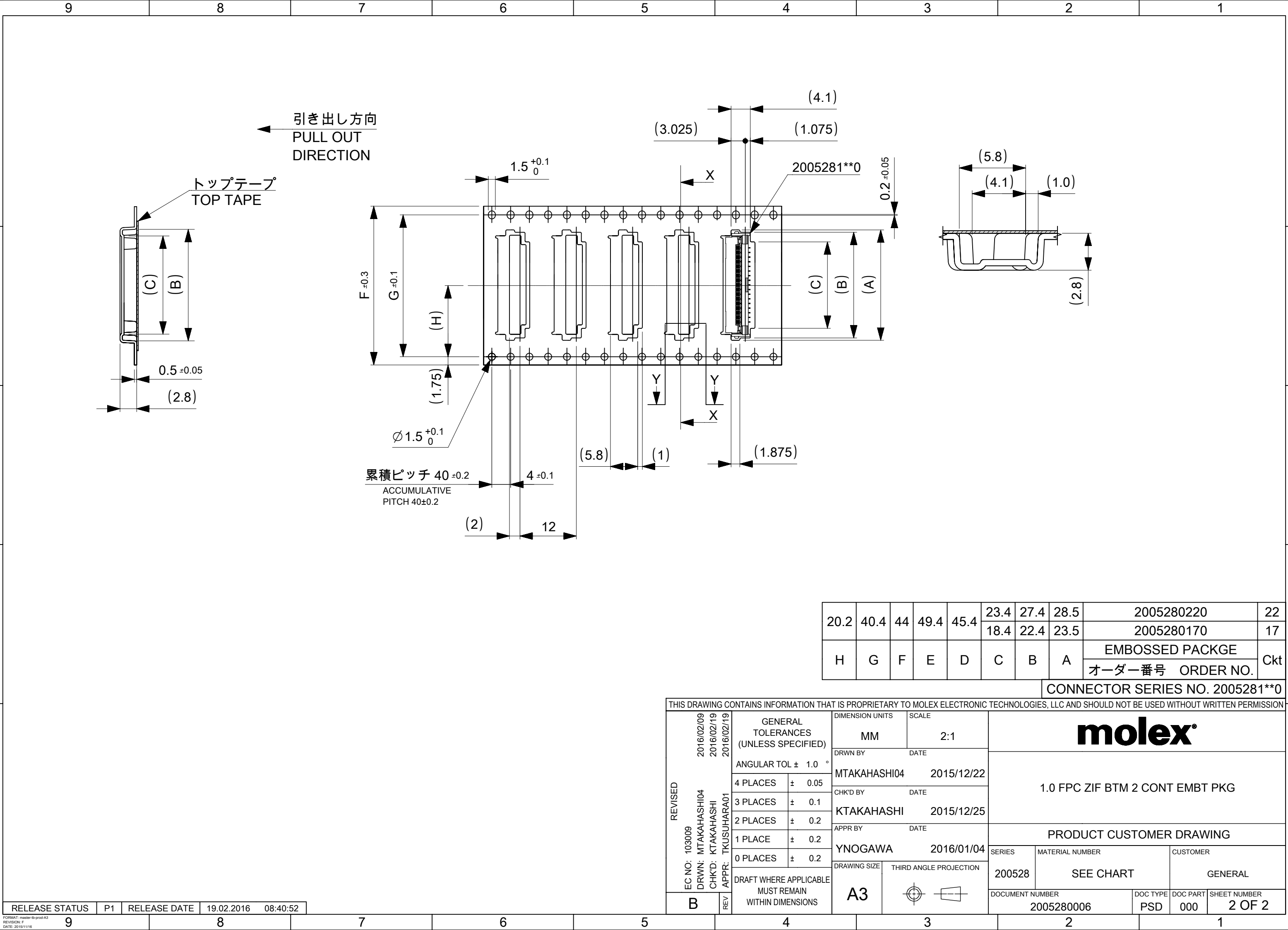
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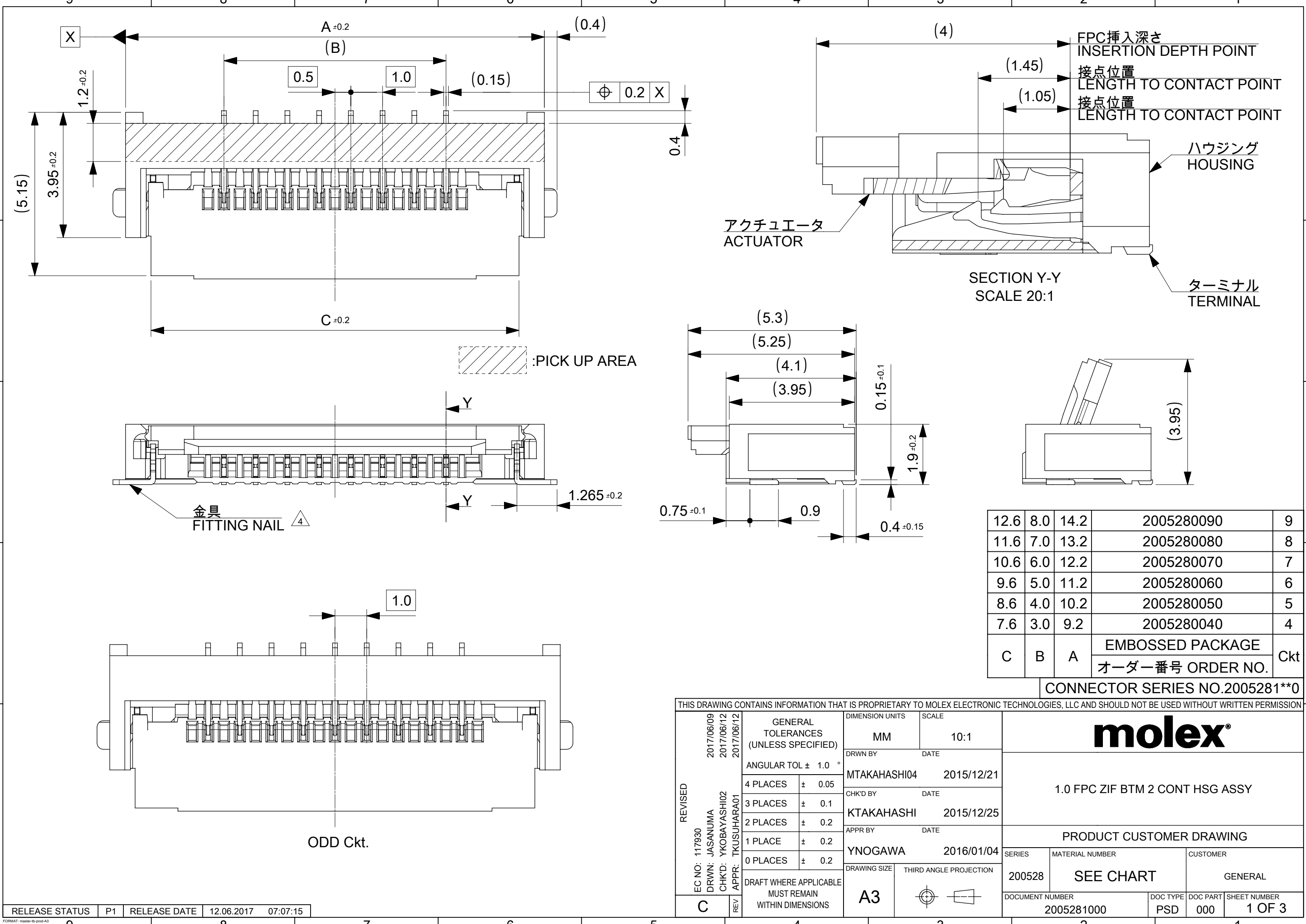
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H	G	F	E	D	C	B	A	EMBOSSED PACKGE	Ckt
								オーダー番号 ORDER NO.	

CONNECTOR SERIES NO. 2005281**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		2016/02/09		2016/02/19		2016/02/19		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex®					
	DRWN: MTAKAHASHI04										MM		2:1							
	CHK'D: KTAKAHASHI								ANGULAR TOL ± 1.0 °		DRWN BY		DATE		1.0 FPC ZIF BTM 2 CONT EMBT PKG					
	APPR: TKUSUHARA01								4 PLACES ± 0.05		MTAKAHASHI04		2015/12/22							
									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 MATERIAL NUMBER CUSTOMER					
									0 PLACES ± 0.2		YNOGAWA		2016/01/04							
									DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		DOCUMENT NUMBER DOC TYPE DOC PART SHEET NUMBER					
											A3									

RELEASE STATUS	P1	RELEASE DATE	19.02.2016	08:40:52
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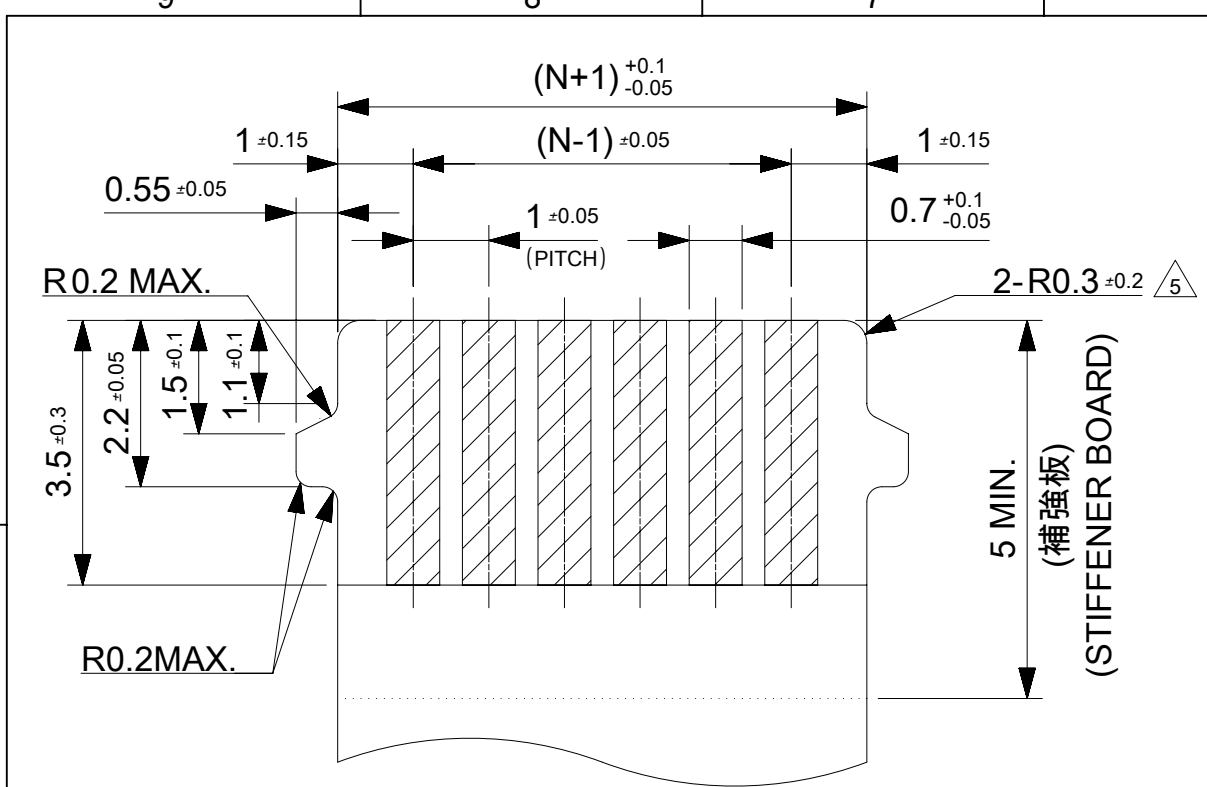


12.6	8.0	14.2	2005280090	9
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10.6	6.0	12.2	2005280070	7
9.6	5.0	11.2	2005280060	6
8.6	4.0	10.2	2005280050	5
7.6	3.0	9.2	2005280040	4
C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER NO.	Ckt

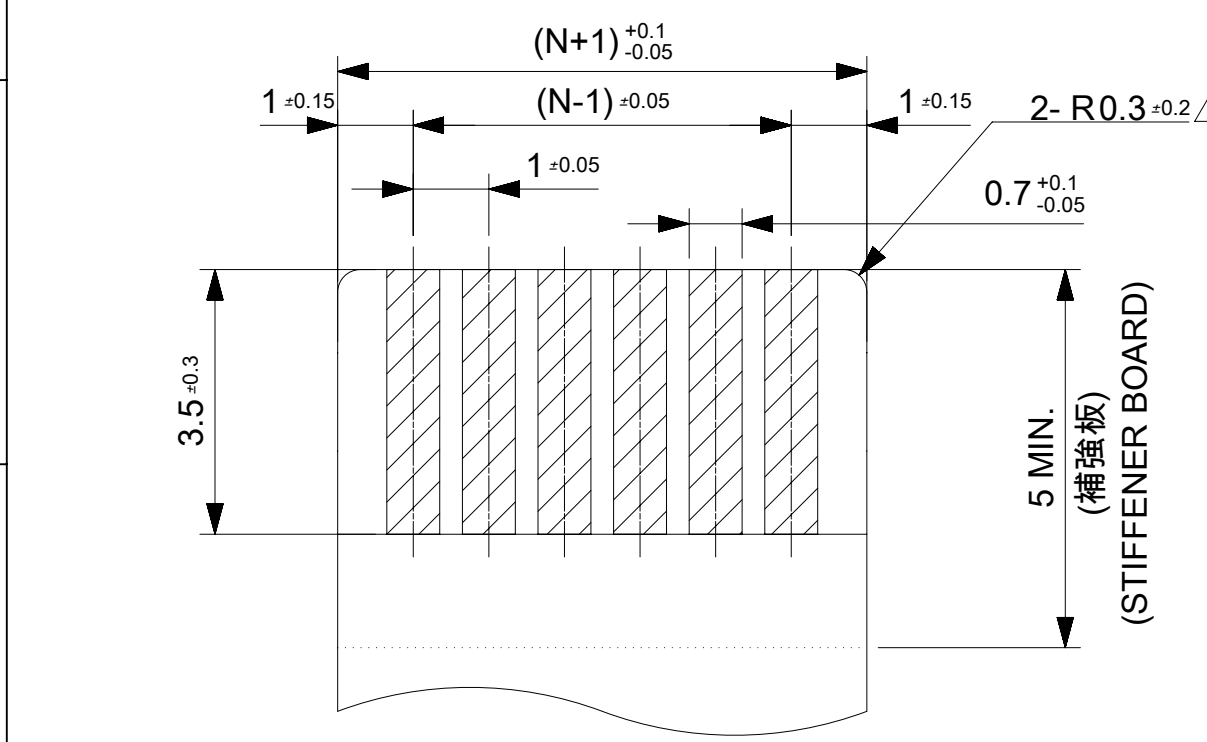
CONNECTOR SERIES NO.2005281**0

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)		DIMENSION UNITS		SCALE		molex® 1.0 FPC ZIF BTM 2 CONT HSG ASSY																							
					MM		10:1																									
			ANGULAR TOL ± 1.0 °		DRWN BY		DATE		PRODUCT CUSTOMER DRAWING <table><tr><td>SERIES</td><td colspan="2">MATERIAL NUMBER</td><td colspan="2">CUSTOMER</td></tr><tr><td>200528</td><td colspan="2">SEE CHART</td><td colspan="2">GENERAL</td></tr><tr><td colspan="2">DOCUMENT NUMBER</td><td>DOC TYPE</td><td>DOC PART</td><td>SHEET NUMBER</td></tr><tr><td colspan="2">2005281000</td><td>PSD</td><td>000</td><td>1 OF 3</td></tr></table>				SERIES	MATERIAL NUMBER		CUSTOMER		200528	SEE CHART		GENERAL		DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER	2005281000		PSD	000	1 OF 3
			SERIES	MATERIAL NUMBER		CUSTOMER																										
			200528	SEE CHART		GENERAL																										
			DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER																									
			2005281000		PSD	000	1 OF 3																									
			4 PLACES ± 0.05		MTAKAHASHI04		2015/12/21																									
			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																												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION																												
		A3																														

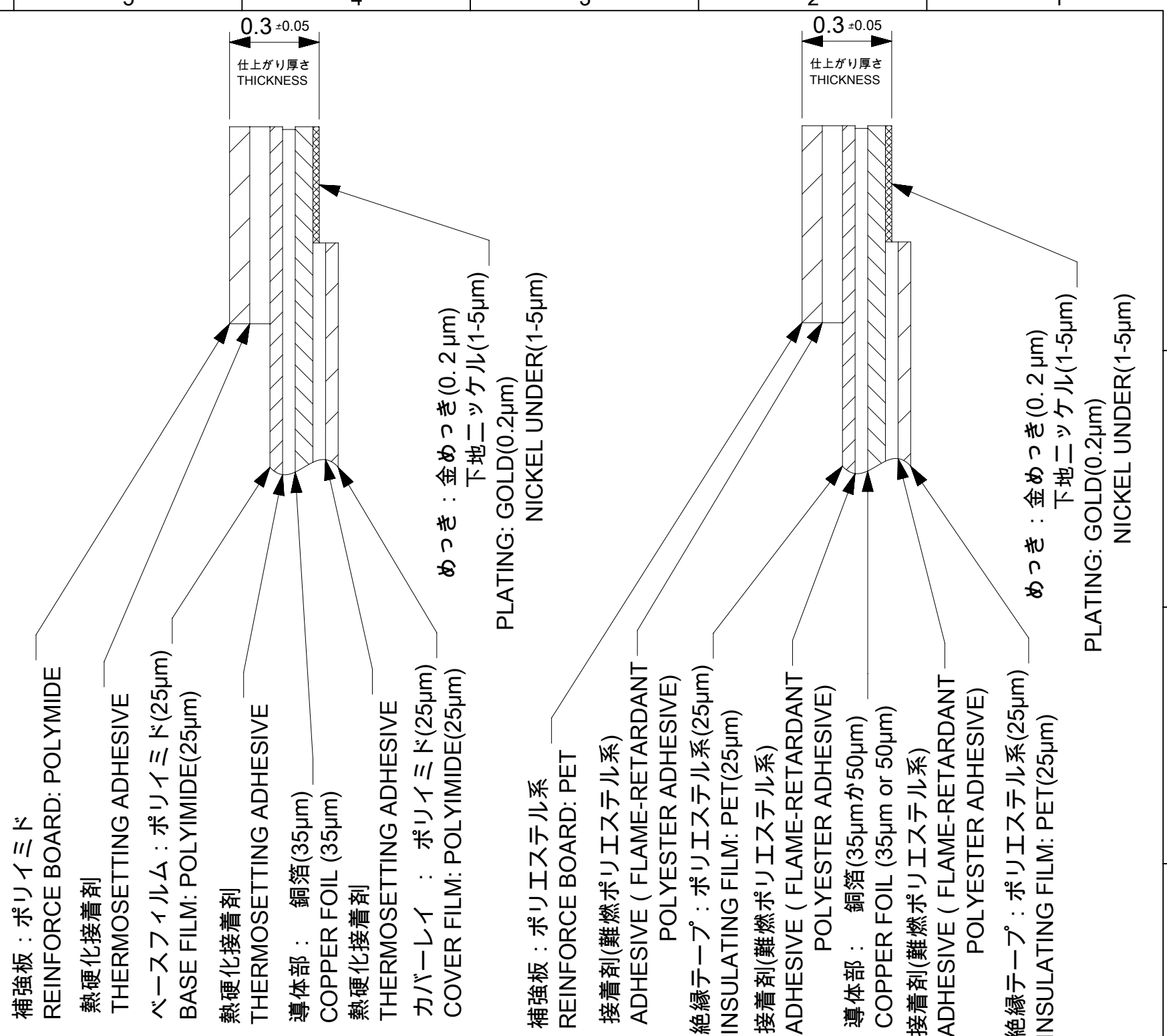
RELEASE STATUS	P1	RELEASE DATE	12.06.2017	07:07:15
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適合FPC/FFC推奨寸法
APPLICABLE FPC/FFC
RECOMMENDED DIMENSION

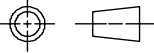


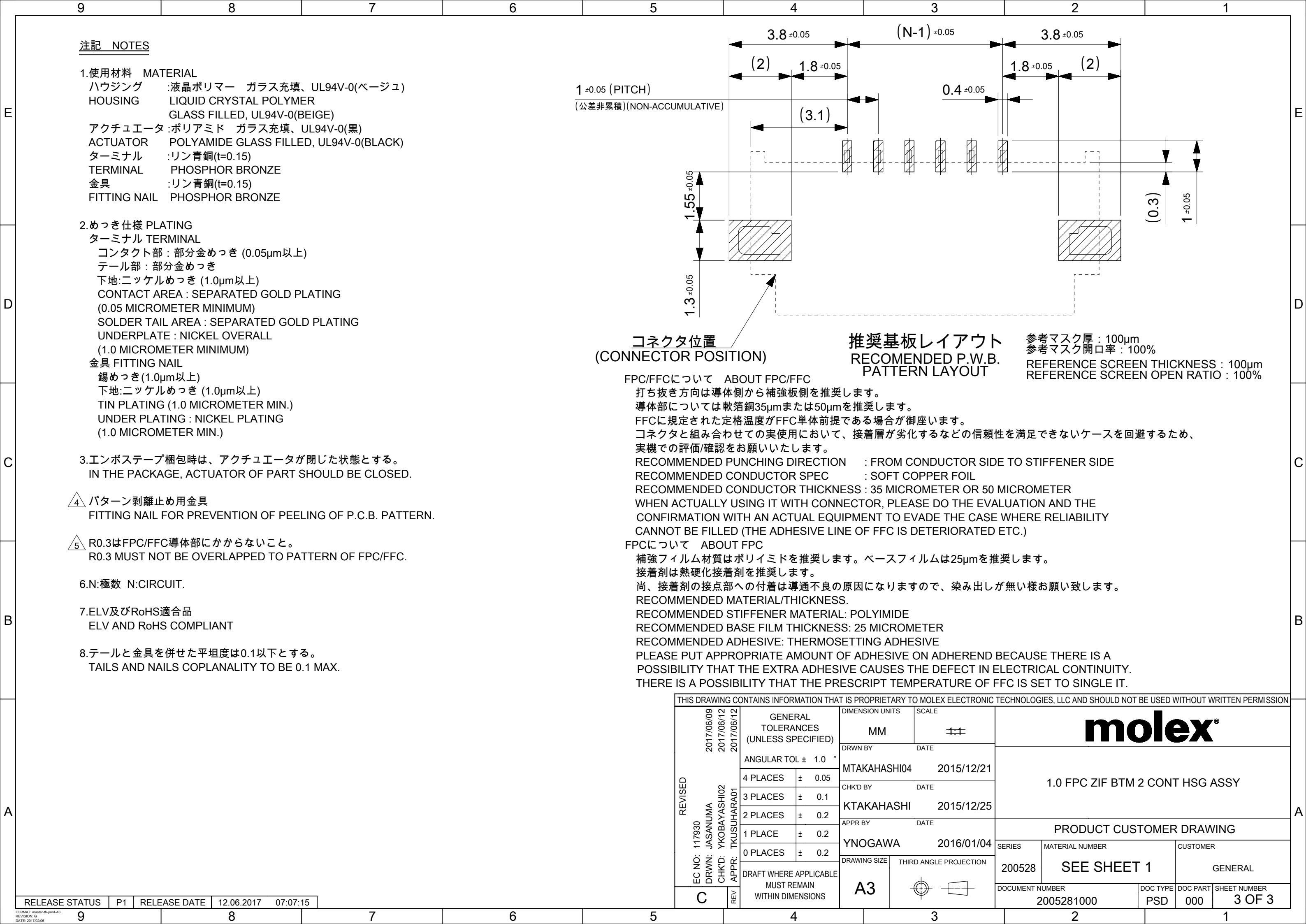
耳無し適合FPC/FFC推奨寸法
APPLICABLE NON-TAB FPC/FFC
RECOMMENDED DIMENSION

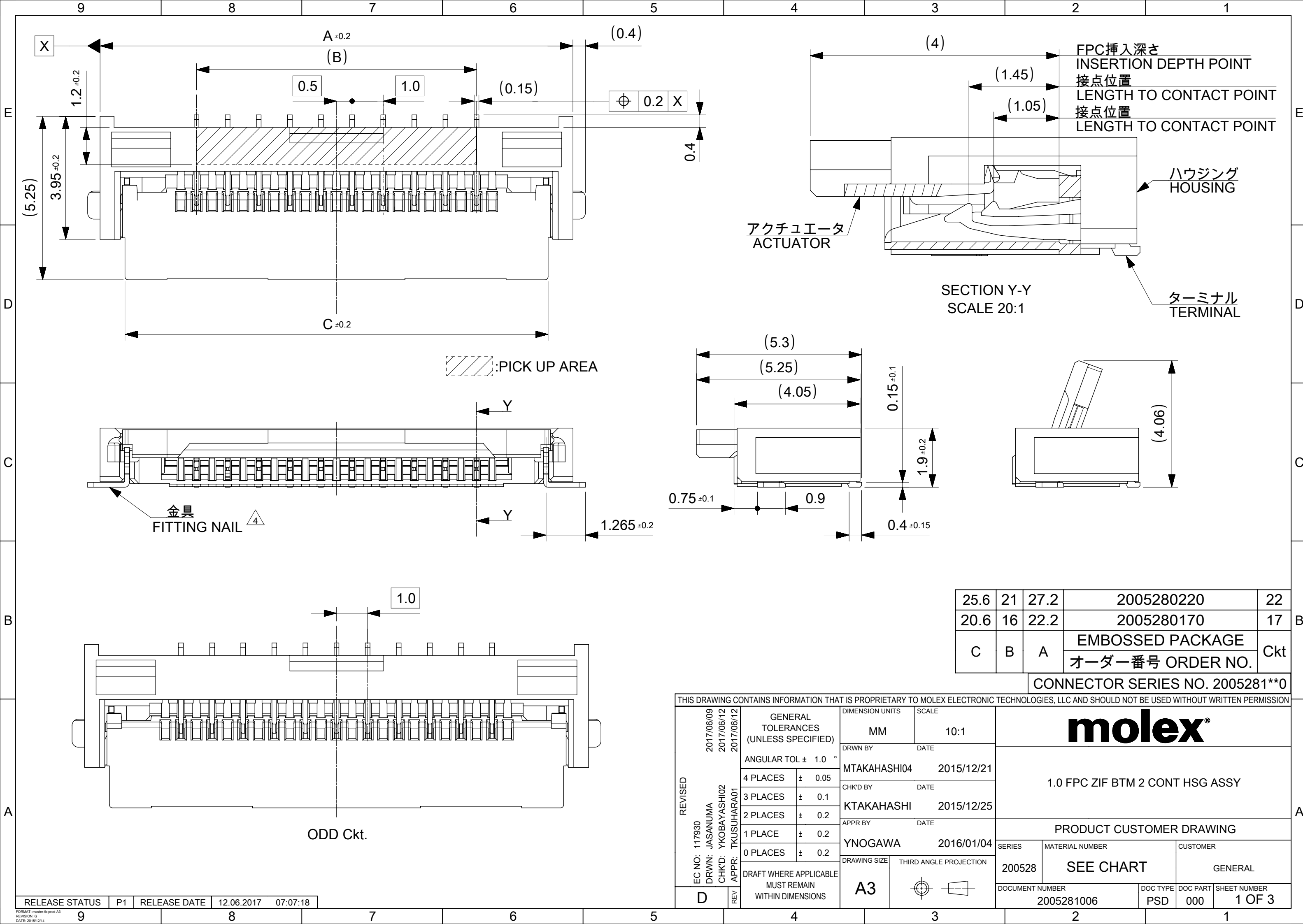


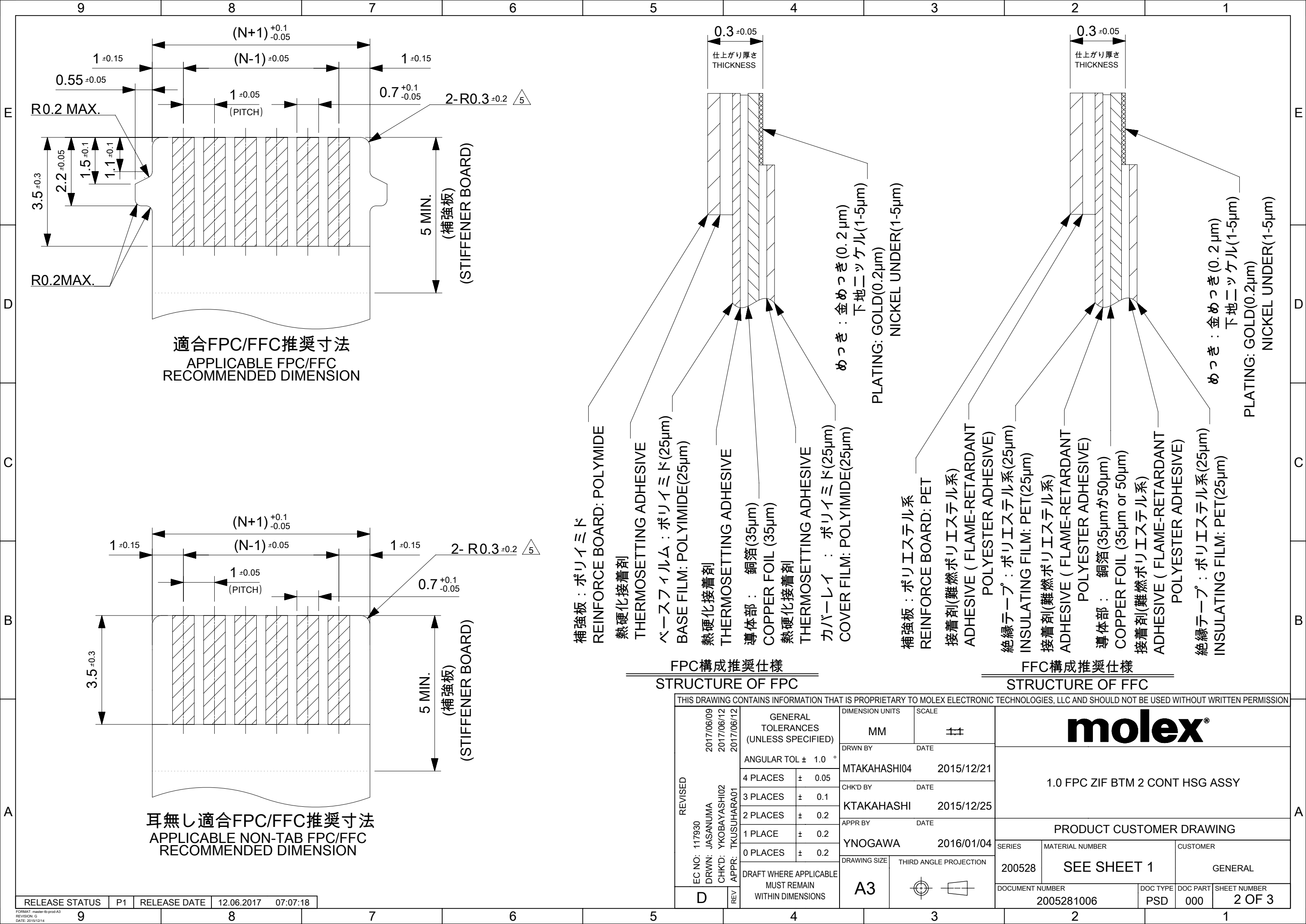
FPC構成推奨仕様
STRUCTURE OF FPC

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		molex® 1.0 FPC ZIF BTM 2 CONT HSG ASSY PRODUCT CUSTOMER DRAWING									
						MM													
			ANGULAR TOL ± 1.0 °			DRWN BY		DATE							1.0 FPC ZIF BTM 2 CONT HSG ASSY				
						MTAKAHASHI04		2015/12/21											
			4 PLACES		±	0.05	CHK'D BY		DATE		1.0 FPC ZIF BTM 2 CONT HSG ASSY								
			3 PLACES		±	0.1	KTAKAHASHI		2015/12/25										
			2 PLACES		±	0.2	APPR BY		DATE		PRODUCT CUSTOMER DRAWING								
			1 PLACE		±	0.2	YNOGAWA		2016/01/04										
			0 PLACES		±	0.2	DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		CUSTOMER				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		A3				200528		SEE SHEET 1		GENERAL						
DOCUMENT NUMBER		DOC TYPE							DOC PART		SHEET NUMBER								
C	REV							2005281000		PSD		000		2 OF 3					







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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 2 CONT HSG ASSY							
			4 PLACES	± 0.05	MTAKAHASHI04		2015/12/21									
			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			
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					DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER					
D	REV						2005281006		PSD		000		2 OF 3			

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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(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

コンタクト部：部分金めっき (0.1μm以上)

テール部：部分金めっき

下地:ニッケルめっき (1.0μm以上)

CONTACT AREA：SEPARATED GOLD PLATING

(0.05 MICROMETER MINIMUM)

SOLDER TAIL AREA：SEPARATED GOLD PLATING

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

1 ±0.05

(0.3)

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

2015/12/21

DATE

2015/12/25

DATE

2016/01/04

THIRD ANGLE PROJECTION

molex®

1.0 FPC ZIF BTM 2 CONT HSG ASSY

PRODUCT CUSTOMER DRAWING

SERIES

200528

MATERIAL NUMBER

SEE SHEET 1

CUSTOMER

GENERAL

DOCUMENT NUMBER

2005281006

DOC TYPE

PSD

DOC PART

000

SHEET NUMBER

3 OF 3

RELEASE STATUS

P1

RELEASE DATE

12.06.2017

07:07:18

9

8

7

6

5

4

3

2

1