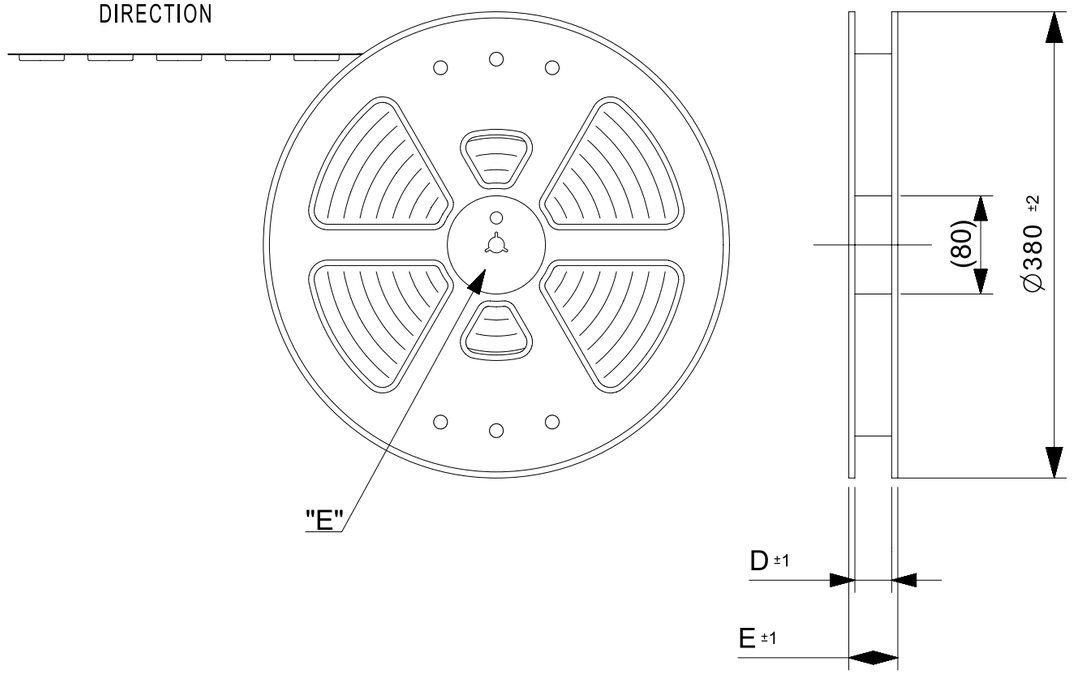
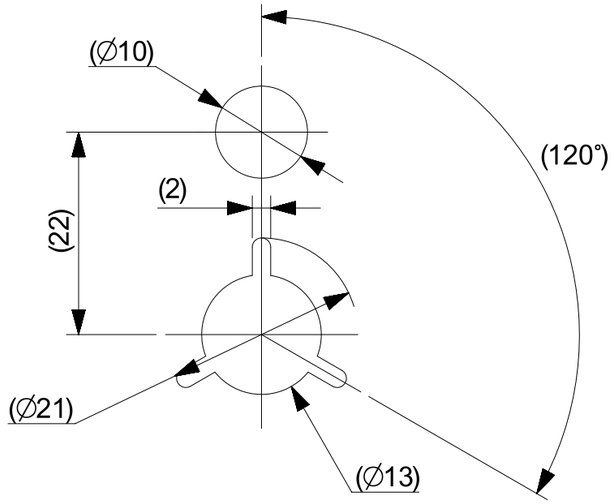
引き出し方向

PULL OUT
DIRECTION





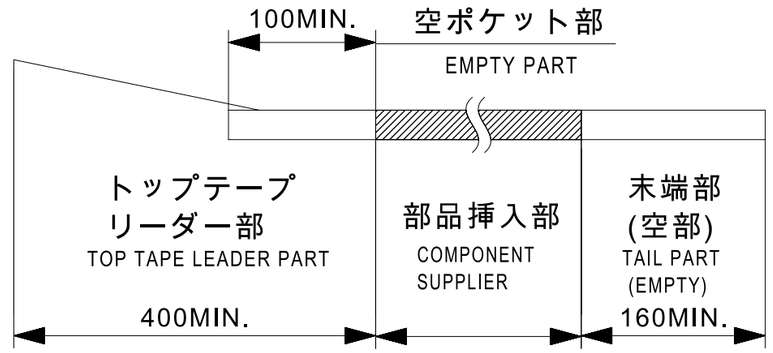
DETAIL "E"

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　5051101001-000を参照下さい。
   FOR DIMENTIONS OF PRODUCT, REFER TO 5051101001-000.
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 >
   REEL : POLYSTYRENE < RECYCLE MATERIAL CONTAINED >
6. ELV及びRoHS適合品　ELV AND RoHS COMPLIANT.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

EC DESCRIPTION
EC NO: 100528 2015/06/30
DRWN: NKONDO 2015/06/30
CHK'D: KTAKAHASHI 2015/06/30
APPR: KMORIKAWA 2015/06/30

REV: A

QUALITY SYMBOLS
F = 0
E = 0
D = 0
C = 0
B = 0
A = 0

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
SCALE	2:1
DRWN BY	FSATO
DATE	2015/04/30
CHK'D BY	KTAKAHASHI
DATE	2015/06/30
APPR BY	
DATE	
DRAWING SIZE	A3
THIRD ANGLE PROJECTION	

molex

0.5 FPC CONN ZIF E/O 2 CONT TYPE EMB PKG

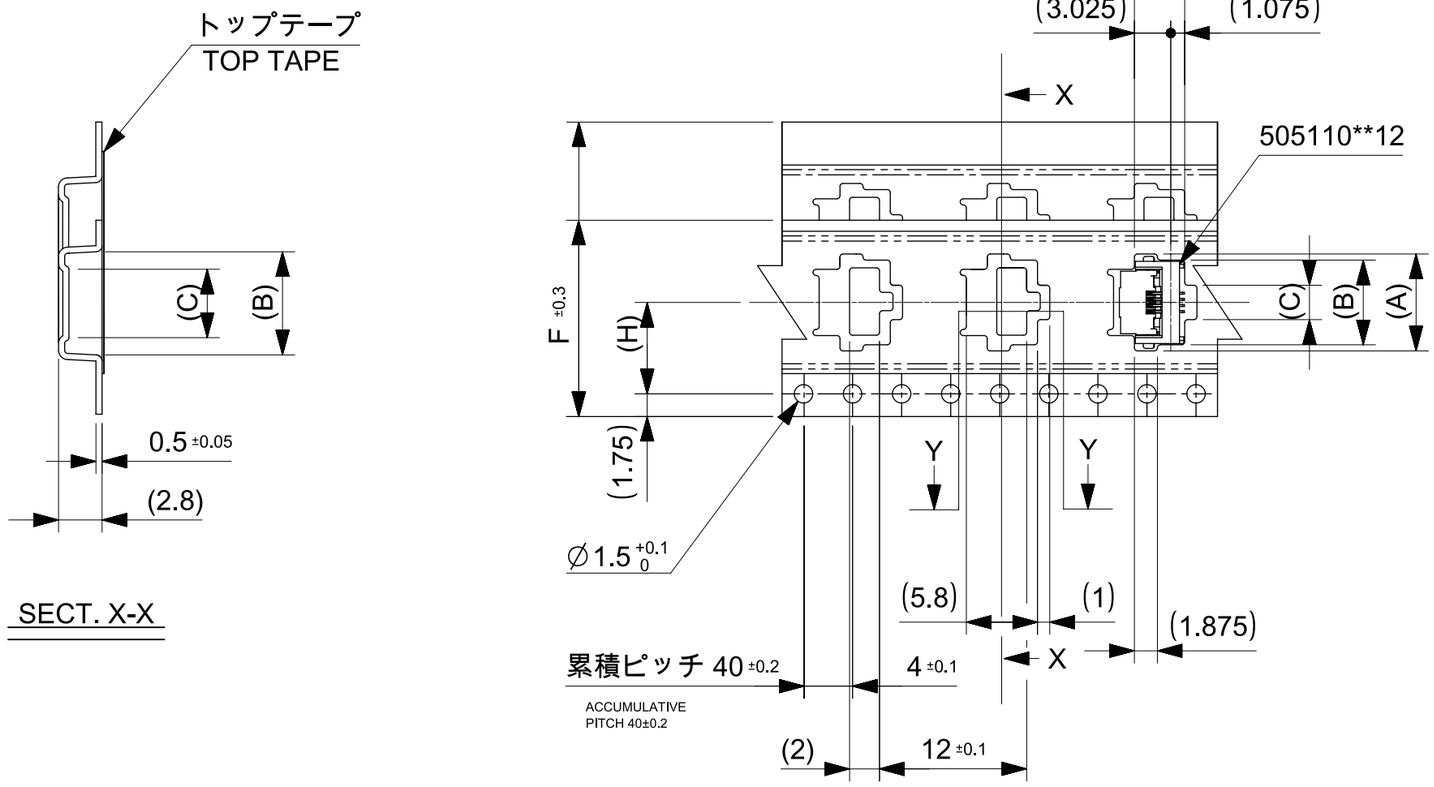
PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
505110	SEE SHEET 2	GENERAL

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
5051100001	PSD	000	1 OF 2

引き出し方向

PULL OUT DIRECTION



				10.4	14.4	15.5	5051101992	19
				9.9	13.9	15.0	5051101892	18
				9.4	13.4	14.5	5051101792	17
				8.9	12.9	14.0	5051101692	16
				8.4	12.4	13.5	5051101592	15
				7.9	11.9	13.0	5051101492	14
				7.4	11.4	12.5	5051101392	13
11.5	24	29.4	25.4	6.9	10.9	12.0	5051101292	12
				6.4	10.4	11.5	5051101192	11
				5.9	9.9	11.0	5051101092	10
				5.4	9.4	10.5	5051100992	9
				4.9	8.9	10.0	5051100892	8
				4.4	8.4	9.5	5051100792	7
				3.9	7.9	9.0	5051100692	6
				3.4	7.4	8.5	5051100592	5
7.5	16	21.4	17.4	2.9	6.9	8.0	5051100492	4
H	F	E	D	C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER NO.	Ckt

CONNECTOR NO. 505110**12

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

EC DESCRIPTION
EC NO: 100528 2015/06/30
DRWN: NKONDO 2015/06/30
CHK'D: KTAKAHASHI 2015/06/30
APPR: KMORIKAWA 2015/06/30
REV: A

QUALITY SYMBOLS
= 0
= 0
= 0
= 0
= 0
= 0
= 0
= 0
= 0

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
SCALE: 2:1
DRWN BY: FSATO DATE: 2015/04/30
CHK'D BY: KTAKAHASHI DATE: 2015/06/30
APPR BY: DATE
DRAWING SIZE: A3
THIRD ANGLE PROJECTION

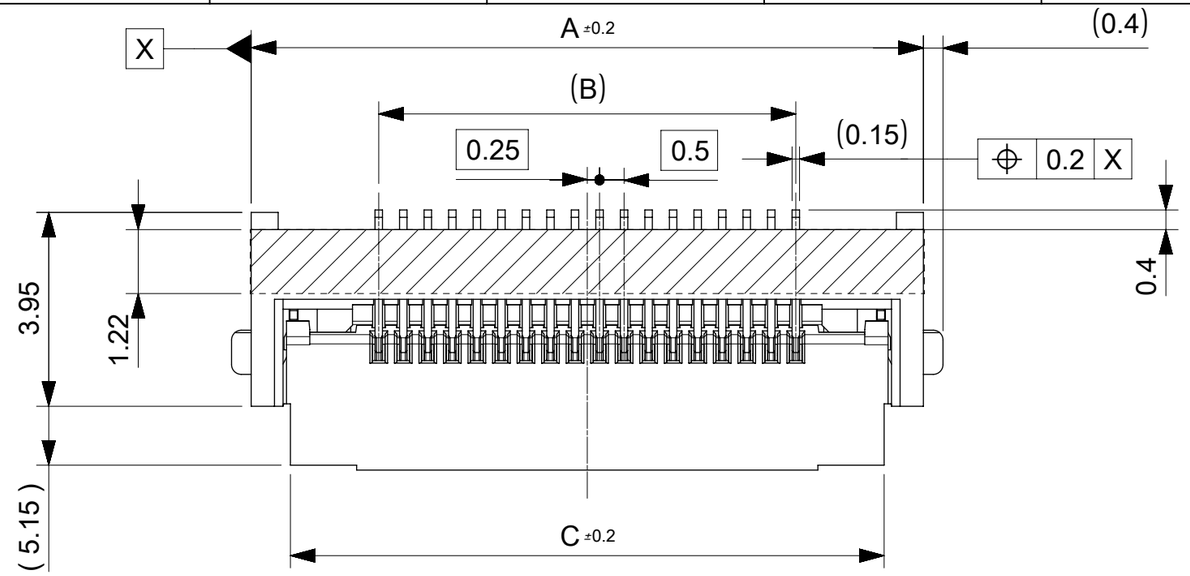
molex

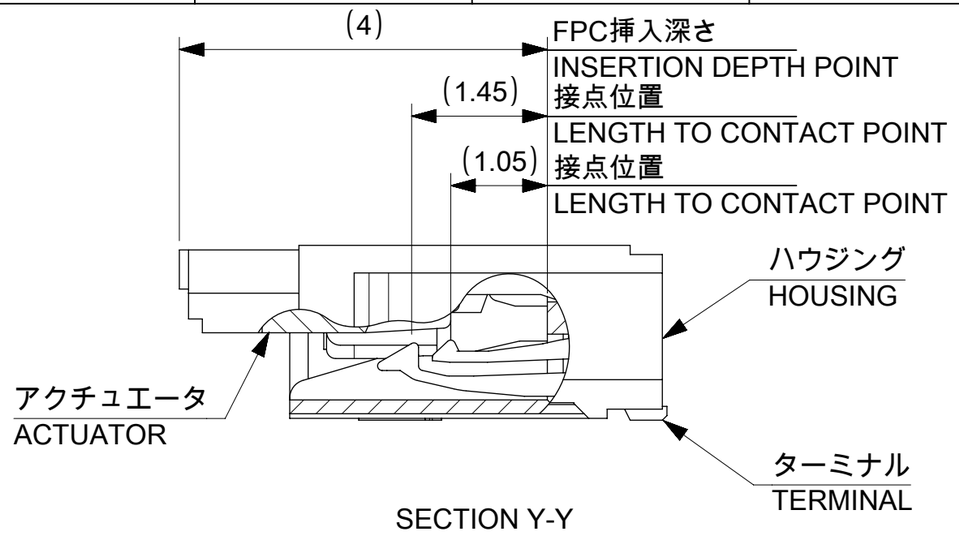
0.5 FPC CONN ZIF E/O 2 CONT TYPE EMB PKG

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
505110	SEE CHART	GENERAL

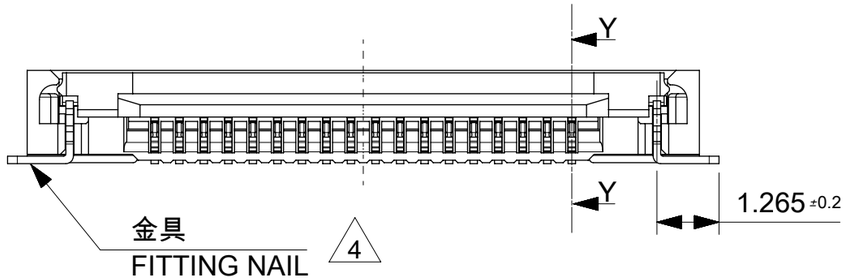
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
5051100001	PSD	000	2 OF 2

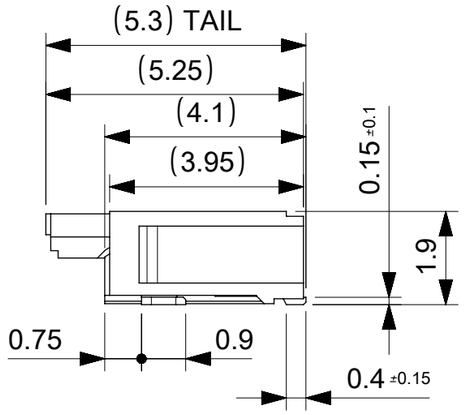


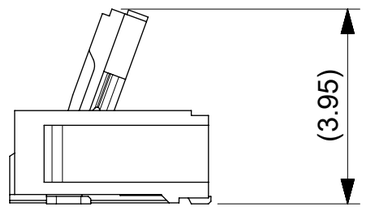


SECTION Y-Y
SCALE 15:1

:PICK UP AREA







12.6	9.0	14.2	5051101992	19
12.1	8.5	13.7	5051101892	18
11.6	8.0	13.2	5051101792	17
11.1	7.5	12.7	5051101692	16
10.6	7.0	12.2	5051101592	15
10.1	6.5	11.7	5051101492	14
9.6	6.0	11.2	5051101392	13
9.1	5.5	10.7	5051101292	12
8.6	5.0	10.2	5051101192	11
8.1	4.5	9.7	5051101092	10
7.6	4.0	9.2	5051100992	9
7.1	3.5	8.7	5051100892	8
6.6	3.0	8.2	5051100792	7
6.1	2.5	7.7	5051100692	6
5.6	2.0	7.2	5051100592	5
5.1	1.5	6.7	5051100492	4
C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER NO.	Ckt

CONNECTOR SERIES NO. 505110** 1 2

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

REVISED
EC NO: 117930 2017/06/09
DRWN: JASANUMA 2017/06/12
CHK'D: YKOBAYASHI02 2017/06/12
APPR: TKUSUHARA01

REV
B

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	SCALE
MM	8:1
DRWN BY	DATE
FSATO	2015/04/30
CHK'D BY	DATE
KTAKAHASHI	2015/06/30
APPR BY	DATE
KMORIKAWA	2015/06/30
DRAWING SIZE	THIRD ANGLE PROJECTION
A3	

molex®

0.5 FPC CONN ZIF E/O 2CONT TYPE HSG ASSY

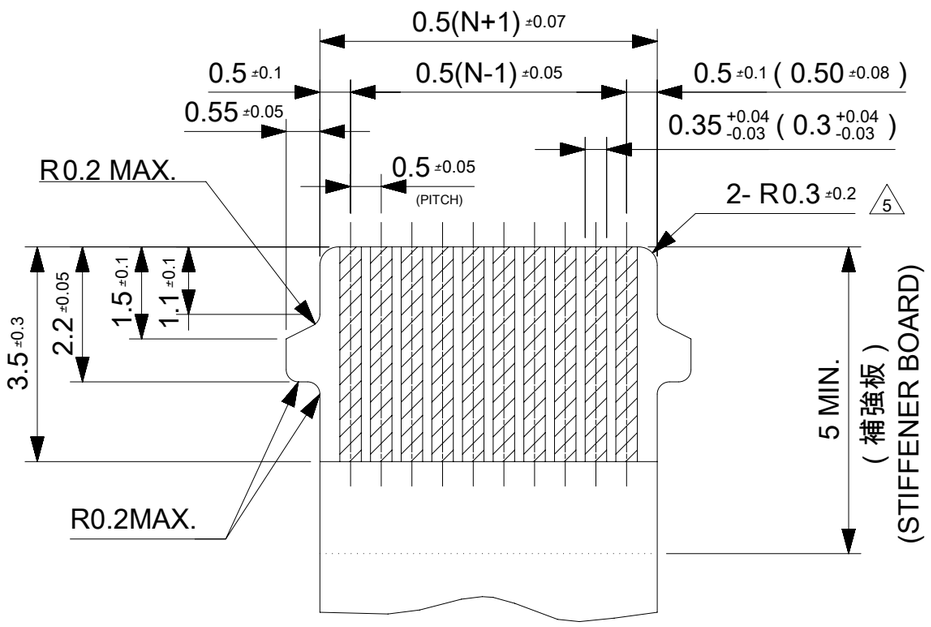
PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
505110	SEE CHART	GENERAL

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
5051101001	PSD	000	1 OF 3

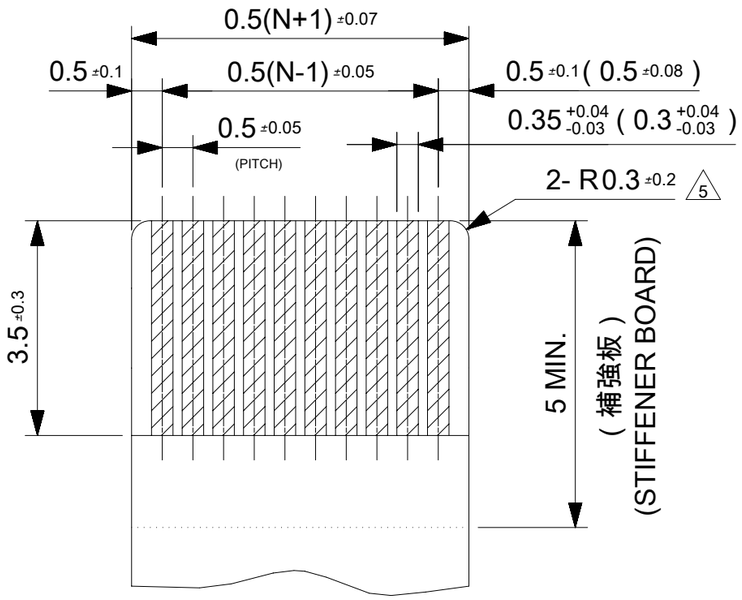
RELEASE STATUS	P1	RELEASE DATE	12.06.2017 07:07:23

FORMAT: master-lb-prod-A3
REVISION: G
DATE: 2017/02/06



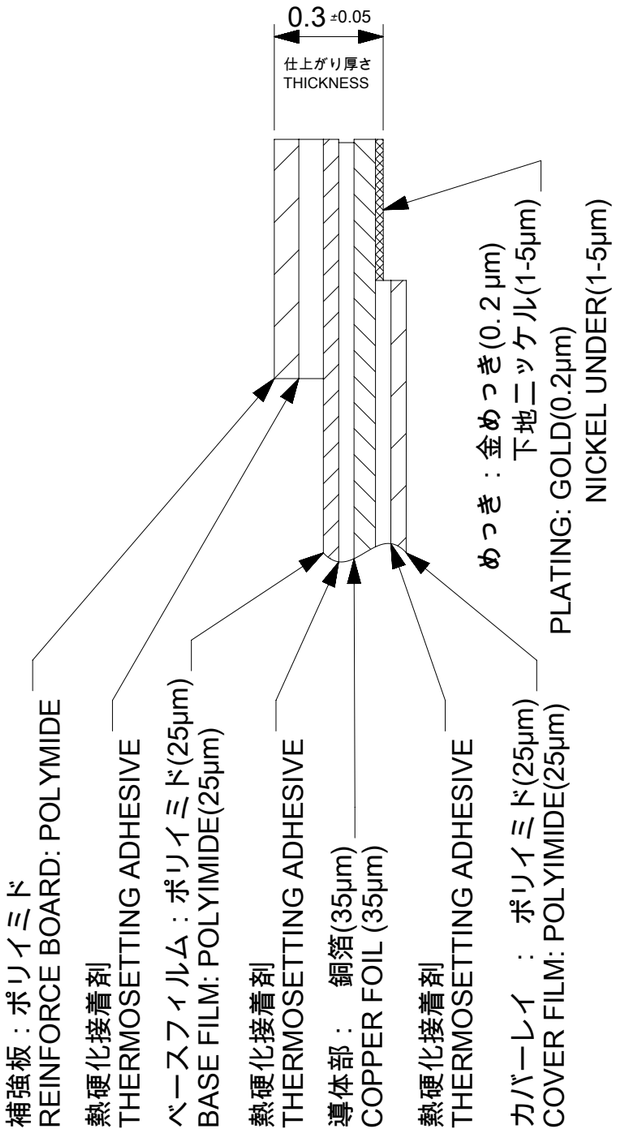
適合FPC/FFC推奨寸法
APPLICABLE FPC/FFC
RECOMMENDED DIMENSION

():FFCに適応
():APPLY TO FFC

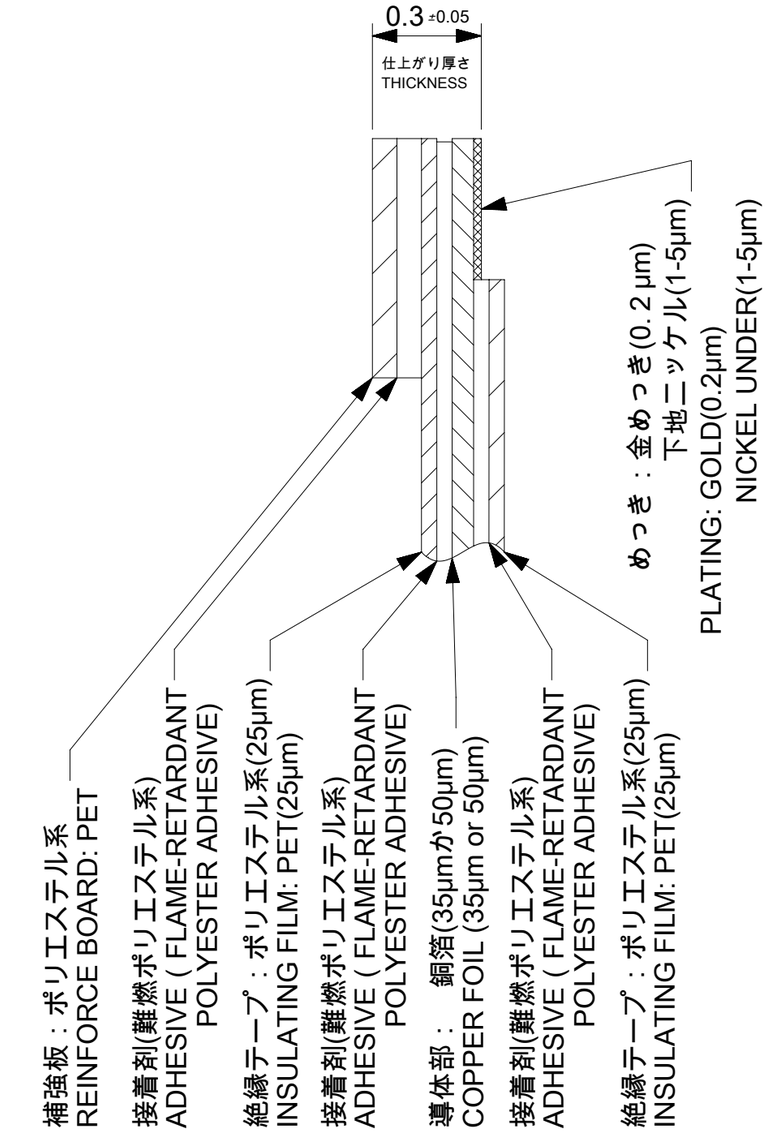


耳無し適合FPC/FFC推奨寸法
APPLICABLE NON-TAB FPC/FFC
RECOMMENDED DIMENSION

():FFCに適応
():APPLY TO FFC



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 2017/06/09
DRWN: JASANUMA 2017/06/12
CHK'D: YKOBAYASHI02 2017/06/12
APPR: TKUSUHARA01

REV
B

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
SCALE	⇤⇥
DRWN BY	FSATO
DATE	2015/04/30
CHK'D BY	KTAKAHASHI
DATE	2015/06/30
APPR BY	KMORIKAWA
DATE	2015/06/30
DRAWING SIZE	A3
	THIRD ANGLE PROJECTION

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0.5 FPC CONN ZIF E/O 2CONT TYPE HSG ASSY

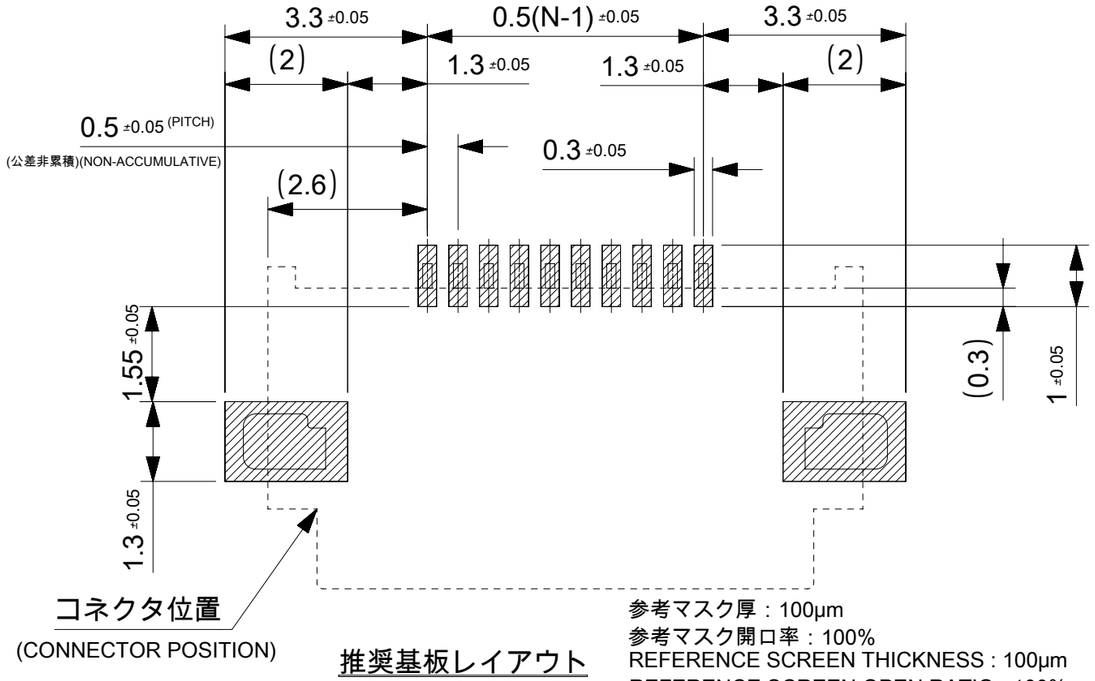
PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
505110	SEE SHEET 1	GENERAL

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
5051101001	PSD	000	2 OF 3

RELEASE STATUS	P1	RELEASE DATE	12.06.2017 07:07:23

FORMAT: master-tb-prod-A3
REVISION: G
DATE: 2017/02/06



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

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
コンタクト部：部分金めっき (0.05μm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.

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

REVISED
EC NO: 117930 2017/06/09
DRWN: JASANUMA 2017/06/12
CHK'D: YKOBAYASHI02 2017/06/12
APPR: TKUSUHARA01

REV
B

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
SCALE: 10:1
DRWN BY: FSATO　DATE: 2015/04/30
CHK'D BY: KTAKAHASHI　DATE: 2015/06/30
APPR BY: KMORIKAWA　DATE: 2015/06/30
DRAWING SIZE: A3
THIRD ANGLE PROJECTION

molex®

0.5 FPC CONN ZIF E/O 2CONT TYPE HSG ASSY

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
505110	SEE SHEET 1	GENERAL

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
5051101001	PSD	000	3 OF 3

RELEASE STATUS	P1	RELEASE DATE	12.06.2017　07:07:23

FORMAT: master-tb-prod-A3
REVISION: G
DATE: 2017/02/06

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

Hirose Electric:

DF36A-25P-SHL DF59M-2224PCF RM12BRD-2PH(81) RM15TRH-10PH(81) FH41-50S-0.5SH(28) FH72-21S-0.3SHW ZE05H-4P-2V(A) DF22A-1416SCFA DF65-4P-1.7V(21) FX18-60S-0.8SH RM15TP-2PA(81) ZH05-20DP-HU(B) BM29B0.6-4DS/2-0.35V(51) DF17(3.0)-40DS-0.5V(57) FH41-30S-0.5SH(05) ZE064W-8DP-HU/R(A) DF11-16DP-2DSA(24) DF40C-50DP-0.4V(51) DF52-4P-0.8C FX18-80S-0.8SH HDE-CTH(10) ZE05-24DP-2H ZE05H-12DP-2H FX8-120S-SV(22) DF19A-3032SCFA(41) DF33C-4S-3.3C DF57AH-5S-1.2C DF62C-4S-2.2C FH35C-19S-0.3SHW(50) GT8E-6S-HU