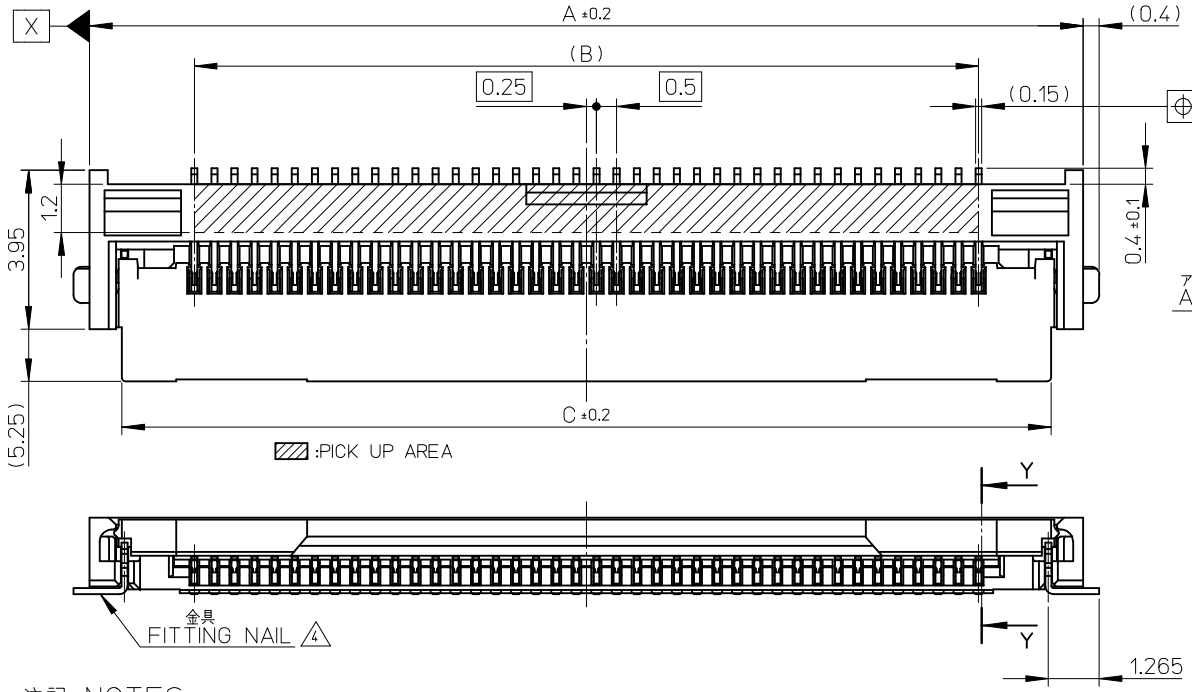
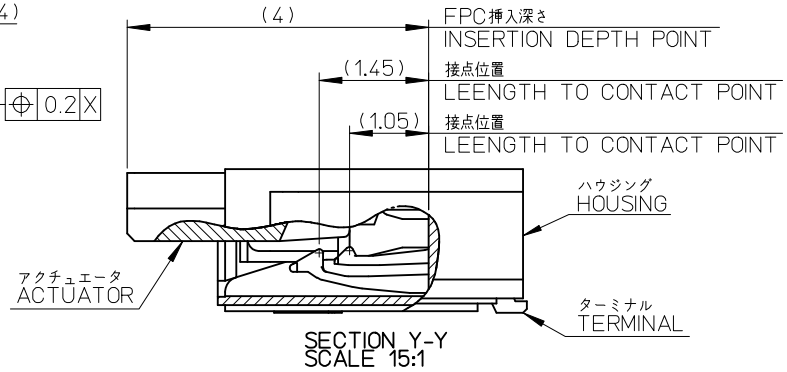
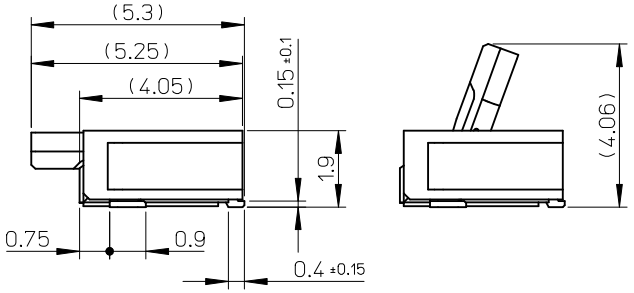




SECTION Y-Y
SCALE 15:1



注記 NOTES

1. 使用材料 MATERIAL
   - ハウジング HOUSING：液晶ポリマー ガラス充填, UL94V-0(ベージュ) LIQUID CRYSTAL POLYMER GLASS FILLED,UL94V-0(BEIGE)
   - アクチュエータ ACTUATOR：ポリアミド ガラス充填, UL94V-0(黒) POLYAMIDE GLASS FILLED, UL94V-0(BLACK)
   - ターミナル TERMINAL：リン青銅(t=0.15) PHOSPHOR BRONZE
   - 金具 FITTING NAIL：リン青銅(t=0.15) 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 MIN.)
     SOLDER TAIL AREA : SEPARATED GOLD PLATING
     UNDERPLATE : NICKEL OVERALL (1.0 MICROMETER MIN.)
   - 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導体部にかからないこと。
   R0.3 MUST NOT BE OVERLAPPED TO PATTERN OF FPC.
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0.1mm以下とする。
   TAILS AND NAILS COPLANALITY TO BE 0.1mm MAX.

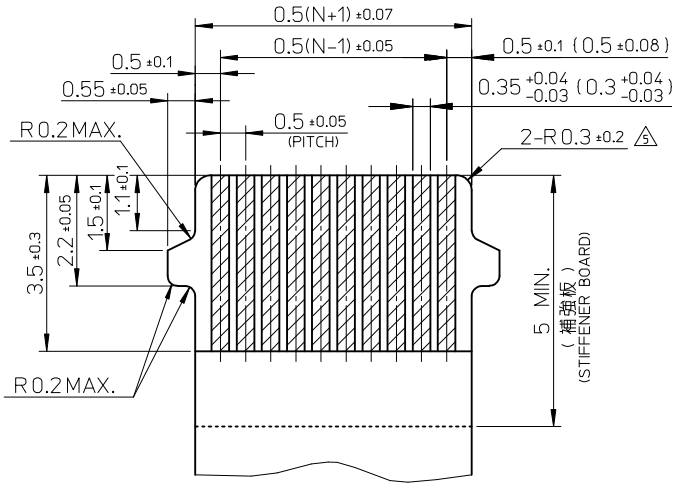
REVISED
EC NO: J2017-0308 2016/12/06
DRWN: JASANUMA 2016/12/06
CHKD: YKOBAYASHI 02 2016/12/06
APPR: TKUSUHARA01 2016/12/07
DESCRIPTION
REV: J

GENERAL TOLERANCES (UNLESS SPECIFIED)

0.25	UNDER			±0.03
0.25	OVER	0.5	UNDER	±0.05
0.5	OVER	1.0	UNDER	±0.1
1.0	OVER	10	UNDER	±0.2
10	OVER	30	UNDER	±0.25
30	OVER			±0.3
ANGULAR		±1	°	

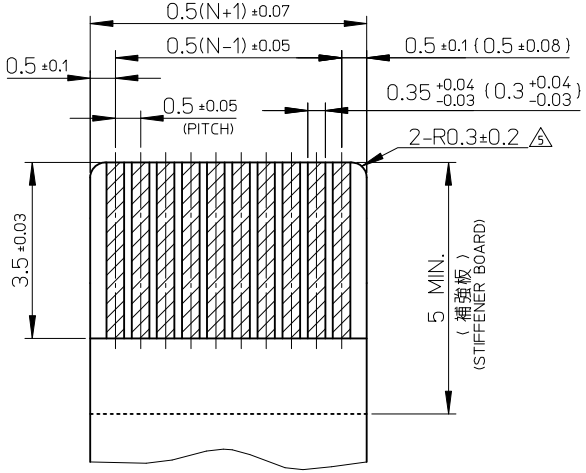
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: 8:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: JASANUMA DATE: 2014/02/25	TITLE: 0.5 FPC CONN ZIF E/O 2 CONTACTS TYPE HSG ASSY (H=1.9)		
CHECKED BY: KTAKAHASHI DATE: 2014/07/28			
APPROVED BY: YNOGAWA DATE: 2014/11/10	molex		
MATERIAL NO.: SEE SHEET 3	DOCUMENT NO.: SD-505110-001	SHEET NO.: 1 OF 3	
SIZE: A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		



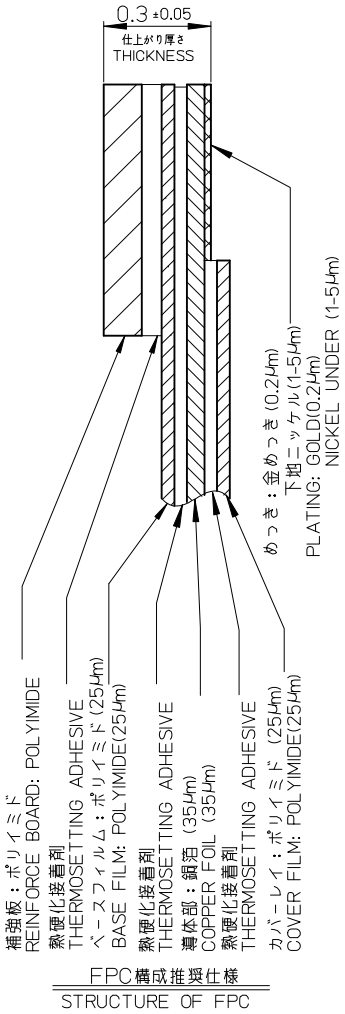
適合FPC/FFC推奨寸法
APPLICABLE FPC/FFC
RECOMMENDED DIMENSION

( ):FFCに適用
( ):APPLY TO FFC



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

( ):FFCに適用
( ):APPLY TO FFC



FPC構成推奨仕様
STRUCTURE OF FPC

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置いて、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/確認をお願い致します。

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.

SEE SHEET 1
EC NO: J2017-0308
DRWN:JASANUMA 2016/12/06
CH'KD:YKOBAYASHI02 2016/12/06
APPR:TKUSUHARA01 2016/12/07
DESCRIPTION
REV
J

GENERAL TOLERANCES (UNLESS SPECIFIED)

0.25	UNDER			±0.03
0.25	OVER	0.5	UNDER	±0.05
0.5	OVER	1.0	UNDER	±0.1
1.0	OVER	10	UNDER	±0.2
10	OVER	30	UNDER	±0.25
30	OVER			±0.3

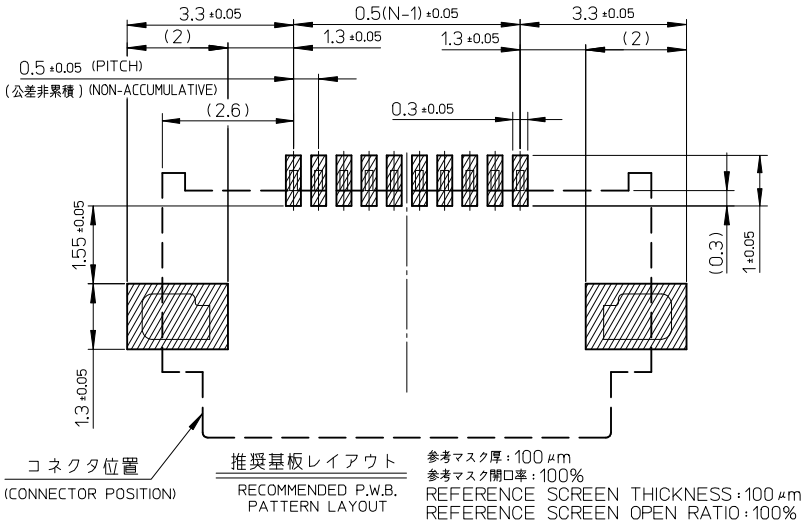
ANGULAR ±1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	10:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	JASANUMA 2014/02/25
CHECKED BY / DATE	KTAKAHASHI 2014/07/28
APPROVED BY / DATE	YNOGAWA 2014/11/10
MATERIAL NO.	SEE SHEET 3
DOCUMENT NO.	SD-505110-001
SHEET NO.	2 OF 3
SIZE	A3

TITLE
0.5 FPC CONN ZIF E/O
2 CONTACTS TYPE
HSG ASSY (H=1.9)

molex



C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER NO.	Ckt
43.1	39.5	44.7	505110-8091	80
38.1	34.5	39.7	505110-7091	70
37.1	33.5	38.7	505110-6891	68
35.1	31.5	36.7	505110-6491	64
33.1	29.5	34.7	505110-6091	60
28.1	24.5	29.7	505110-5091	50
25.6	22.0	27.2	505110-4591	45
23.1	19.5	24.7	505110-4091	40
20.6	17	22.2	505110-3591	35
18.1	14.5	19.7	505110-3091	30
17.1	13.5	18.7	505110-2891	28
16.1	12.5	17.7	505110-2691	26
15.1	11.5	16.7	505110-2491	24
14.1	10.5	15.7	505110-2291	22
13.1	9.5	14.7	505110-2091	20

CONNECTOR SERIES NO. 505110-**11

SEE SHEET 1
EC NO: J2017-0308
DRWN:JASANUMA 2016/12/06
CH'KD:YKOBAYASHI02 2016/12/06
APPR:TKUSUHARA01 2016/12/07
REV: J

DESCRIPTION

GENERAL TOLERANCES (UNLESS SPECIFIED)

0.25	UNDER		±0.03
0.25	OVER 0.5	UNDER	±0.05
0.5	OVER 1.0	UNDER	±0.1
1.0	OVER 10	UNDER	±0.2
10	OVER 30	UNDER	±0.25
30	OVER		±0.3

ANGULAR ±1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: JASANUMA DATE: 2014/02/25
CHECKED BY: KTAKAHASHI DATE: 2014/07/28
APPROVED BY: YNOGAWA DATE: 2014/11/10
MATERIAL NO.: SEE CHART

TITLE: 0.5 FPC CONN ZIF E/O 2 CONTACTS TYPE HSG ASSY (H=1.9)

molex

DOCUMENT NO.: SD-505110-001
SHEET NO.: 3 OF 3

SIZE: A3