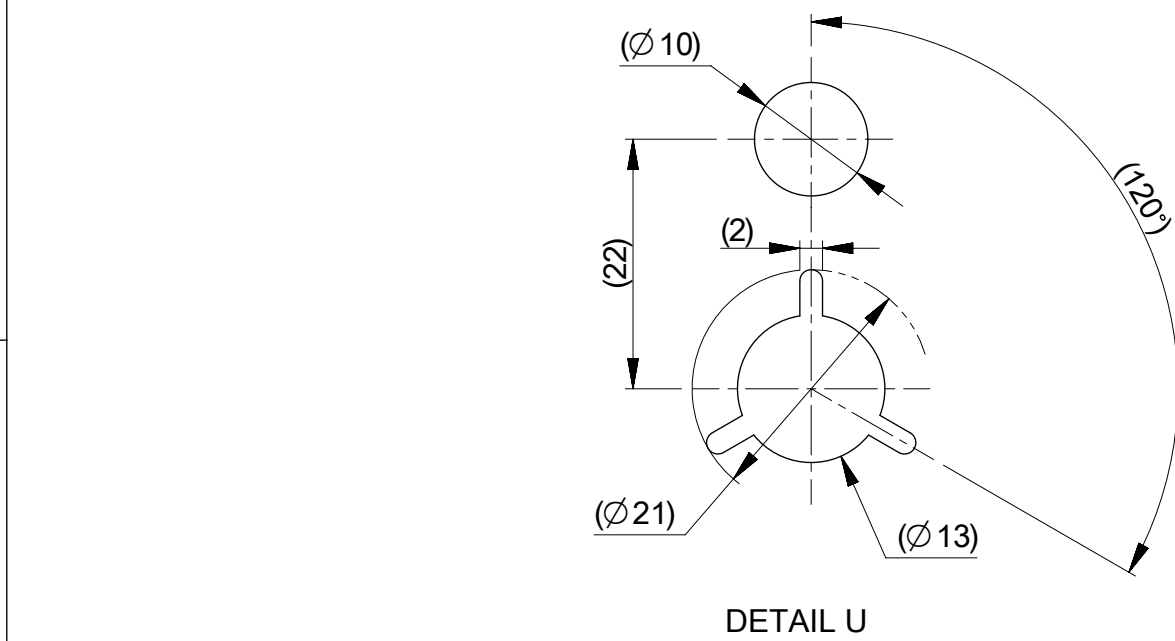
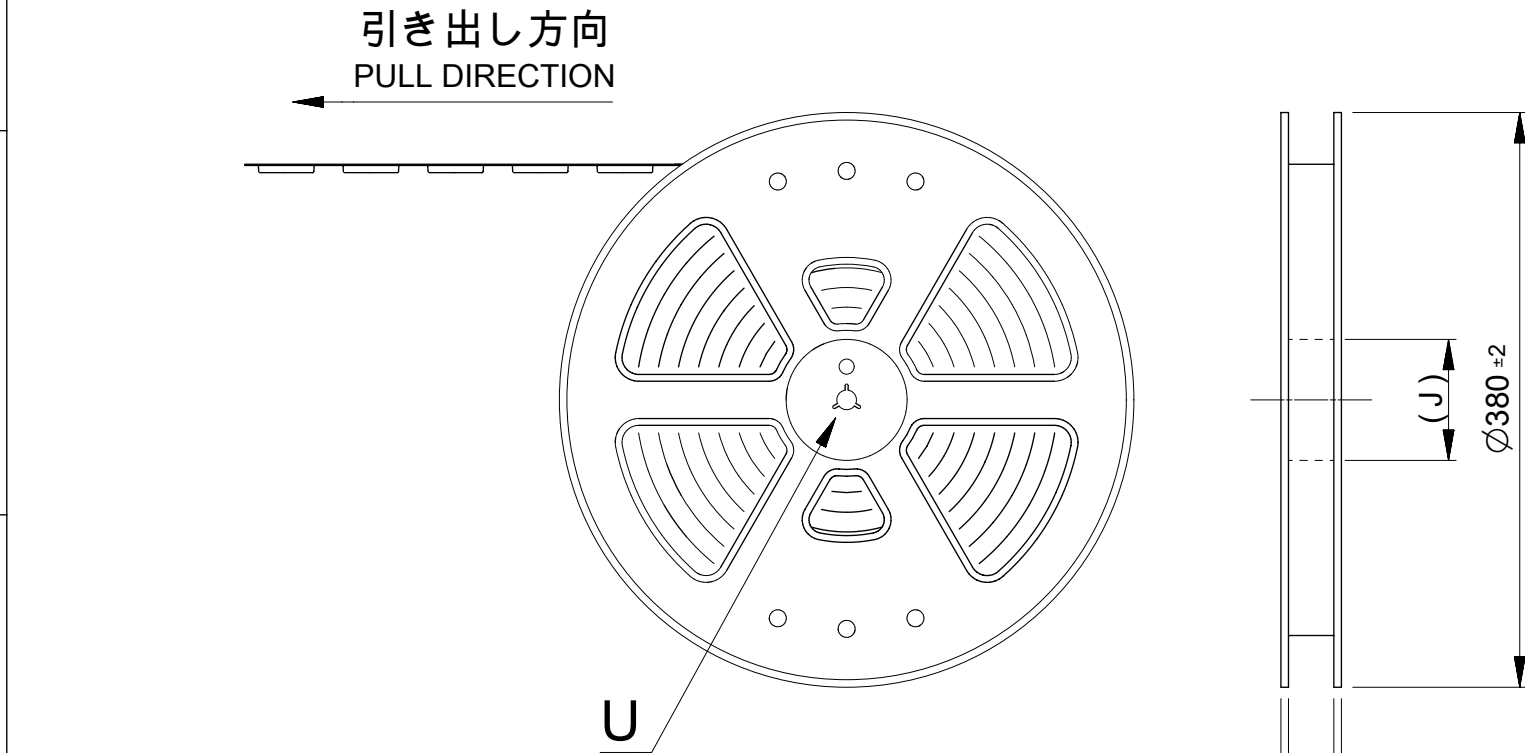
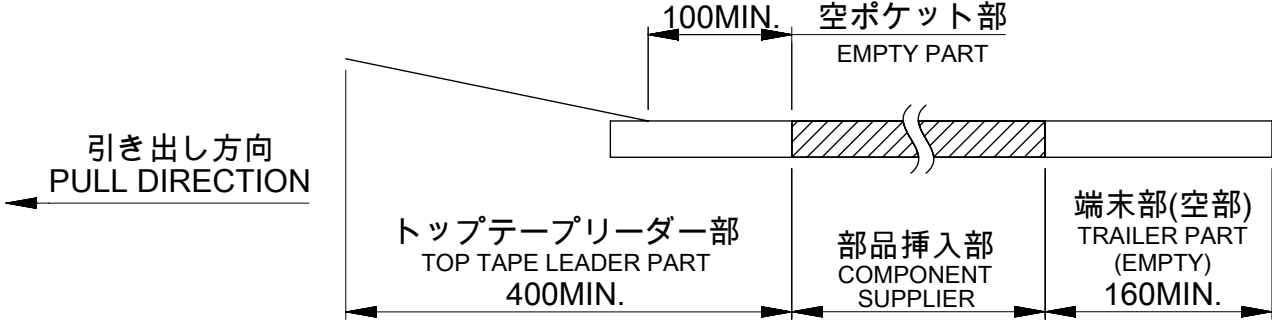




NOTES

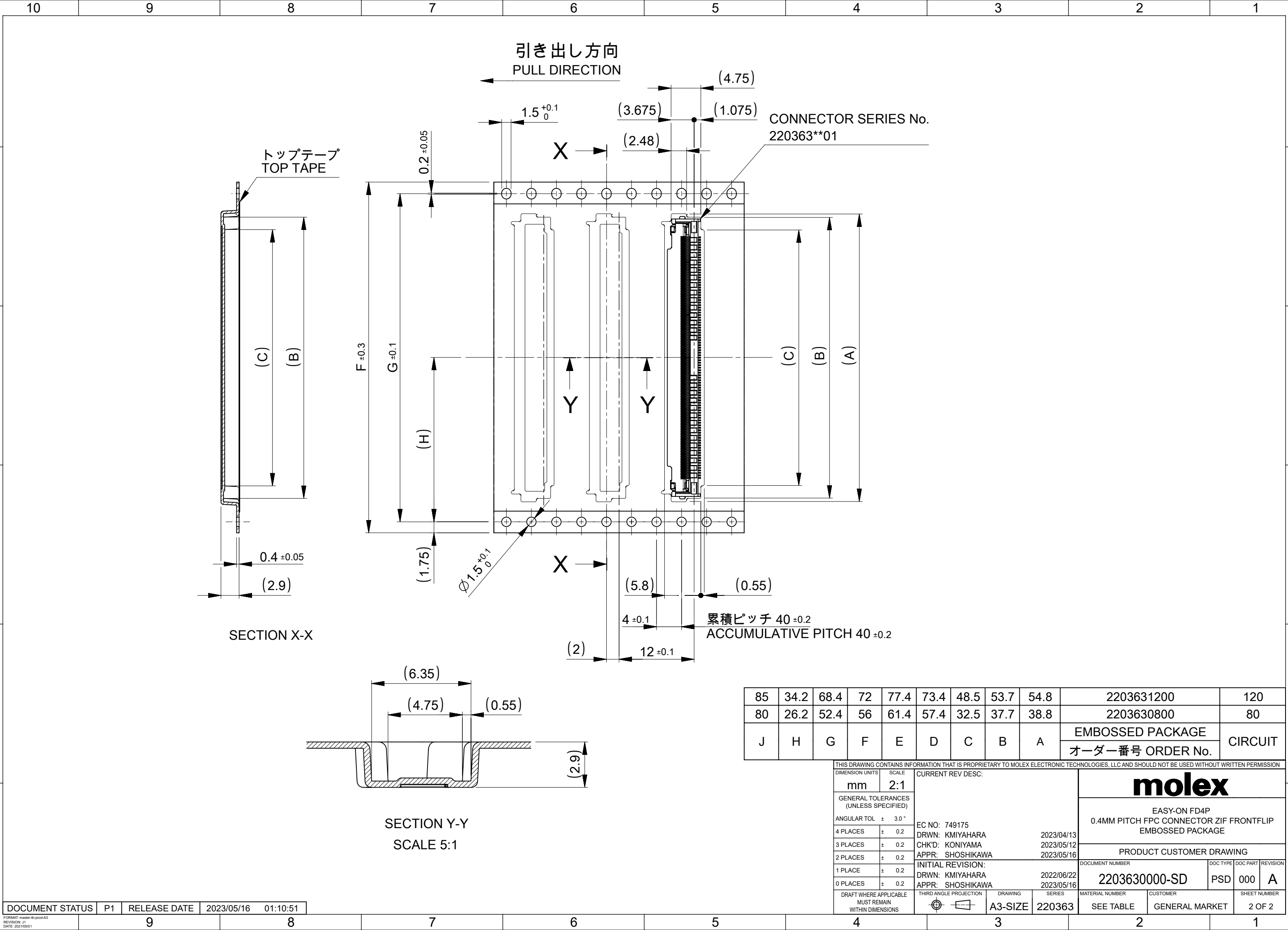
1. 梱包数量：2000個 / リール  
NUMBER OF CONNECTORS : 2000PCS/REEL
2. リードテープ長さ  
LEAD TAPE LENGTH



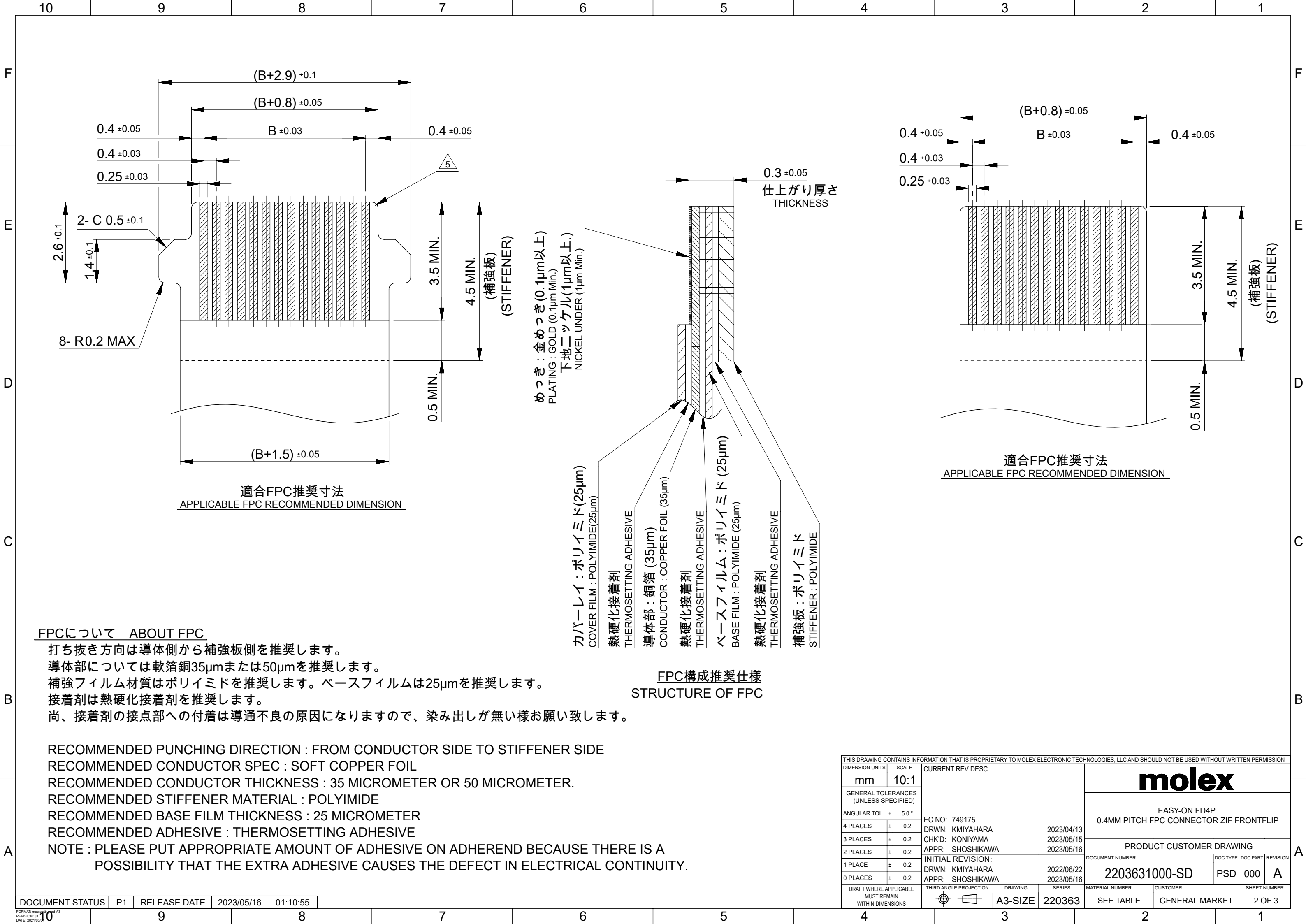
3. トップテープの剥離強度については、IEC60286-3に準拠。  
TOP TAPE PEEL FORCE IS DEFINED BY IEC 60286-3.
4. 製品詳細寸法については、図面 2203631000-SD を参照下さい。  
DIMENTIONS OF PRODUCT, REFER TO 2203631000-SD.

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

| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                 |                                                                                                                                                                                                |         |        |                 |                                                                             |          |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------|-----------------|-----------------------------------------------------------------------------|----------|--------------|--|
| DIMENSION UNITS                                                                                                                               |  | SCALE           | CURRENT REV DESC:                                                                                                                                                                              |         |        |                 | <div>molex</div>                                                            |          |              |  |
| mm                                                                                                                                            |  | 2:1             |                                                                                                                                                                                                |         |        |                 |                                                                             |          |              |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |                 | EC NO: 749175<br>DRWN: KMIYAHARA 2023/04/13<br>CHK'D: KONIYAMA 2023/05/12<br>APPR: SHOSHIKAWA 2023/05/16<br><br>INITIAL REVISION:<br>DRWN: KMIYAHARA 2022/06/22<br>APPR: SHOSHIKAWA 2023/05/16 |         |        |                 | EASY-ON FD4P<br>0.4MM PITCH FPC CONNECTOR ZIF FRONTFLIP<br>EMBOSSED PACKAGE |          |              |  |
| ANGULAR TOL ± 3.0 °                                                                                                                           |  |                 |                                                                                                                                                                                                |         |        |                 | PRODUCT CUSTOMER DRAWING                                                    |          |              |  |
| 4 PLACES ± 0.2                                                                                                                                |  | DOCUMENT NUMBER |                                                                                                                                                                                                |         |        |                 | DOC TYPE                                                                    | DOC PART | REVISION     |  |
| 3 PLACES ± 0.2                                                                                                                                |  | 2203630000-SD   |                                                                                                                                                                                                |         |        |                 | PSD                                                                         | 000      | A            |  |
| 2 PLACES ± 0.2                                                                                                                                |  |                 |                                                                                                                                                                                                |         |        |                 |                                                                             |          |              |  |
| 1 PLACE ± 0.2                                                                                                                                 |  |                 |                                                                                                                                                                                                |         |        |                 |                                                                             |          |              |  |
| 0 PLACES ± 0.2                                                                                                                                |  |                 |                                                                                                                                                                                                |         |        |                 |                                                                             |          |              |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |                 | THIRD ANGLE PROJECTION                                                                                                                                                                         | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER                                                                    |          | SHEET NUMBER |  |
|                                                                                                                                               |  |                 |                                                                                                                                                                                                | A3-SIZE | 220363 | SEE TABLE       | GENERAL MARKET                                                              |          | 1 OF 2       |  |







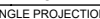
FPCについて ABOUT FPC

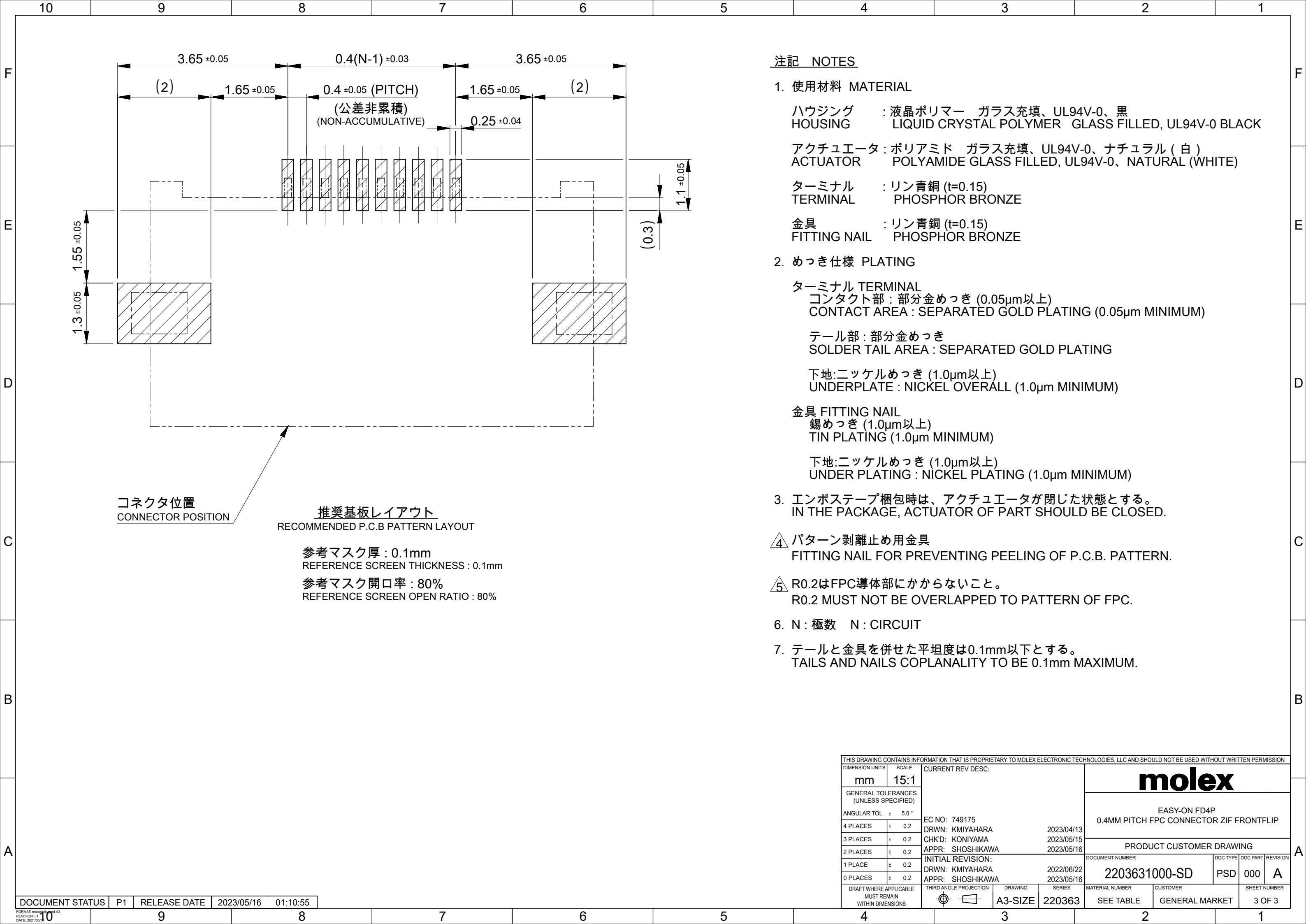
打ち抜き方向は導体側から補強板側を推奨します。  
導体部については軟箔銅35µmまたは50µmを推奨します。  
補強フィルム材質はポリイミドを推奨します。ベースフィルムは25µmを推奨します。  
接着剤は熱硬化接着剤を推奨します。  
尚、接着剤の接点部への付着は導通不良の原因になりますので、染み出しが無い様お願い致します。

RECOMMENDED PUNCHING DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER SIDE  
RECOMMENDED CONDUCTOR SPEC : SOFT COPPER FOIL  
RECOMMENDED CONDUCTOR THICKNESS : 35 MICROMETER OR 50 MICROMETER.  
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.

FPC構成推奨仕様

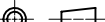
STRUCTURE OF FPC

| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |       |  |                                                                                                          |  |                |  |                  |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|-------|--|----------------------------------------------------------------------------------------------------------|--|----------------|--|------------------|----------|
| DIMENSION UNITS                                                                                                                               |  | SCALE |  | CURRENT REV DESC:                                                                                        |  |                |  | <div>molex</div> |          |
| mm                                                                                                                                            |  | 10:1  |  |                                                                                                          |  |                |  |                  |          |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |       |  | EASY-ON FD4P<br>0.4MM PITCH FPC CONNECTOR ZIF FRONTFLIP                                                  |  |                |  |                  |          |
| ANGULAR TOL ± 5.0 °                                                                                                                           |  |       |  |                                                                                                          |  |                |  |                  |          |
| 4 PLACES ± 0.2                                                                                                                                |  |       |  | EC NO: 749175<br>DRWN: KMIYAHARA 2023/04/13<br>CHK'D: KONIYAMA 2023/05/15<br>APPR: SHOSHIKAWA 2023/05/16 |  |                |  |                  |          |
| 3 PLACES ± 0.2                                                                                                                                |  |       |  |                                                                                                          |  |                |  |                  |          |
| 2 PLACES ± 0.2                                                                                                                                |  |       |  | PRODUCT CUSTOMER DRAWING                                                                                 |  |                |  |                  |          |
| 1 PLACE ± 0.2                                                                                                                                 |  |       |  |                                                                                                          |  |                |  |                  |          |
| 0 PLACES ± 0.2                                                                                                                                |  |       |  | DOCUMENT NUMBER                                                                                          |  | DOC TYPE       |  | DOC PART         | REVISION |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |       |  | 2203631000-SD                                                                                            |  | PSD            |  | 000              | A        |
|                                                                                                                                               |  |       |  | INITIAL REVISION:<br>DRWN: KMIYAHARA 2022/06/22<br>APPR: SHOSHIKAWA 2023/05/16                           |  |                |  |                  |          |
| THIRD ANGLE PROJECTION                                                                                                                        |  |       |  | DRAWING                                                                                                  |  | SERIES         |  | MATERIAL NUMBER  |          |
|                                                          |  |       |  | A3-SIZE                                                                                                  |  | 220363         |  | SEE TABLE        |          |
|                                                                                                                                               |  |       |  |                                                                                                          |  | CUSTOMER       |  | SHEET NUMBER     |          |
|                                                                                                                                               |  |       |  |                                                                                                          |  | GENERAL MARKET |  | 2 OF 3           |          |



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、黒  
HOUSING LIQUID CRYSTAL POLYMER GLASS FILLED, UL94V-0 BLACK
- アクチュエータ : ポリアミド ガラス充填、UL94V-0、ナチュラル ( 白 )  
ACTUATOR POLYAMIDE GLASS FILLED, UL94V-0, NATURAL (WHITE)
- 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)  
CONTACT AREA : SEPARATED GOLD PLATING (0.05μm MINIMUM)
- テール部 : 部分金めっき  
SOLDER TAIL AREA : SEPARATED GOLD PLATING
- 下地:ニッケルめっき (1.0μm以上)  
UNDERPLATE : NICKEL OVERALL (1.0μm MINIMUM)
- 金具 FITTING NAIL  
錫めっき (1.0μm以上)  
TIN PLATING (1.0μm MINIMUM)
- 下地:ニッケルめっき (1.0μm以上)  
UNDER PLATING : NICKEL PLATING (1.0μm MINIMUM)
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 PREVENTING PEELING OF P.C.B. PATTERN.
5. R0.2はFPC導体部にかからないこと。  
R0.2 MUST NOT BE OVERLAPPED TO PATTERN OF FPC.
6. N : 極数 N : CIRCUIT
7. 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 MAXIMUM.

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|-----------------------------------------------------------------------------------------------------------------------------------------------|--|-------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------|--|------------------|--|
| DIMENSION UNITS                                                                                                                               |  | SCALE |  | CURRENT REV DESC:                                                                                                                                                                                                                                |  |         |  | <div>molex</div> |  |
| mm                                                                                                                                            |  | 15:1  |  |                                                                                                                                                                                                                                                  |  |         |  |                  |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |       |  | <div>EC NO: 749175</div> <div>DRWN: KMIYAHARA2023/04/13</div> <div>CHK'D: KONIYAMA2023/05/15</div> <div>APPR: SHOSHIKAWA2023/05/16</div> <div>INITIAL REVISION:</div> <div>DRWN: KMIYAHARA2022/06/22</div> <div>APPR: SHOSHIKAWA2023/05/16</div> |  |         |  |                  |  |
| ANGULAR TOL ± 5.0 °                                                                                                                           |  |       |  |                                                                                                                                                                                                                                                  |  |         |  |                  |  |
| 4 PLACES ± 0.2                                                                                                                                |  |       |  |                                                                                                                                                                                                                                                  |  |         |  |                  |  |
| 3 PLACES ± 0.2                                                                                                                                |  |       |  |                                                                                                                                                                                                                                                  |  |         |  |                  |  |
| 2 PLACES ± 0.2                                                                                                                                |  |       |  |                                                                                                                                                                                                                                                  |  |         |  |                  |  |
| 1 PLACE ± 0.2                                                                                                                                 |  |       |  |                                                                                                                                                                                                                                                  |  |         |  |                  |  |
| 0 PLACES ± 0.2                                                                                                                                |  |       |  |                                                                                                                                                                                                                                                  |  |         |  |                  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |       |  | THIRD ANGLE PROJECTION                                                                                                                                                                                                                           |  | DRAWING |  | SERIES           |  |
|                                                                                                                                               |  |       |  |                                                                                                                                                             |  | A3-SIZE |  | 220363           |  |
|                                                                                                                                               |  |       |  |                                                                                                                                                                                                                                                  |  |         |  | SHEET NUMBER     |  |
|                                                                                                                                               |  |       |  |                                                                                                                                                                                                                                                  |  |         |  | 3 OF 3           |  |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2023/05/16 01:10:55 |
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