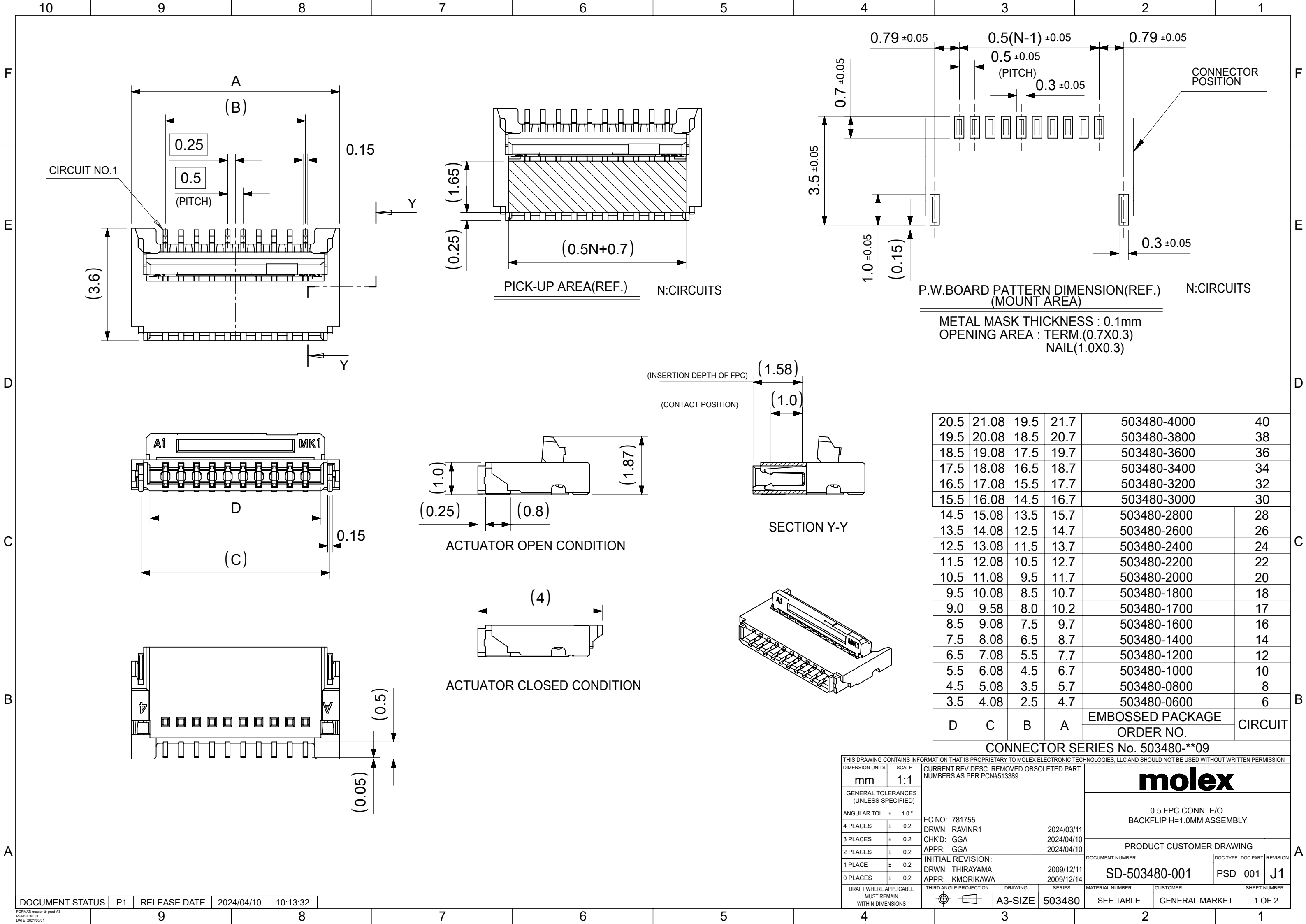




NOTES

1. PART COMPOSITION

HOUSING MATERIAL:LIQUID CRYSTAL POLYMER(LCP),  
GLASS FILLED, UL94V-0, NATURAL(WHITE)

TERMINAL MATERIAL:PHOSPOHR BRONZE

CONTACT AREA : SEPARATED GOLD PLATING  
(0.1 MICROMETER MINIMUM)  
SOLDER TAIL AREA : SEPARATED GOLD PLATING  
UNDERPLATE : NICKEL OVERALL  
(1.0 MICROMETER MINIMUM)

ACTUATOR MATERIAL : POLYAMIDE(PA), GLASS FILLED,  
UL94 HB, BLACK

NAIL MATERIAL:PHOSPOHR BRONZE

SOLDER TAIL AREA : TIN OVERALL(1.0 MICROMETER MINIMUM)  
UNDERPLATE : NICKEL OVERALL(1.0 MICROMETER MINIMUM)

2 . PLEASE DO NOT OPERATE THE ACTUATOR BEFORE MOUNTING.

3. PLEASE OPERATE THE ACTUATOR AFTER INSERTING THE FPC INTO  
THE CONNECTOR.

4. ABOUT FPC

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.

RECOMMENDED PUNCHER DIRECTION:  
FROM CONDUCTOR SIDE TO STIFFENER FILM SIDE.  
RECOMMENDED CONDUCTOR SPECIFICATION:  
THICKNESS OF SOFT COPPER FOIL: 35MICROMETER

5 R0.3 MUST NOT BE OVERLAPPED TO PATTERN OF FPC.

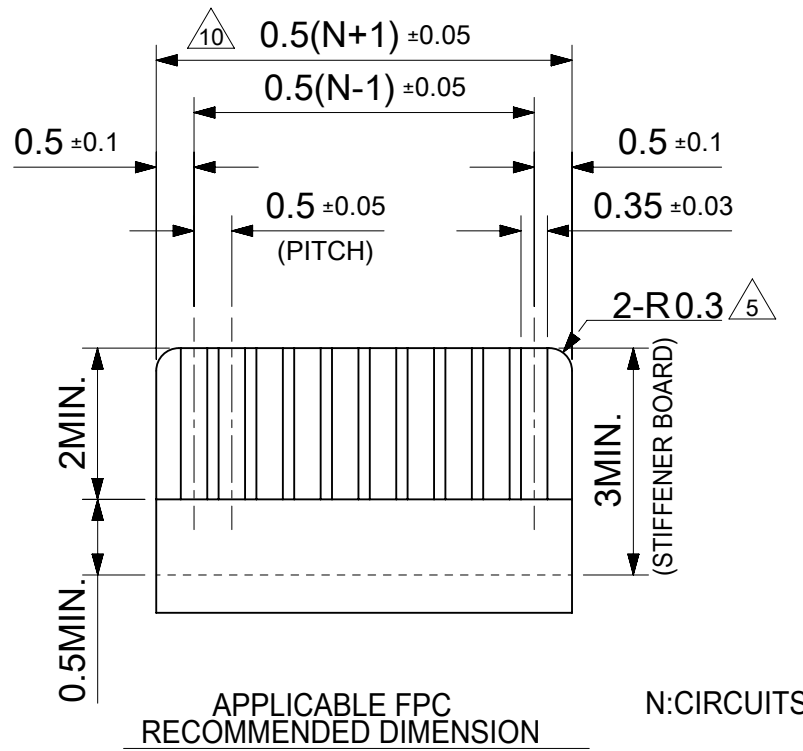
6. COPLANARITY : 0.1 MAXIMUM

7. PLEASE RECOGNIZE A POSSIBILITY TO CHANGE THE SHAPE  
OF THE PART THAT DOES NOT OBSTRUCT A FUNCTION,  
BY CIRCUMSTANCES IN OUR PRODUCTION.

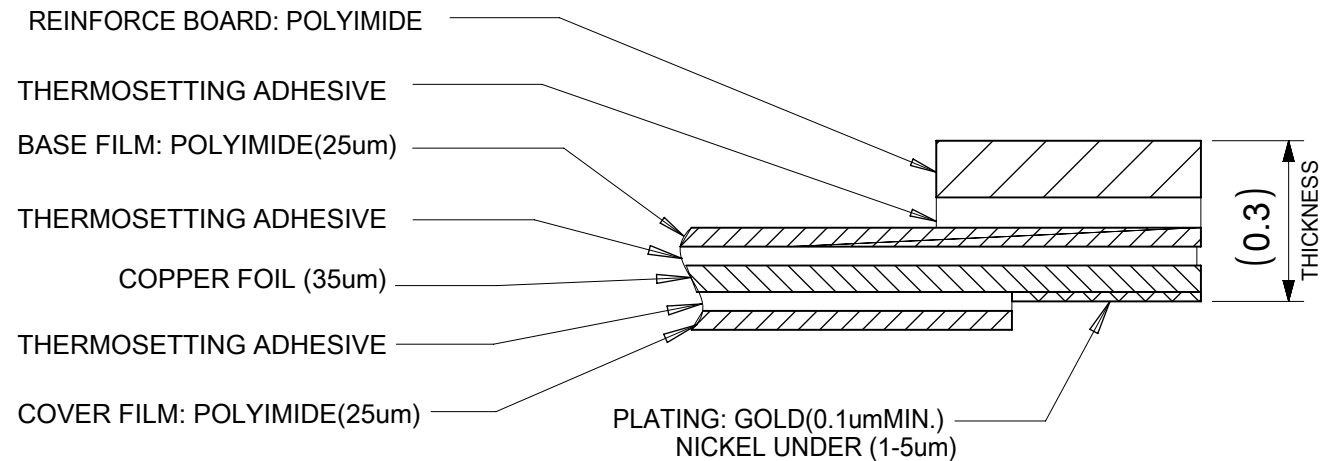
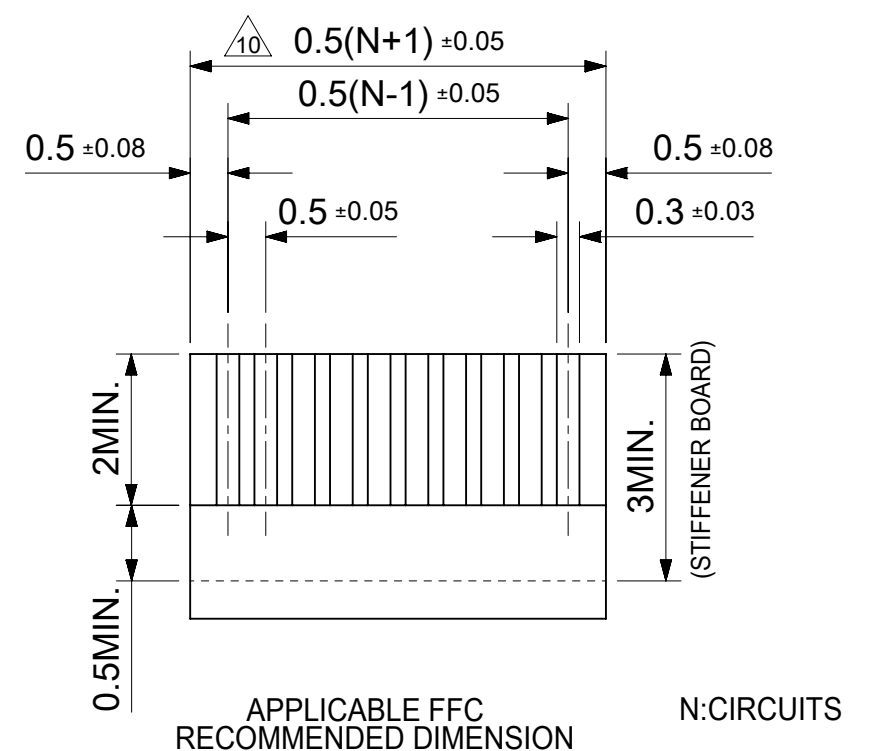
8. THIS PRODUCT IS DELIVERED WITH THE ACTUATOR  
IN THE OPEN POSITION.

9. THIS PRODUCT IS DUAL-CONTACT  
(TOP- AND BOTTOM-CONTACTS) TYPE CONNECTOR.

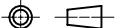
10 PLEASE CONFIRM TO INSERT FPC IN ADVANCE WHEN FPC  
WIDTH IS OVER 0.5(N+1)+0.02.



(THICKNESS : 0.3±0.05) : 30 OR LESS CIRCUITS  
(THICKNESS : 0.3±0.03) : 31 OR OVER CIRCUITS



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: REMOVED OBSOLETE PART NUMBERS AS PER PCN#513389.                    |  |                                  |  | <div>molex</div> |  |
| mm                                                                                                                                            |  | 1:1   |  |                                                                                       |  |                                  |  |                  |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |       |  | 0.5 FPC CONN. E/O<br>BACKFLIP H=1.0MM ASSEMBLY                                        |  |                                  |  |                  |  |
| ANGULAR TOL ± 1.0°                                                                                                                            |  |       |  |                                                                                       |  |                                  |  |                  |  |
| 4 PLACES                                                                                                                                      |  | ± 0.2 |  | EC NO: 781755                                                                         |  | PRODUCT CUSTOMER DRAWING         |  |                  |  |
| 3 PLACES                                                                                                                                      |  | ± 0.2 |  | DRWN: RAVINR1 2024/03/11                                                              |  |                                  |  |                  |  |
| 2 PLACES                                                                                                                                      |  | ± 0.2 |  | CHK'D: GGA 2024/04/10                                                                 |  |                                  |  |                  |  |
| 1 PLACE                                                                                                                                       |  | ± 0.2 |  | APPR: GGA 2024/04/10                                                                  |  | DOCUMENT NUMBER<br>SD-503480-001 |  |                  |  |
| 0 PLACES                                                                                                                                      |  | ± 0.2 |  | INITIAL REVISION:<br>DRWN: THIRAYAMA 2009/12/11<br>APPR: KMORIKAWA 2009/12/14         |  |                                  |  |                  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS                                                                                       |  |       |  | THIRD ANGLE PROJECTION                                                                |  | DRAWING<br>A3-SIZE               |  | DOC PART<br>001  |  |
|                                                                                                                                               |  |       |  |  |  | SERIES<br>503480                 |  | REVISION<br>J1   |  |
|                                                                                                                                               |  |       |  |                                                                                       |  | MATERIAL NUMBER                  |  | SHEET NUMBER     |  |
|                                                                                                                                               |  |       |  |                                                                                       |  | CUSTOMER<br>GENERAL MARKET       |  | 2 OF 2           |  |

molex

0.5 FPC CONN. E/O  
BACKFLIP H=1.0MM ASSEMBLY

PRODUCT CUSTOMER DRAWING

SD-503480-001

PSD 001 J1

