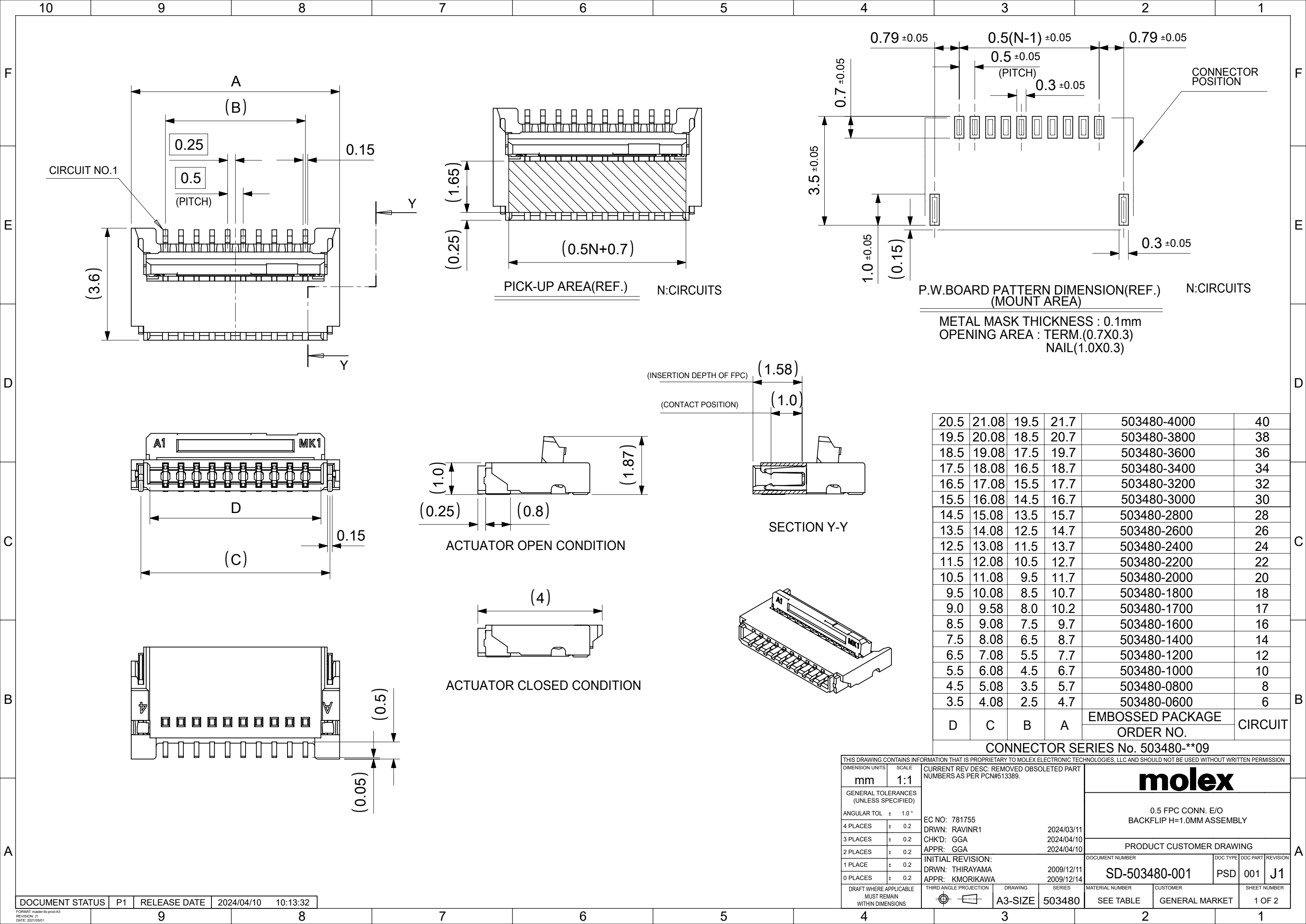




NOTES

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.

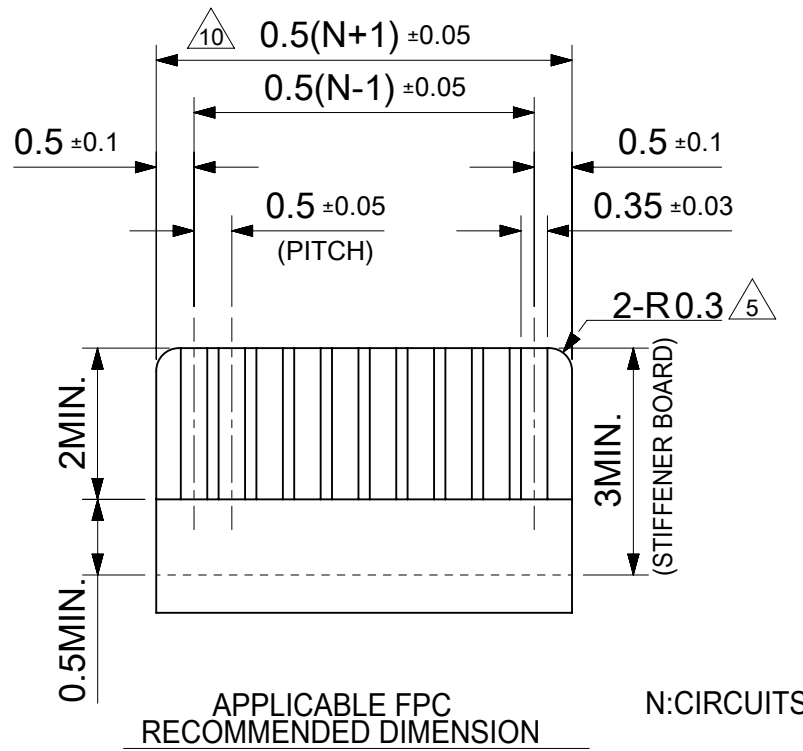
6. COPLANARITY : 0.1 MAXIMUM

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

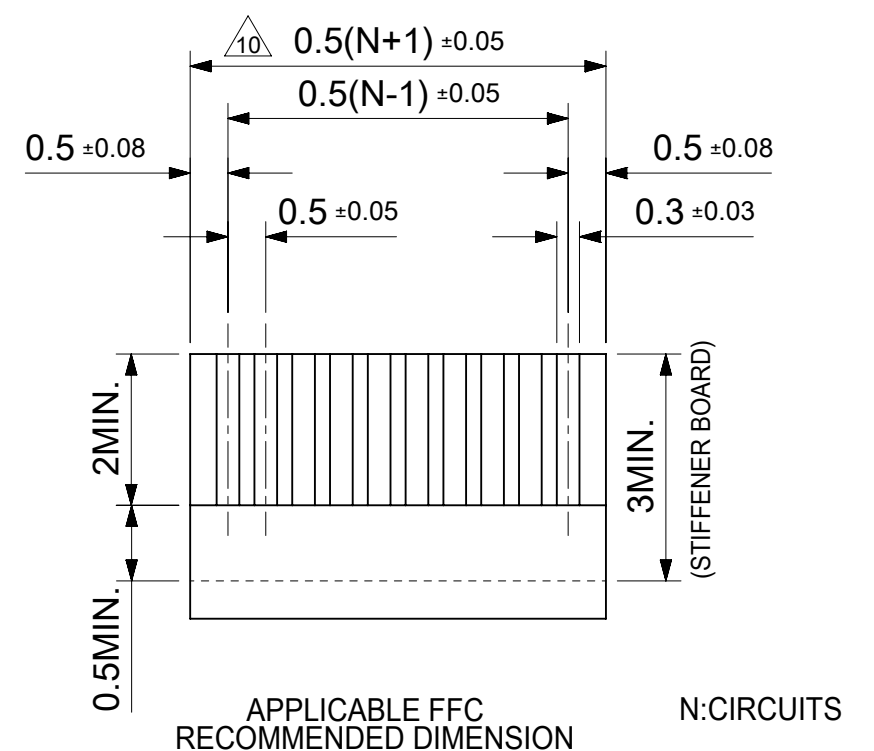
8. THIS PRODUCT IS DELIVERED WITH THE ACTUATOR
IN THE OPEN POSITION.

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



REINFORCE BOARD: POLYIMIDE

THERMOSETTING ADHESIVE

BASE FILM: POLYIMIDE(25um)

THERMOSETTING ADHESIVE

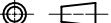
COPPER FOIL (35um)

THERMOSETTING ADHESIVE

COVER FILM: POLYIMIDE(25um)

PLATING: GOLD(0.1umMIN.)
NICKEL UNDER (1-5um)

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

molex

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

PRODUCT CUSTOMER DRAWING

SD-503480-001

PSD 001 J1

DOCUMENT STATUS P1 RELEASE DATE 2024/04/10 10:13:32

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REVISION: J1
DATE: 2021/05/01

