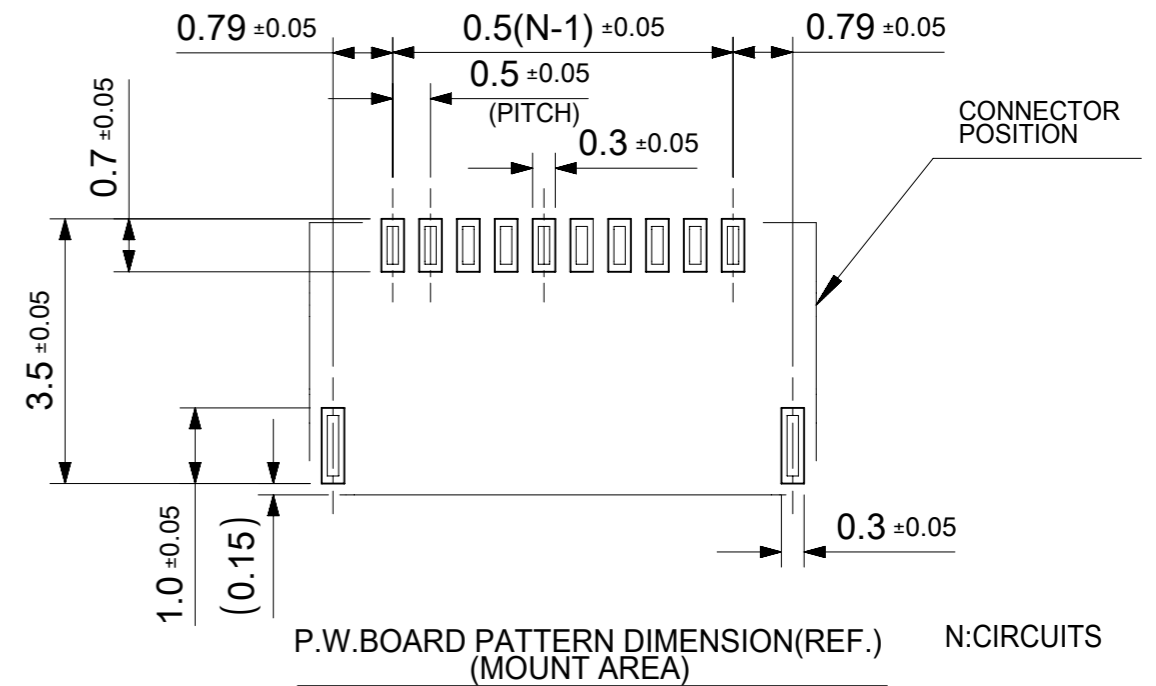
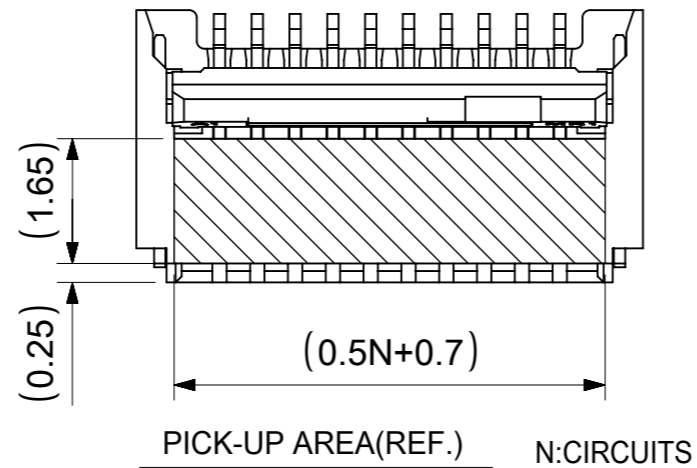
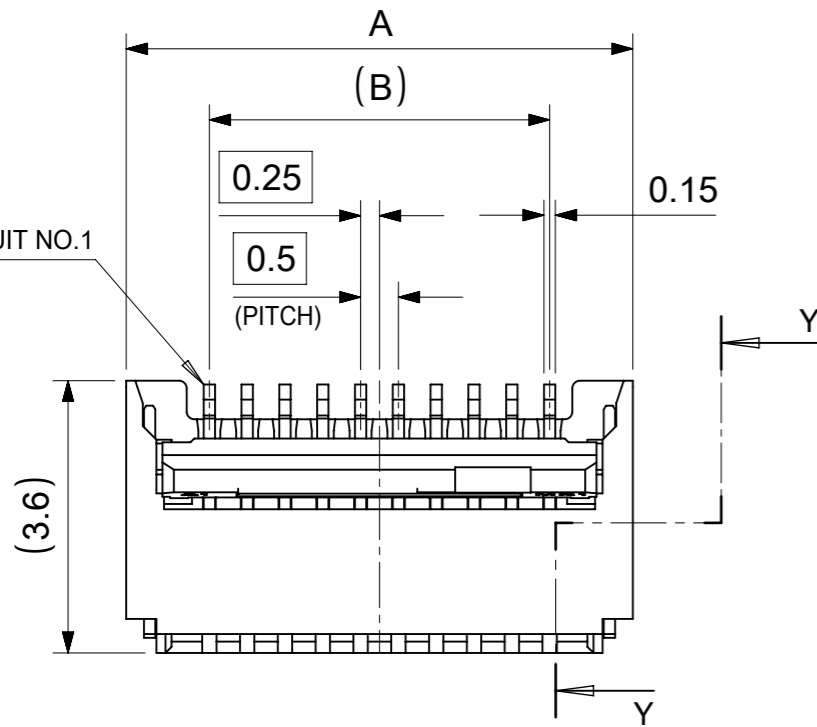
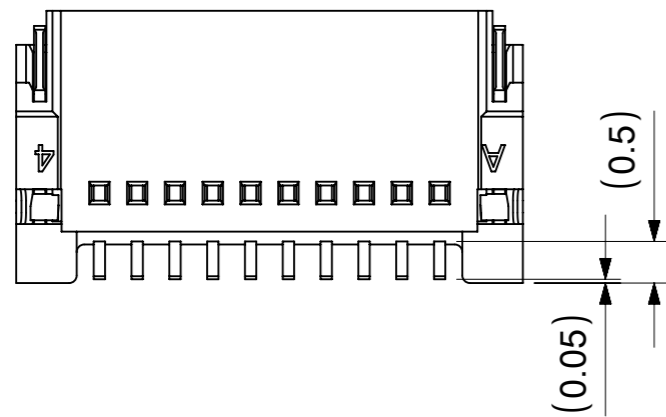
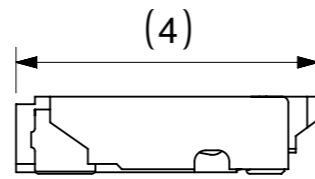
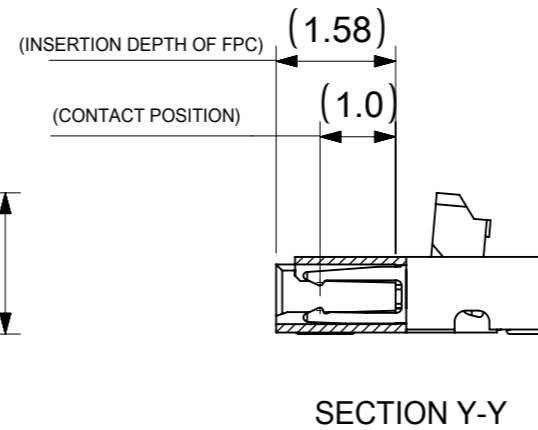
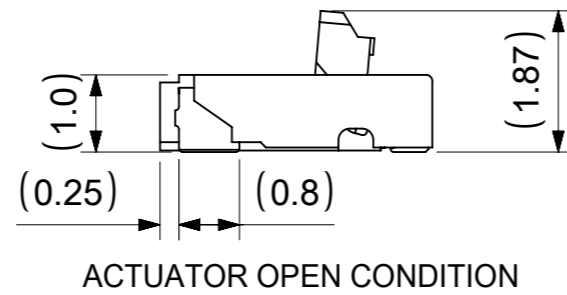
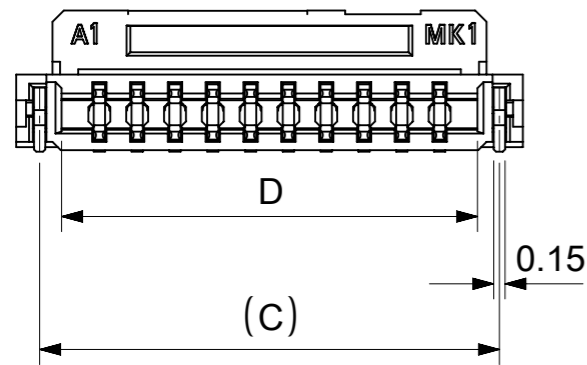


CIRCUIT NO.1



METAL MASK THICKNESS : 0.1mm  
 OPENING AREA : TERM.(0.7X0.3)  
 NAIL(1.0X0.3)



20.5	21.08	19.5	21.7	503480-4000	40
19.5	20.08	18.5	20.7	503480-3800	38
18.5	19.08	17.5	19.7	503480-3600	36
17.5	18.08	16.5	18.7	503480-3400	34
16.5	17.08	15.5	17.7	503480-3200	32
15.5	16.08	14.5	16.7	503480-3000	30
14.5	15.08	13.5	15.7	503480-2800	28
13.5	14.08	12.5	14.7	503480-2600	26
12.5	13.08	11.5	13.7	503480-2400	24
11.5	12.08	10.5	12.7	503480-2200	22
10.5	11.08	9.5	11.7	503480-2000	20
9.5	10.08	8.5	10.7	503480-1800	18
9.0	9.58	8.0	10.2	503480-1700	17
8.5	9.08	7.5	9.7	503480-1600	16
7.5	8.08	6.5	8.7	503480-1400	14
6.5	7.08	5.5	7.7	503480-1200	12
5.5	6.08	4.5	6.7	503480-1000	10
4.5	5.08	3.5	5.7	503480-0800	8
3.5	4.08	2.5	4.7	503480-0600	6
3.0	3.58	2.0	4.2	503480-0500	5
2.5	3.08	1.5	3.7	503480-0400	4
D	C	B	A	EMBOSSED PACKAGE ORDER NO.	CIRCUIT

CONNECTOR SERIES No. 503480-\*\*09

DIMENSION UNITS		SCALE	CURRENT REV DESC:			
mm		1:1				
GENERAL TOLERANCES (UNLESS SPECIFIED)						<p>0.5 FPC CONN. E/O BACKFLIP H=1.0MM ASSEMBLY</p> <p>PRODUCT CUSTOMER DRAWING</p>
ANGULAR TOL ± 1.0 °						
4 PLACES	± 0.2		EC NO: 740220	2023/02/17		
3 PLACES	± 0.2		DRWN: NARENC	2023/02/27		
2 PLACES	± 0.2		CHK'D: HSHIMOYAMA	2023/02/27		
1 PLACE	± 0.2		APPR: YNAITO	2023/02/27		
0 PLACES	± 0.2		INITIAL REVISION:			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DRWN: THIRAYAMA	2009/12/11		
THIRD ANGLE PROJECTION			APPR: KMORIKAWA	2009/12/14		
DRAWING		SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
A3-SIZE		503480	SEE TABLE	GENERAL MARKET	1 OF 2	

**NOTES**

**1. PART COMPOSITION**

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

TERMINAL MATERIAL: PHOSPHOR 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: PHOSPHOR 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.

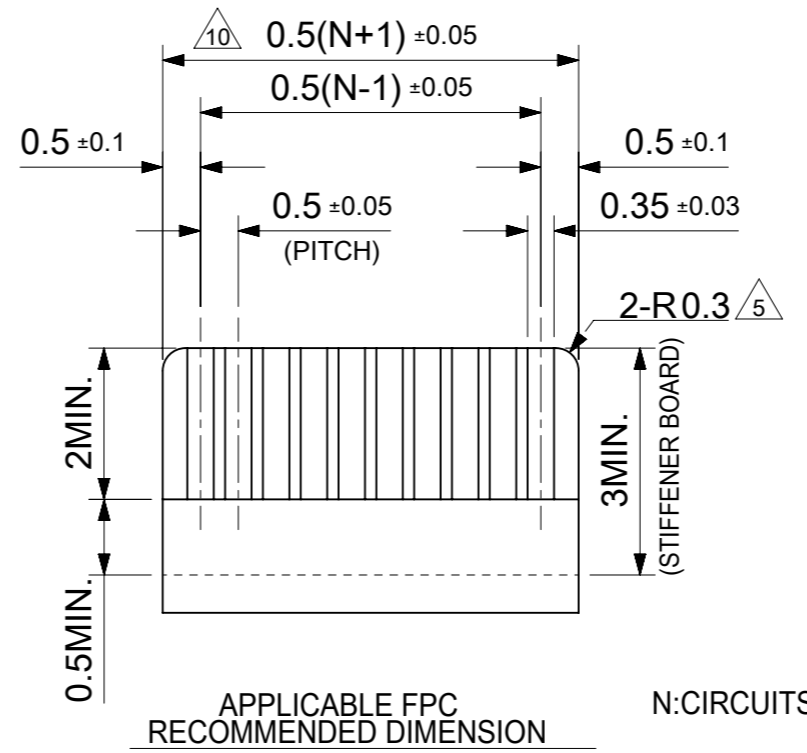
6. COPLANARITY : 0.1 MAXIMUM

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

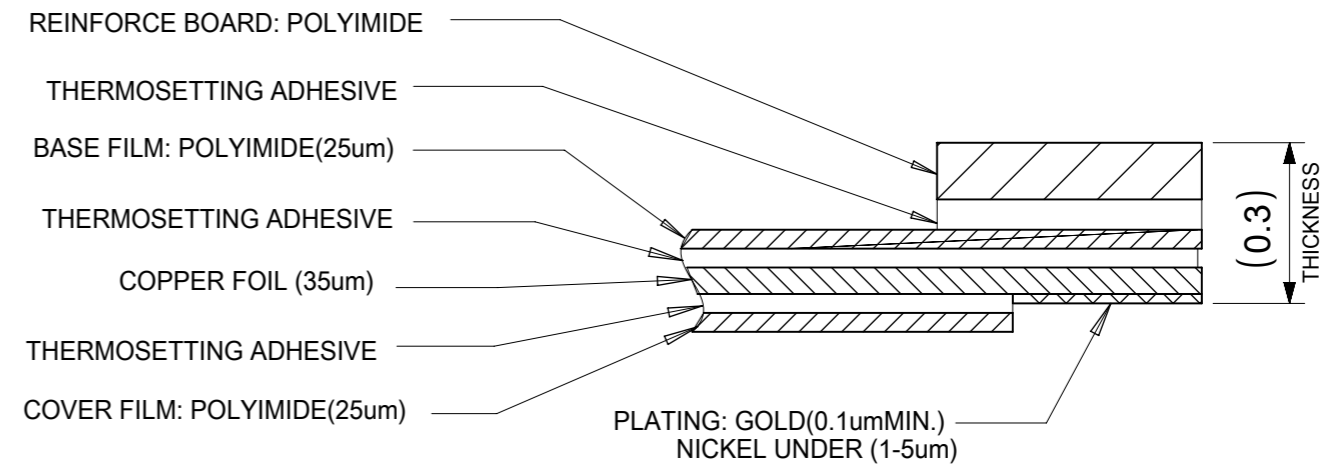
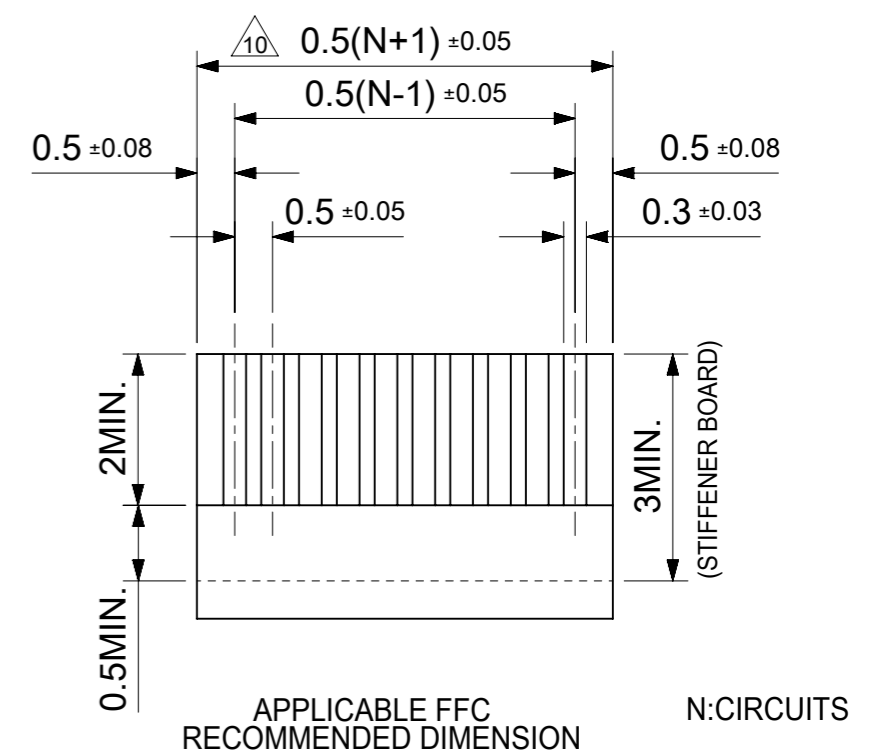
8. THIS PRODUCT IS DELIVERED WITH THE ACTUATOR IN THE OPEN POSITION.

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:							
mm	1:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 740220			0.5 FPC CONN. E/O BACKFLIP H=1.0MM ASSEMBLY				
ANGULAR TOL	± 1.0 °								
4 PLACES	± 0.2	DRWN: NARENC 2023/02/17			PRODUCT CUSTOMER DRAWING				
3 PLACES	± 0.2	CHK'D: HSHIMUYAMA 2023/02/27							
2 PLACES	± 0.2	APPR: YNAITO 2023/02/27			DOCUMENT NUMBER: SD-503480-001 DOC TYPE: PSD DOC PART: 001 REVISION: J				
1 PLACE	± 0.2	INITIAL REVISION:							
0 PLACES	± 0.2	DRWN: THIRAYAMA 2009/12/11			MATERIAL NUMBER: SEE TABLE CUSTOMER: GENERAL MARKET SHEET NUMBER: 2 OF 2				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING: A3-SIZE					

