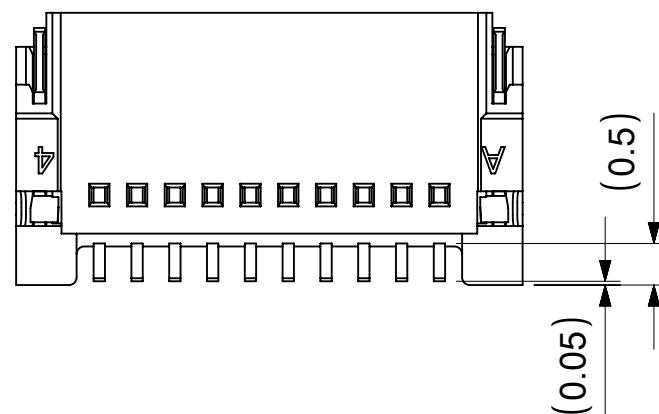
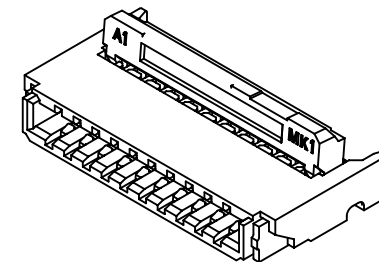
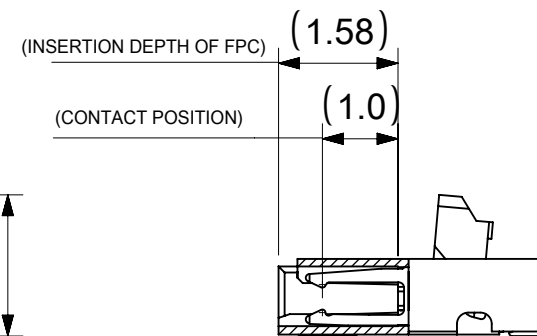
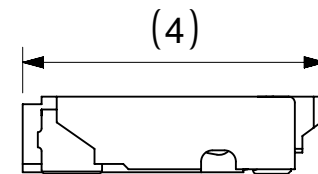
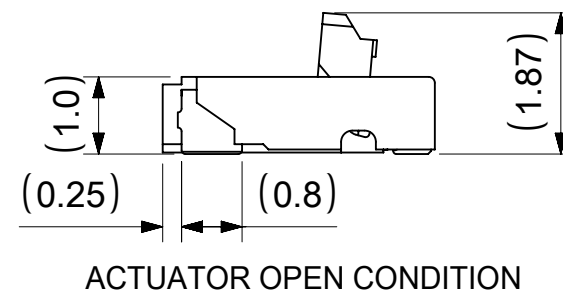
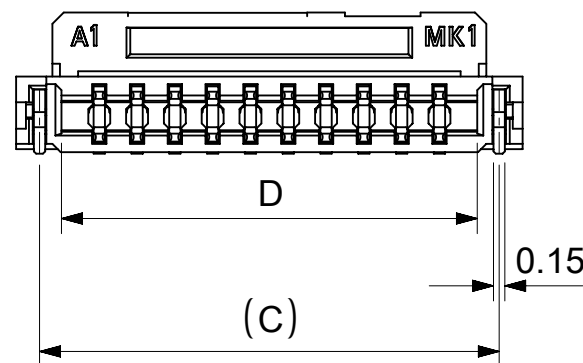
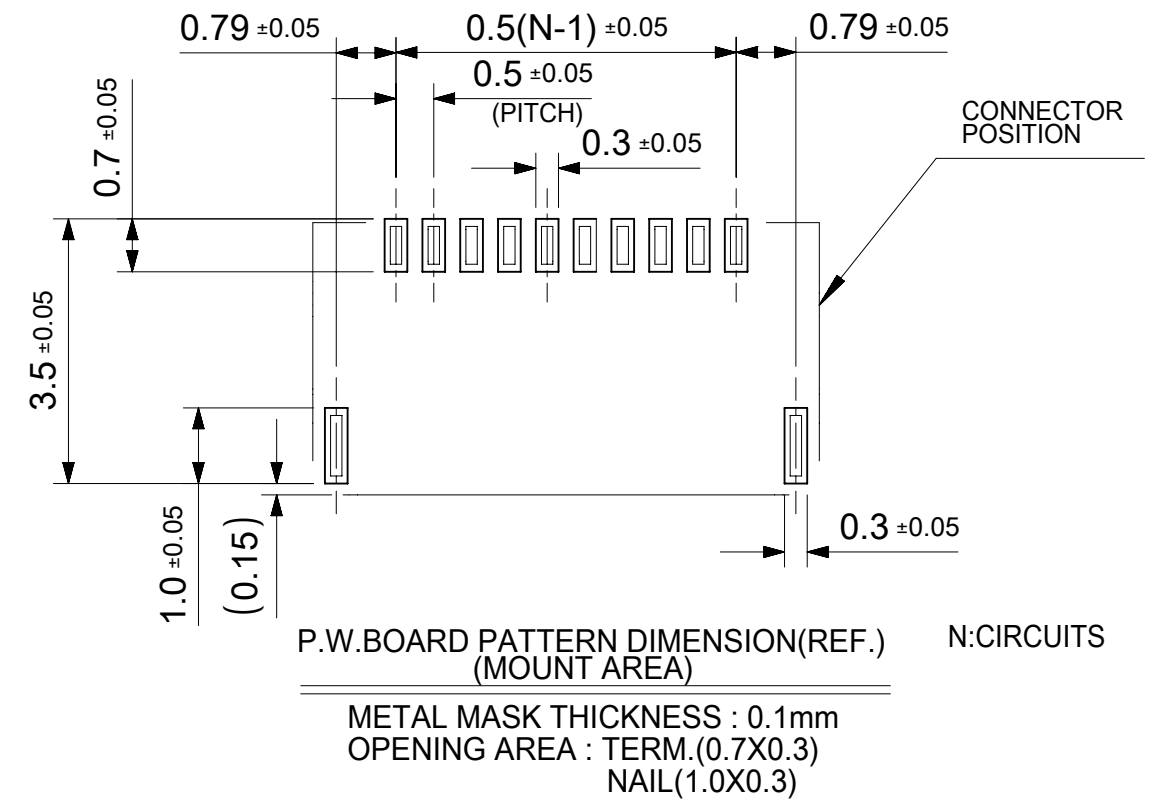
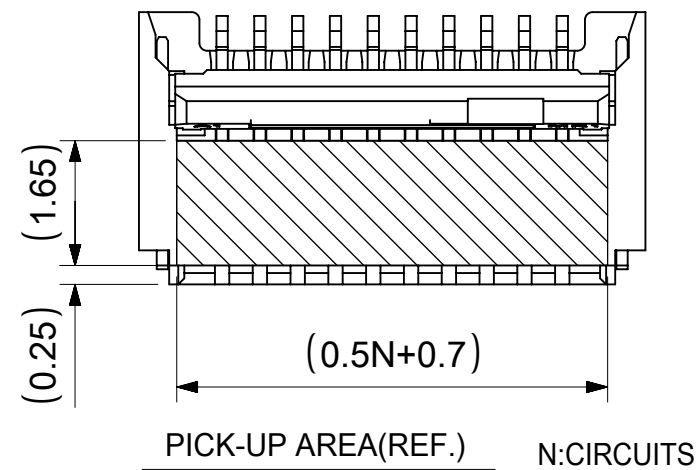
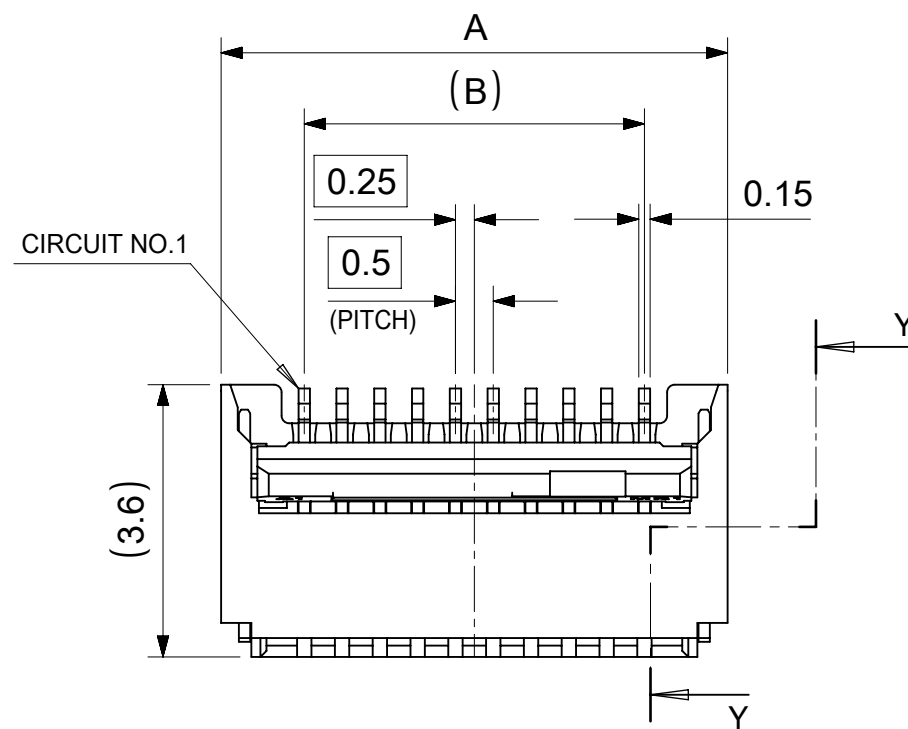
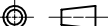




20.5	21.08	19.5	21.7	503480-4000	40
19.5	20.08	18.5	20.7	503480-3800	38
18.5	19.08	17.5	19.7	503480-3600	36
17.5	18.08	16.5	18.7	503480-3400	34
16.5	17.08	15.5	17.7	503480-3200	32
15.5	16.08	14.5	16.7	503480-3000	30
14.5	15.08	13.5	15.7	503480-2800	28
13.5	14.08	12.5	14.7	503480-2600	26
12.5	13.08	11.5	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	CIRCUIT
				ORDER NO.	
CONNECTOR SERIES No. 503480-**09					

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:				molex							
mm		1:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 740220 DRWN: NARENC CHK'D: HSHIMOYAMA APPR: YNAITO				0.5 FPC CONN. E/O BACKFLIP H=1.0MM ASSEMBLY							
ANGULAR TOL ± 1.0°				INITIAL REVISION: DRWN: THIRAYAMA APPR: KMORIKAWA				PRODUCT CUSTOMER DRAWING							
4 PLACES		± 0.2		2023/02/17				DOCUMENT NUMBER SD-503480-001							
3 PLACES		± 0.2		2023/02/27				DOC TYPE PSD							
2 PLACES		± 0.2		2023/02/27				DOC PART 001							
1 PLACE		± 0.2		2009/12/11				REVISION J							
0 PLACES		± 0.2		2009/12/14											
DRAWING WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
								A3-SIZE		503480		SEE TABLE		GENERAL MARKET	

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.

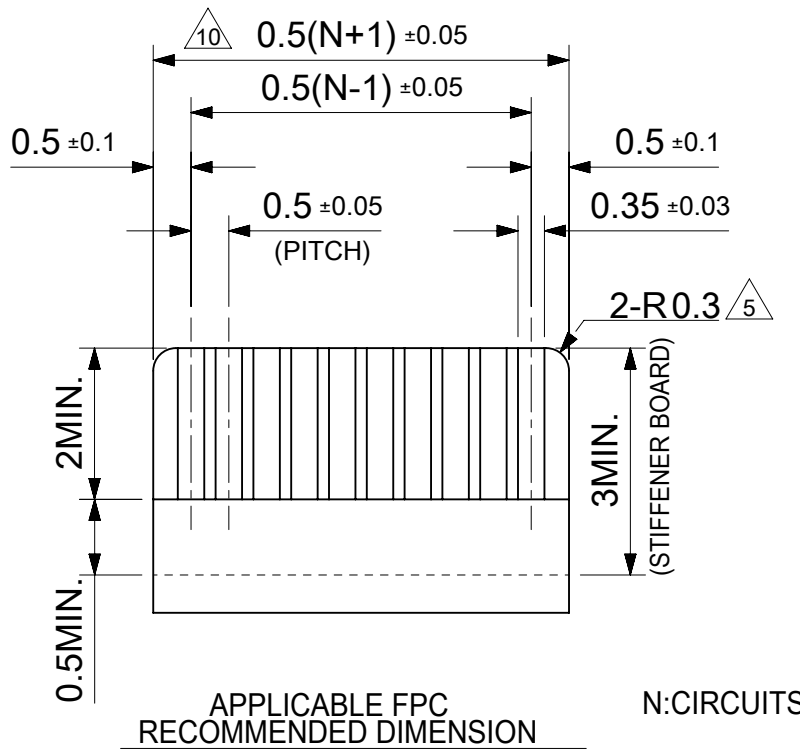
6. COPLANARITY : 0.1 MAXIMUM

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

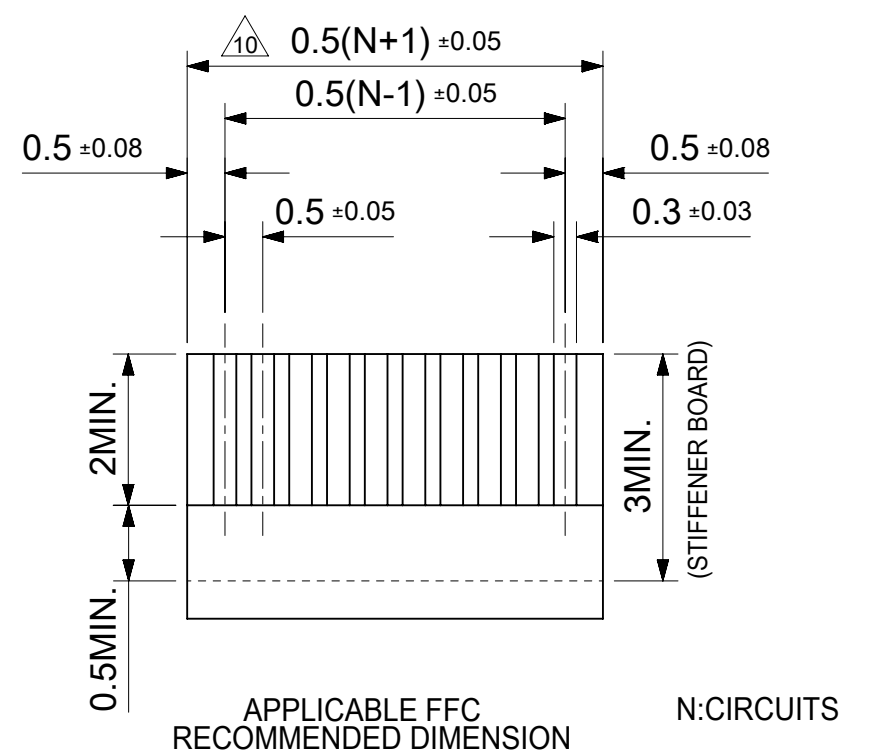
8. THIS PRODUCT IS DELIVERED WITH THE ACTUATOR
IN THE OPEN POSITION.

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)

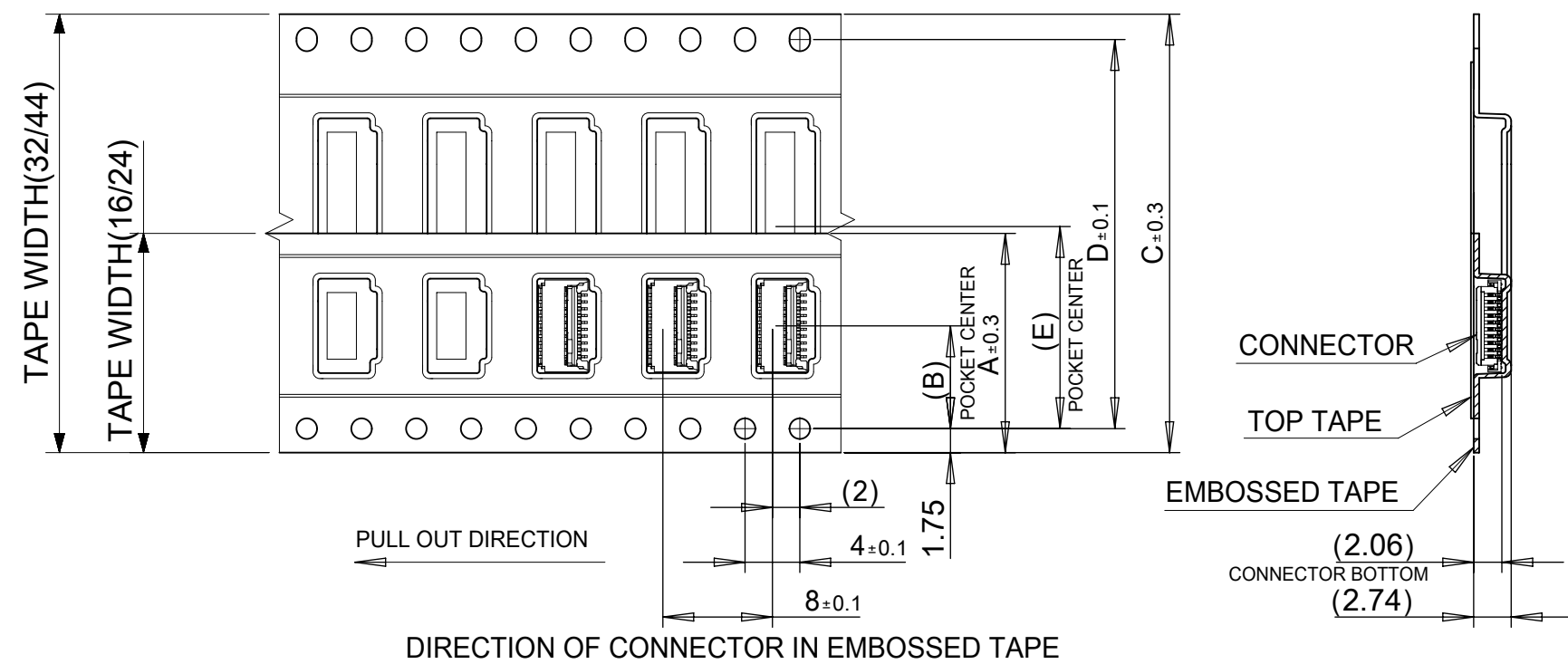
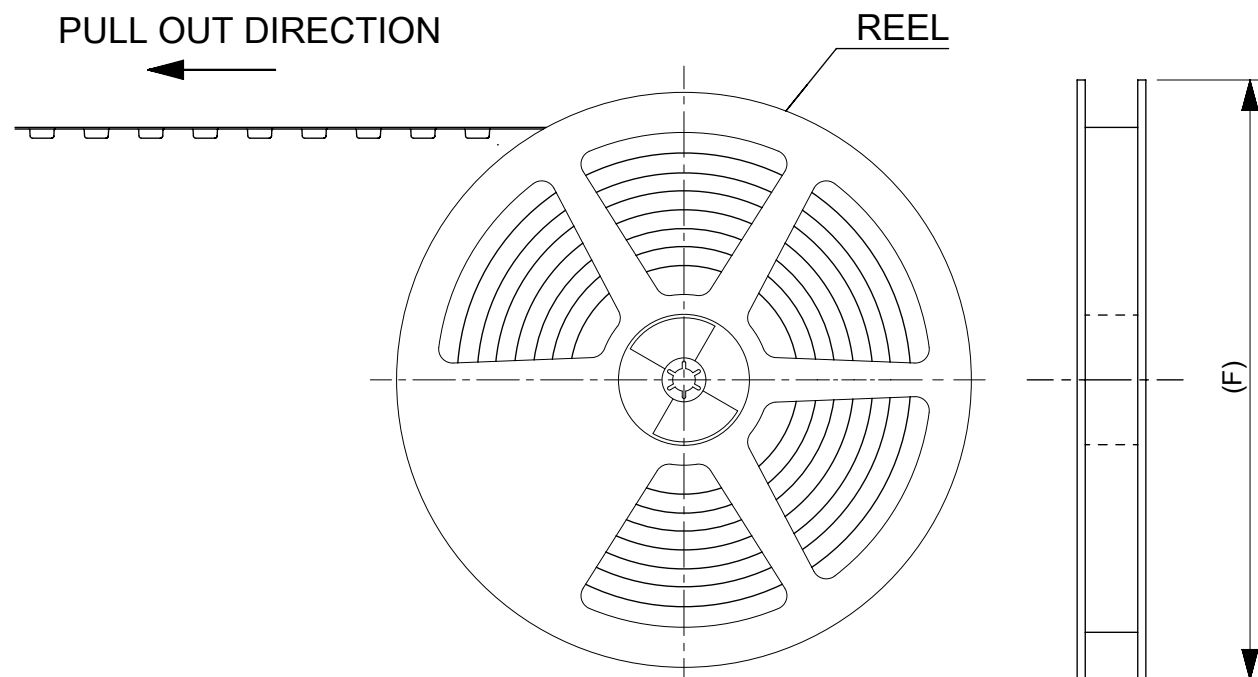
THERMOSETTING ADHESIVE

COVER FILM: POLYIMIDE(25um)

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

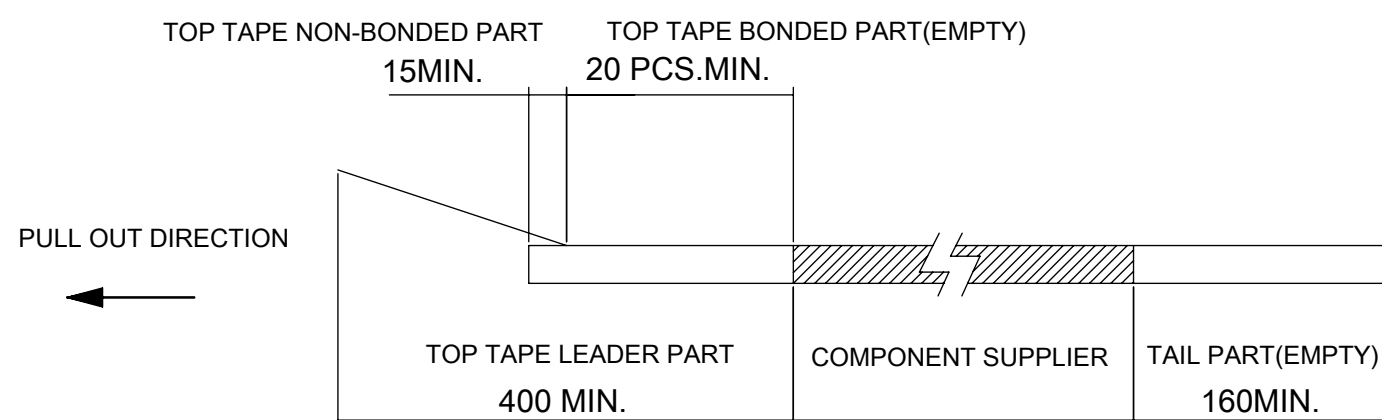
STRUCTURE OF FPC

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:				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: 740220		PRODUCT CUSTOMER DRAWING									
3 PLACES		± 0.2		DRWN: NARENC 2023/02/17											
2 PLACES		± 0.2		CHK'D: HSHIMOYAMA 2023/02/27											
1 PLACE		± 0.2		APPR: YNAITO 2023/02/27		DOCUMENT NUMBER SD-503480-001									
0 PLACES		± 0.2		INITIAL REVISION: DRWN: THIRAYAMA 2009/12/11 APPR: KMORIKAWA 2009/12/14						DOC TYPE PSD		DOC PART 001	REVISION J		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		503480		SEE TABLE		GENERAL MARKET		2 OF 2	



NOTES

1. IN THE PACKAGE, PART NO.503480-**09 DETAILED DIMENSIONS.
REFER TO SD-503480-001
2. NUMBER OF CONNECTORS : 3000PCS/REEL
3. LEAD TAPE LENGTH



4. MATERIAL
CARRIER TAPE : PET
TOP TAPE : PET, OTHER
REEL : PS (RECYCLE MATERIAL CONTAINED)
5. COVER TAPE PEEL FORCE IS DEFINED BY IEC60286-3.

380	20.2	40.4	44	-	-	44	503480-4000	(E1) 40					
							503480-3800	(E1) 38					
	503480-3600	(E1) 36											
330	14.2	28.4	32	-	-	32	503480-3400	(E1) 34					
503480-3200							32						
380	-	-	-			11.5	24	24	503480-3000	(E1) 30			
330				503480-2800	(E1) 28								
				503480-2600	26								
				503480-2400	24								
				503480-2200	22								
				503480-2000	20								
				503480-1800	18								
				503480-1700	17								
				503480-1600	16								
				503480-1400	14								
				-	-				-	7.5	16	16	503480-1200
503480-1000													10
503480-0800	8												
503480-0600	6												
503480-0500	5												
							503480-0400	4					
F	E	D	C	B	A	TAPE WIDTH	ORDER NO.	CIRCUIT					

FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
DIMENSION UNITS		SCALE	
mm		NTS	
GENERAL TOLERANCES (UNLESS SPECIFIED)		CURRENT REV DESC:	
ANGULAR TOL ± 3.0°		EC NO: 676145	
4 PLACES ±		DRWN: ICYANG 2021/07/21	
3 PLACES ±		CHK'D: SHCHU 2021/09/02	
2 PLACES ±		APPR: SHCHU 2021/09/02	
1 PLACE ±		INITIAL REVISION:	
0 PLACES ±		DRWN: THIRAYAMA 2009/12/11	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: KMORIKAWA 2009/12/14	
THIRD ANGLE PROJECTION		DRAWING	
SERIES		MATERIAL NUMBER	
A3-SIZE		CUSTOMER	
503480		SHEET NUMBER	
SEE TABLE		1 OF 1	
GENERAL MARKET			

DOCUMENT STATUS	P1	RELEASE DATE	2021/09/02	03:09:46
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E2	10 UNDER : ± 0.20 10 OVER 30 UNDER : ± 0.25 30 OVER : ± 0.30
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