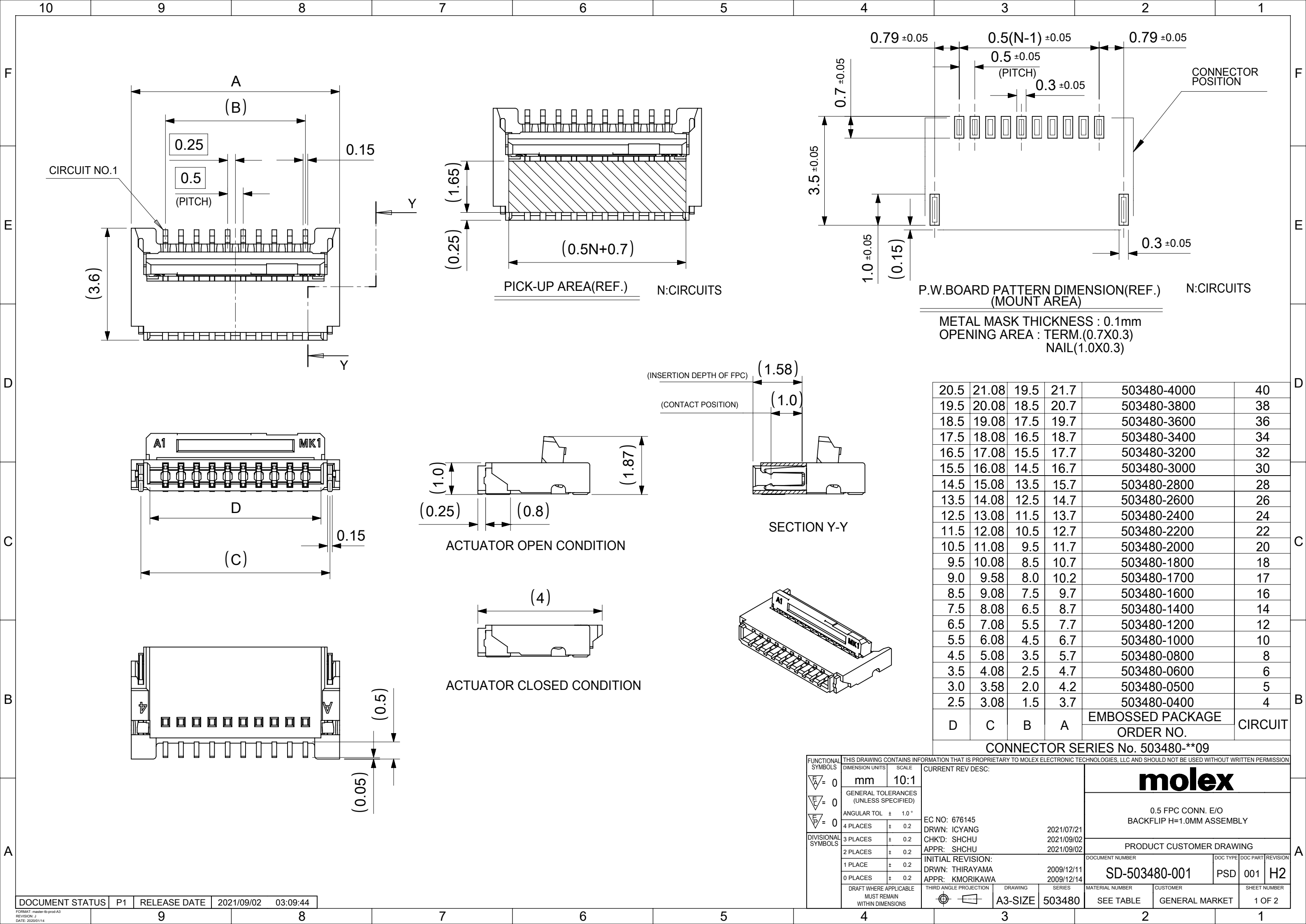




NOTES

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.

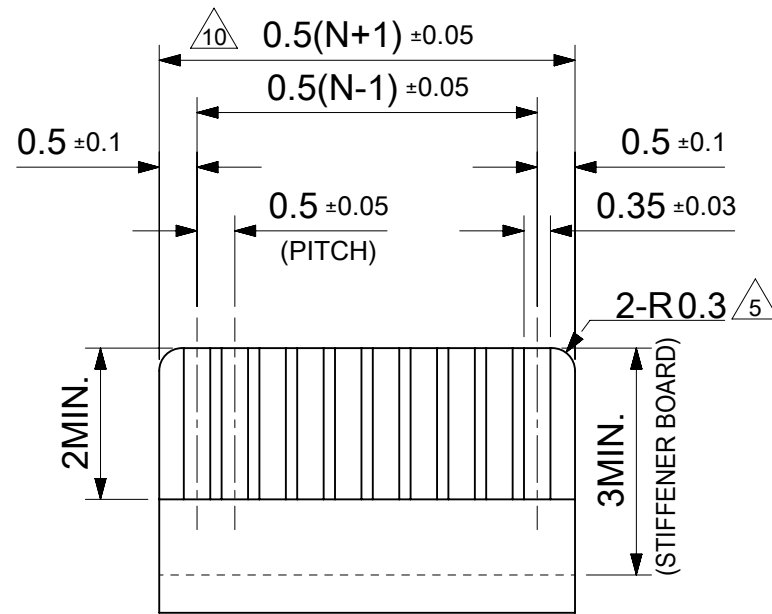
6. COPLANARITY : 0.1 MAXIMUM

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

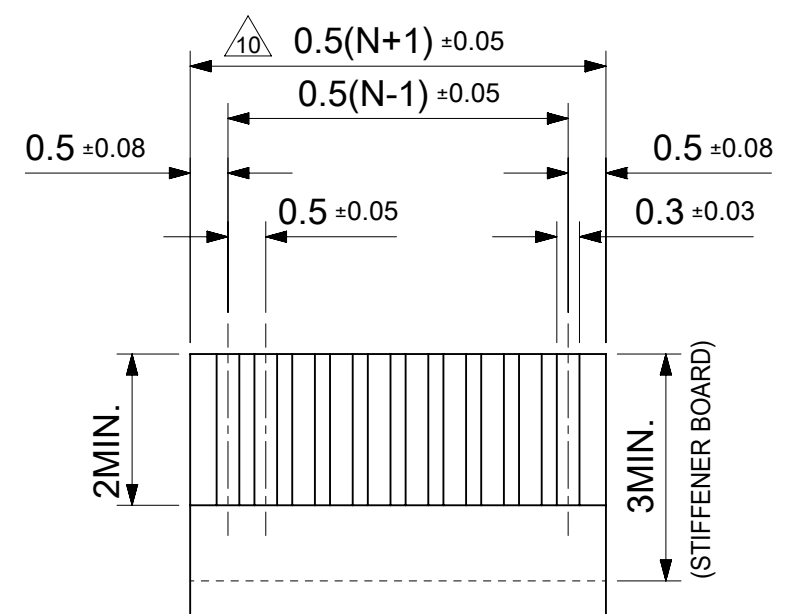
8. THIS PRODUCT IS DELIVERED WITH THE ACTUATOR
IN THE OPEN POSITION.

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 $0.5(N+1)+0.02$.



APPLICABLE FPC
RECOMMENDED DIMENSION N:CIRCUITS
(THICKNESS : 0.3±0.05) : 30 OR LESS CIRCUITS
(THICKNESS : 0.3±0.03) : 31 OR OVER CIRCUITS



APPLICABLE FFC
RECOMMENDED DIMENSION N:CIRCUITS

REINFORCE BOARD: POLYIMIDE

THERMOSETTING ADHESIVE

BASE FILM: POLYIMIDE(25um)

THERMOSETTING ADHESIVE

COPPER FOIL (35um)

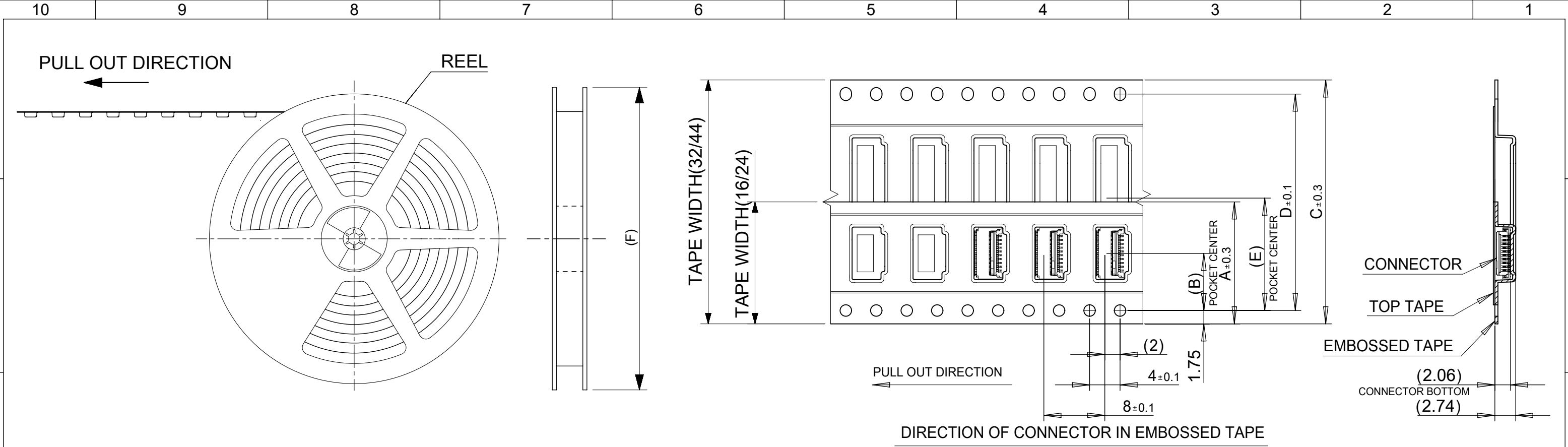
THERMOSETTING ADHESIVE

COVER FILM: POLYIMIDE(25um)

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

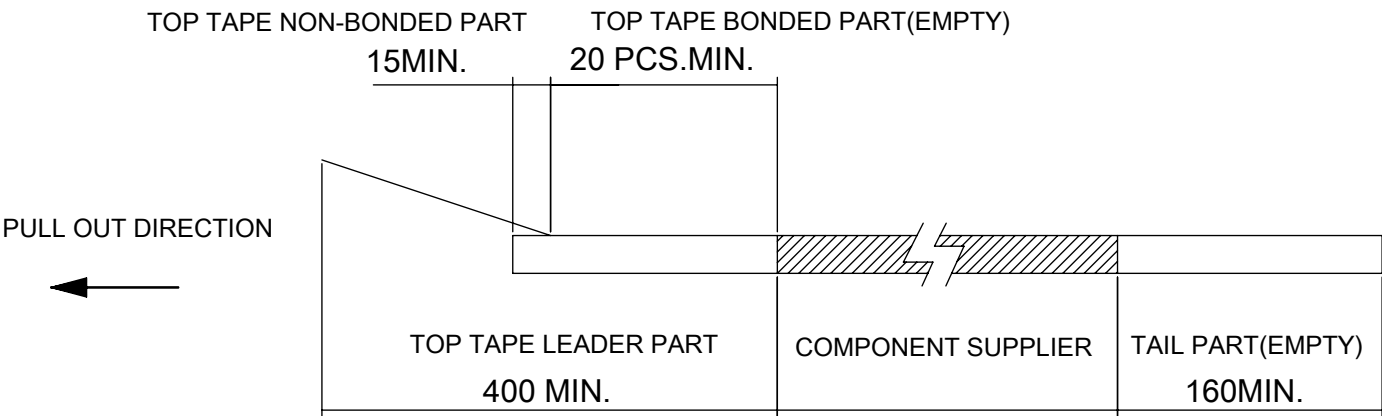
STRUCTURE OF FPC

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		CURRENT REV DESC:			molex							
	mm		10:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)							0.5 FPC CONN. E/O BACKFLIP H=1.0MM ASSEMBLY							
ANGULAR TOL ± 1.0°															
= 0	4 PLACES		± 0.2		EC NO: 676145			PRODUCT CUSTOMER DRAWING							
= 0	3 PLACES		± 0.2		DRWN: ICYANG 2021/07/21										
= 0	2 PLACES		± 0.2		CHK'D: SHCHU 2021/09/02										
DIVISIONAL SYMBOLS	1 PLACE		± 0.2		APPR: SHCHU 2021/09/02			DOCUMENT NUMBER			DOC TYPE	DOC PART	REVISION		
	0 PLACES		± 0.2		INITIAL REVISION:			SD-503480-001			PSD	001	H2		
					DRWN: THIRAYAMA 2009/12/11										
					APPR: KMORIKAWA 2009/12/14										
		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
							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
330	-	-	-	7.5	16	16	503480-1200	12
							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

$\nabla_A = 0$

$\nabla_E = 0$

$\nabla_F = 0$

DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

mm

SCALE

NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL

± 3.0 °

4 PLACES

±

3 PLACES

±

2 PLACES

±

1 PLACE

±

0 PLACES

±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 676145

DRWN: ICYANG

CHK'D: SHCHU

APPR: SHCHU

INITIAL REVISION:

DRWN: THIRAYAMA

APPR: KMORIKAWA

2021/07/21

2021/09/02

2021/09/02

2009/12/11

2009/12/14

THIRD ANGLE PROJECTION

DRAWING

SERIES

A3-SIZE

503480

molex

0.5 FPC CONN. E/O
EMBOSSSED TAPE PACKAGE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

SD-503480-002

DOC TYPE

PSD

DOC PART

001

REVISION

E2

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

SHEET NUMBER

1 OF 1