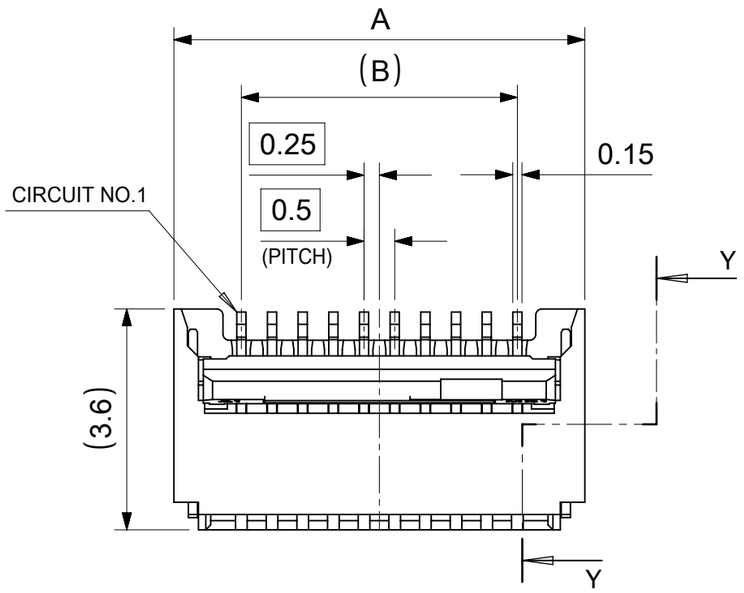
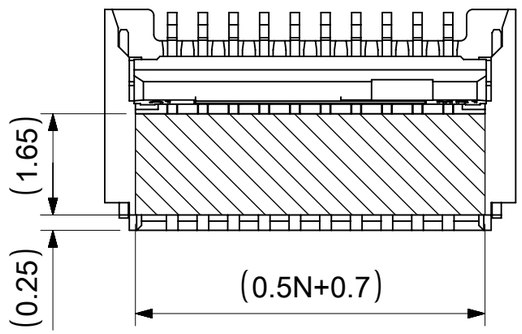
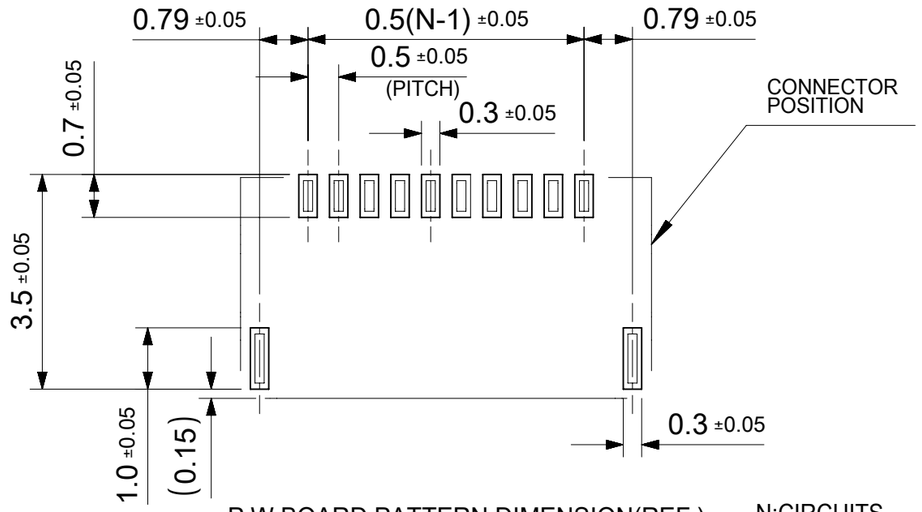




PICK-UP AREA(REF.)

N:CIRCUITS

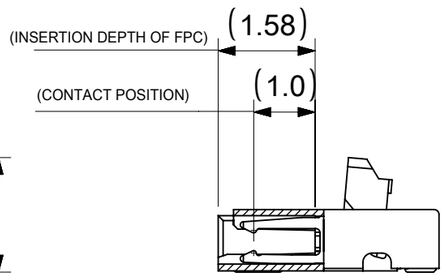


P.W.BOARD PATTERN DIMENSION(REF.)
(MOUNT AREA)

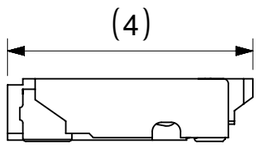
N:CIRCUITS

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

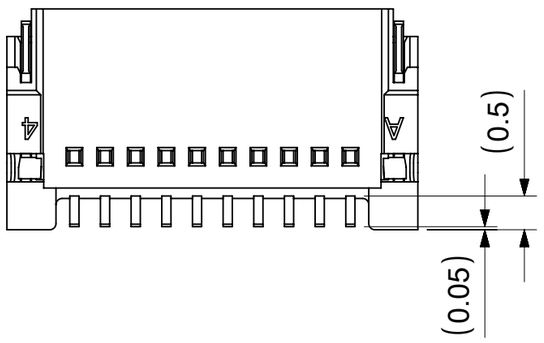
ACTUATOR OPEN CONDITION

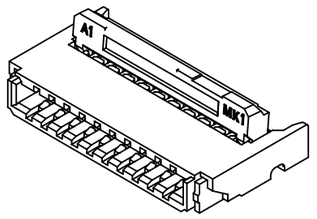


SECTION Y-Y



ACTUATOR CLOSED CONDITION





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	mm
SCALE	1:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 1.0 °
4 PLACES	± 0.2
3 PLACES	± 0.2
2 PLACES	± 0.2
1 PLACE	± 0.2
0 PLACES	± 0.2
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC:

EC NO: 740220
DRWN: NARENC 2023/02/17
CHK'D: HSHIMOYAMA 2023/02/27
APPR: YNAITO 2023/02/27

INITIAL REVISION:
DRWN: THIRAYAMA 2009/12/11
APPR: KMORIKAWA 2009/12/14

molex

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

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-503480-001	PSD	001	J

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	503480	SEE TABLE	GENERAL MARKET	1 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2023/02/27 07:15:16

FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01

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.

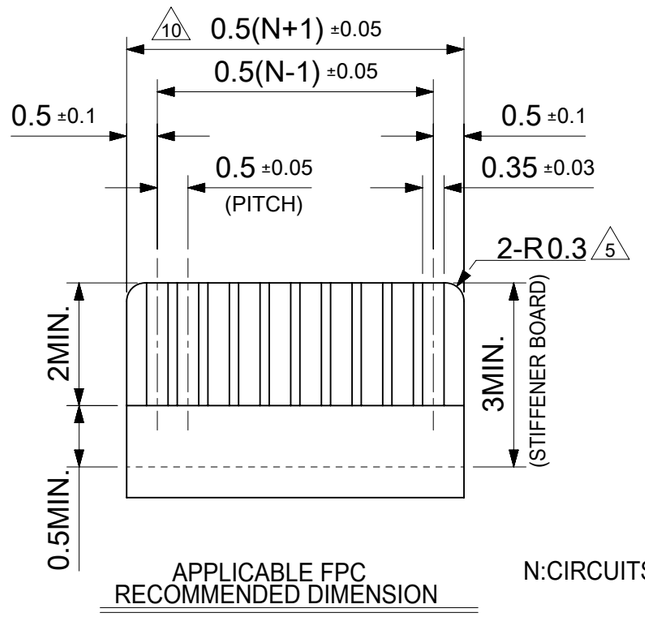
6. COPLANARITY : 0.1 MAXIMUM

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.

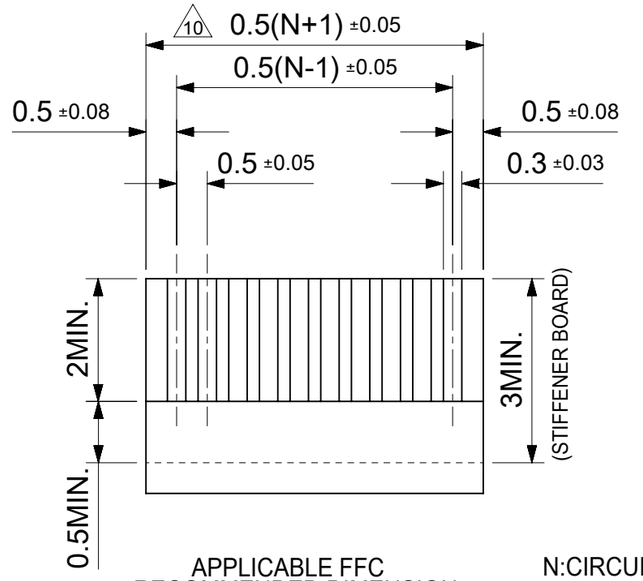
△10 PLEASE CONFIRM TO INSERT FPC IN ADVANCE WHEN FPC WIDTH IS OVER 0.5(N+1)+0.02.



APPLICABLE FPC RECOMMENDED DIMENSION

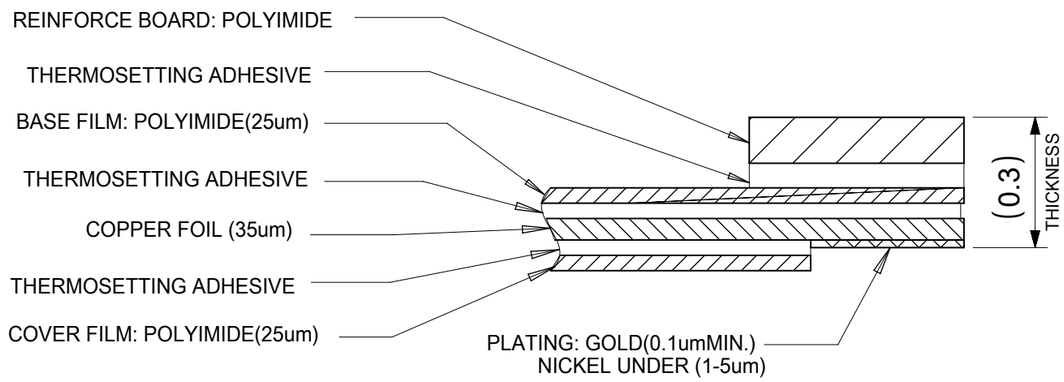
N:CIRCUITS

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



APPLICABLE FFC RECOMMENDED DIMENSION

N:CIRCUITS



STRUCTURE OF FPC

DIMENSION UNITS	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	1.0 °
4 PLACES	±	0.2
3 PLACES	±	0.2
2 PLACES	±	0.2
1 PLACE	±	0.2
0 PLACES	±	0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 740220
DRWN: NARENC 2023/02/17
CHK'D: HSHIMOYAMA 2023/02/27
APPR: YNAITO 2023/02/27

INITIAL REVISION:
DRWN: THIRAYAMA 2009/12/11
APPR: KMORIKAWA 2009/12/14

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 503480

molex

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

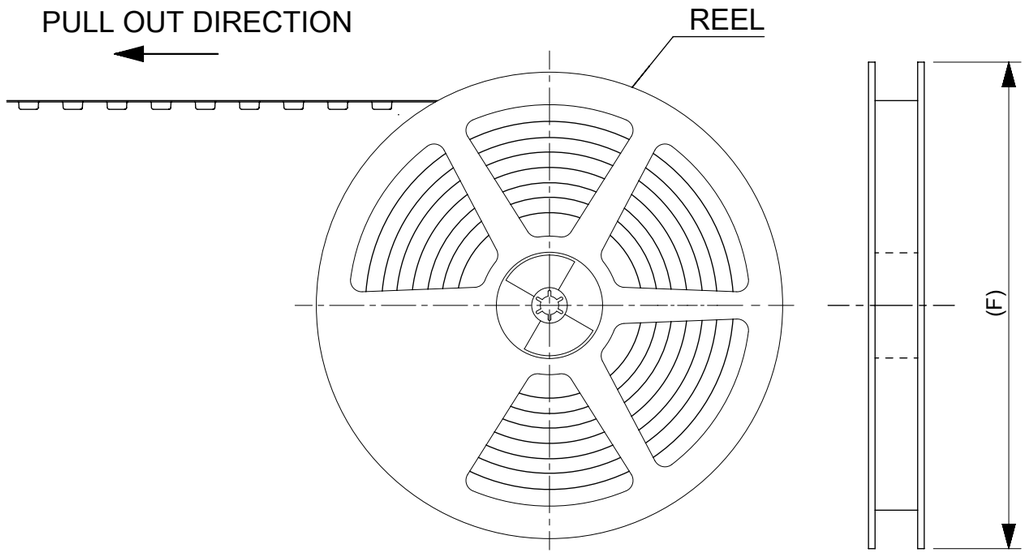
PRODUCT CUSTOMER DRAWING

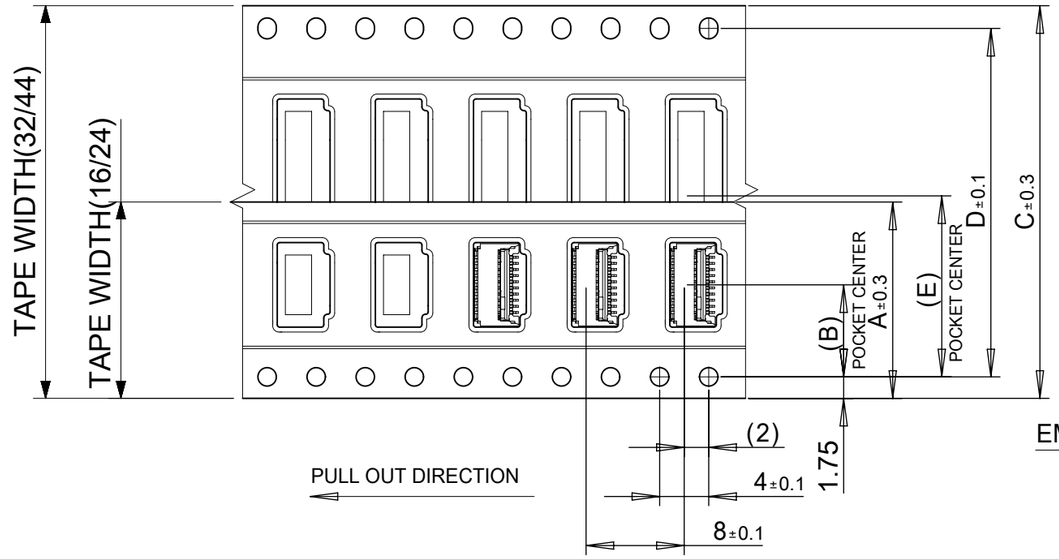
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-503480-001	PSD	001	J

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	2 OF 2

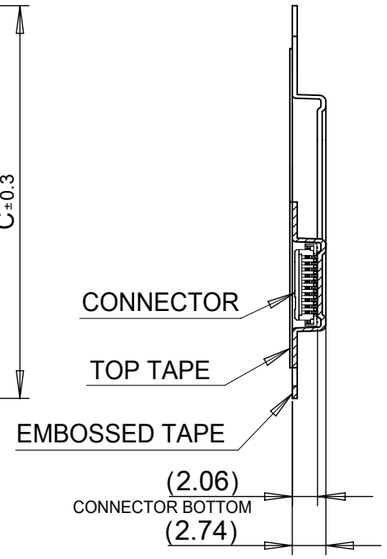
DOCUMENT STATUS	P1	RELEASE DATE	2023/02/27 07:15:16

FORMAT: master-lb-prod-A3
REVISION: J1
DATE: 2021/05/01





DIRECTION OF CONNECTOR IN EMBOSSED TAPE

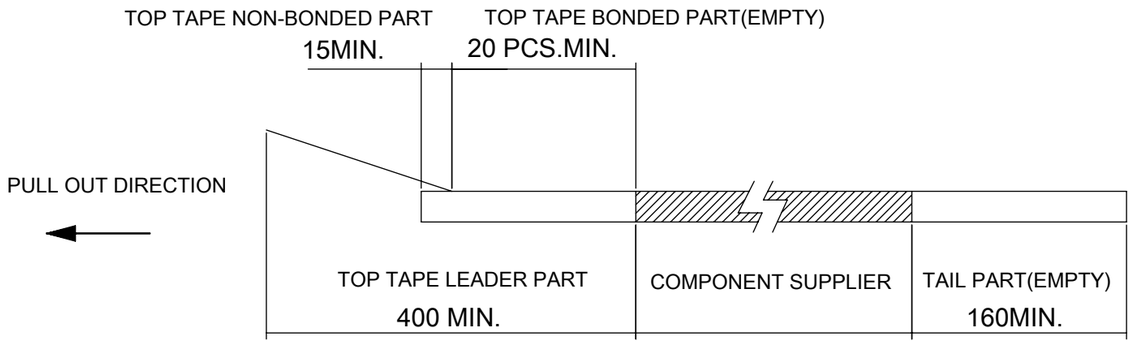


NOTES

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.

F	E	D	C	B	A	TAPE WIDTH	ORDER NO.	CIRCUIT
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
380							503480-3200	32
							503480-3000	(E1) 30
330	-	-	-	11.5	24	24	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	12
							503480-1000	10
							503480-0800	8
							503480-0600	6
							503480-0500	5
							503480-0400	4

(E2) 10 UNDER : ±0.20
10 OVER 30 UNDER : ±0.25
30 OVER : ±0.30

FUNCTIONAL SYMBOLS: FA = 0, FC = 0, FP = 0
DIVISIONAL SYMBOLS

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 2021/07/21
CHK'D: SHCHU 2021/09/02
APPR: SHCHU 2021/09/02
INITIAL REVISION:
DRWN: THIRAYAMA 2009/12/11
APPR: KMORIKAWA 2009/12/14

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 503480

molex

0.5 FPC CONN. E/O
EMBOSSED TAPE PACKAGE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-503480-002	PSD	001	E2

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	1 OF 1

DOCUMENT STATUS	P1	RELEASE DATE	2021/09/02 03:09:46

FORMAT: master_Drwg-A3
REVISION: J
DATE: 2020/01/16