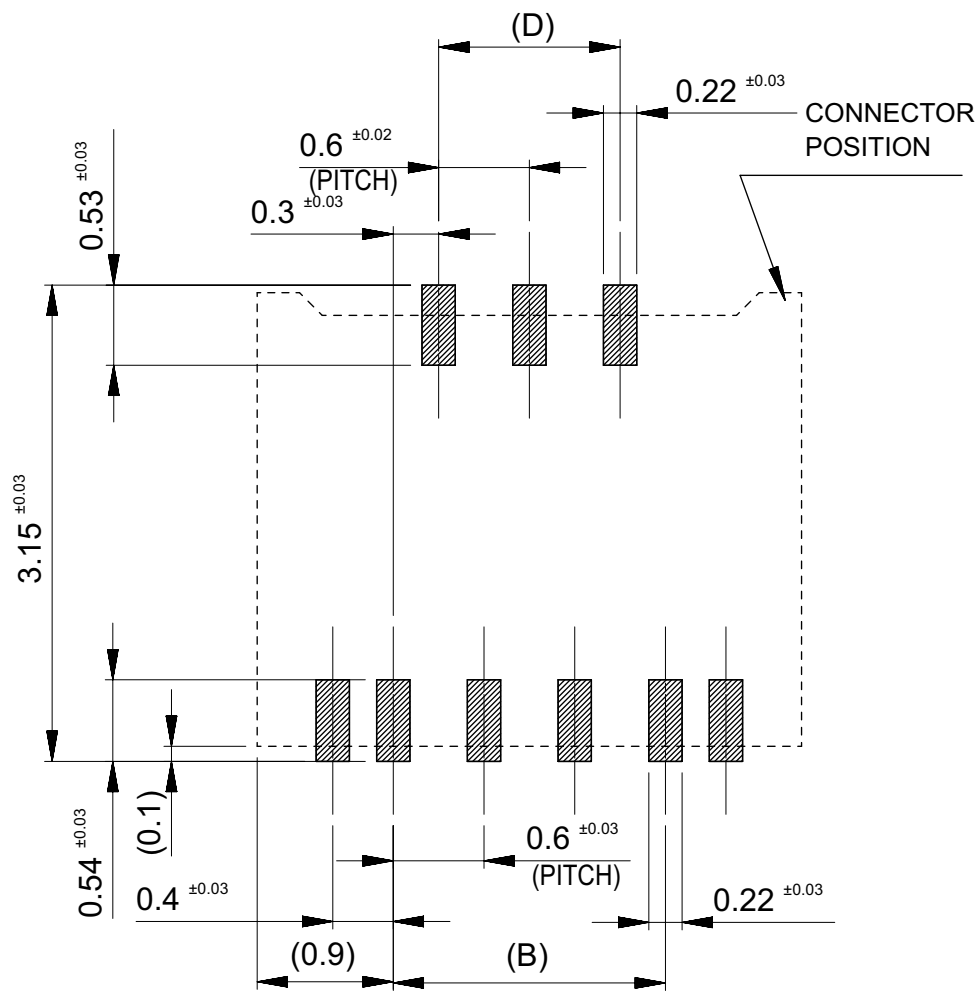


NOTES:
 1. MATERIAL
 HOUSING: LIQUID CRYSTAR POLYMER, BLACK, GLASS FILLED, UL94 V-0
 ACTUATOR:
 LCP TYPE: LIQUID CRYSTAL POLYMER, NATURAL GLASS FILLED, UL94 V-0
 ODD TERMINAL: COPPER ALLOY(t=0.10)
 EVEN TERMINAL: COPPER ALLOY(t=0.10)
 LOCK TERMINAL: COPPER ALLOY(t=0.10)
 2. PLATING
 CONTACT AREA: SEPARATED GOLD PLATING (0.1 MICROMETER MINIMUM)
 SOLDER TAIL AREA: SEPARATED GOLD PLATING UNDERPLATE: NICKEL PLATING(1.0 MICROMETER MINIMUM)
 LOCK TERMINAL
 SOLDER TAIL AREA: SEPARATED GOLD PLATING UNDERPLATE: NICKEL PLATING(1.0 MICROMETER MINIMUM)
 3. TAILS' COPLANARITY TO BE 0.1 MAXIMUM.
 4. ELV AND RoHS COMPLIANT

18.5	17.4	19.3	18.0	19.8	FPC03-504754-6140	61
15.5	14.4	16.3	15.0	16.8	FPC03-504754-5140	51
12.5	11.4	13.3	12.0	13.8	FPC03-504754-4140	41
11.9	10.8	12.7	11.4	13.2	FPC03-504754-3940	39
11.3	10.2	12.1	10.8	12.6	FPC03-504754-3740	37
10.7	9.6	11.5	10.2	12.0	FPC03-504754-3540	35
10.1	9.0	10.9	9.6	11.4	FPC03-504754-3340	33
9.5	8.4	10.3	9.0	10.8	FPC03-504754-3140	31
7.7	6.6	8.5	7.2	9.0	FPC03-504754-2540	25
6.5	5.4	7.3	6.0	7.8	FPC03-504754-2140	21
4.7	3.6	5.5	4.2	6.0	FPC03-504754-1540	15
3.5	2.4	4.3	3.0	4.8	FPC03-504754-1140	11
2.9	1.8	3.7	2.4	4.2	FPC03-504754-0940	9
2.3	1.2	3.1	1.8	3.6	FPC03-504754-0740	7
E	D	C	B	A	EMBOSSED PACKAGE	CIRCUITS

(5: 1)
 RECOMMENDED PICK UP AREA

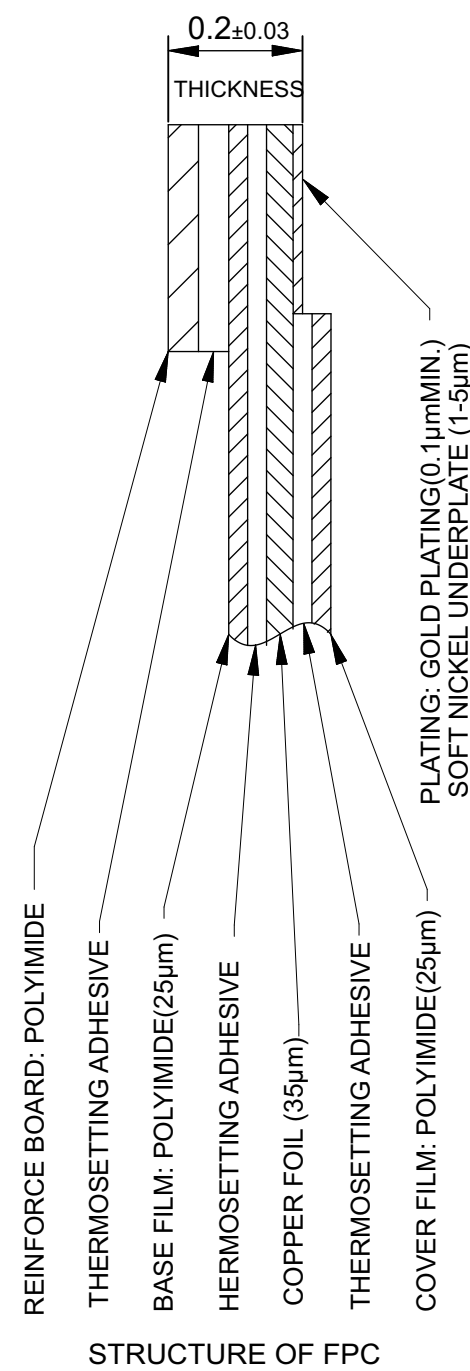
GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ±1.0° 4 PLACES ^{2A} ± 0.03 3 PLACES ± 0.03 2 PLACES ± 0.05 1 PLACE ± 0.1 0 PLACES ± 0.2 DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MM	20:1	Sinkelee			
	DRWN BY	DATE				PART NUMBER
	Jack	2016/03/18	FPC03-504754-1140			
	APPR BY	DATE	PRODUCT CUSTOMER DRAWING			
	Joseon	2016/03/31	MATERIAL NUMBER	CUSTOMER		
APPR BY	DATE	SEE SHEET 1				
TKUSUHARA01	2016/03/31	DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER
DRAWING SIZE	THIRD ANGLE PROJECTION	5047541000		PSD	000	1 OF 2
A3						



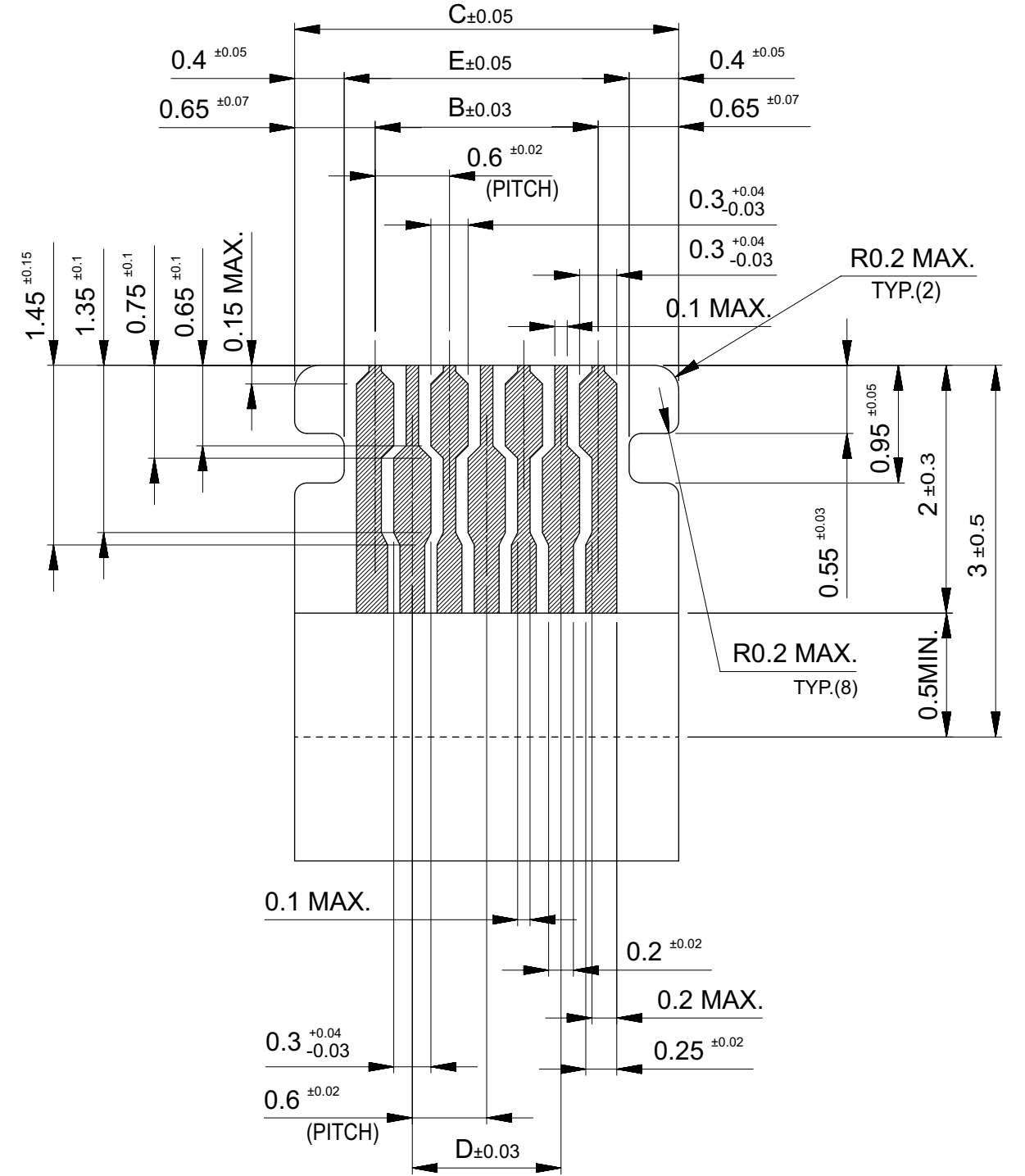
RECOMMENDED P.C. BOARD PATTERN LAYOUT

RECOMMENDED METAL MASK THICKNESS : 0.1mm

APERTURE RATE: 70%



STRUCTURE OF FPC



APPLICABLE FPC WITH GOLD PLATING
RECOMMENDED DIMENSION
THICKNESS : 0.2 ±0.03

- NOTE
PLEASE OPERATE THE ACTUATOR AFTER MOUNTING ON THE SUBSTRATE
- 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.

GENERAL TOLERANCES (UNLESS SPECIFIED)	MM	20:1	Sinkelee		
	DRWN BY	DATE			
ANGULAR TOL ±1.0°	Jack	2016/03/18	FPC03-504754-1140		
4 PLACES ^{2A} ±	0.03	APPR BY	DATE	PRODUCT CUSTOMER DRAWING	
3 PLACES ±	0.03	Joson	2016/03/31		
2 PLACES ±	0.05	APPR BY	DATE	MATERIAL NUMBER	
1 PLACE ±	0.1	TKUSUHARA01	2016/03/31		
0 PLACES ±	0.2	DRAWING SIZE	THIRD ANGLE PROJECTION	SEE SHEET 1	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	A3			DOCUMENT NUMBER	5047541000
		DOC TYPE	DOC PART	SHEET NUMBER	
		PSD	000	2 OF 2	