RoHS Compliant 2011/65/EU

NOTES:

1.HUOSING: LCP HIGH-TEMP THERMOPLASTIC UL94V-0 COLOR:NATURE

2.ACTUATOR: LCP HIGH-TEMP THERMOPLASTIC UL94V-0 COLOR:BLACK

3.TERMINAL: COPPER ALLOY

PLATING:3μ"GOLD FOR CONTACT AREA AND SOLDER AREA
OVERALL 50~100μ"NICKEL UNDER PLATED.

4.FITTING NAIL: COPPER ALLOY

PLATING:100~150μ"TIN(LEAD FREE)
OVERALL 50~100μ"NICKEL UNDER PLATED.

5.SPECIFICATION:

CURRENT RATING: 0.5A 50V AC/DC

CONTACT RESISTANCE: 30mΩ MAX

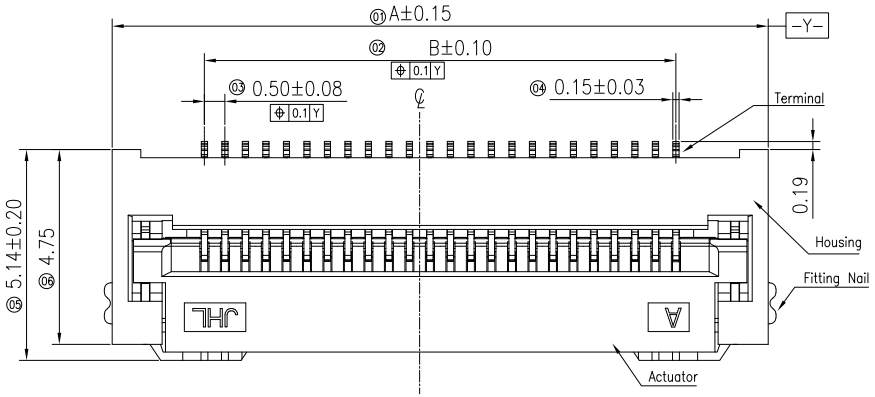
INSULATION RESISTANCE: 500MΩ AT 250V DC

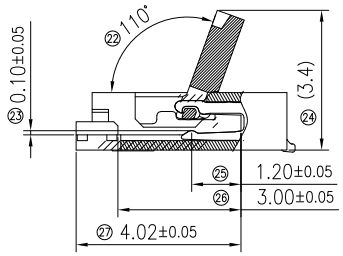
OPERATING TEMPERATURE RANGE: -25°C~85°C

WITHSTANDING VOLTANG: 250V AC/minute

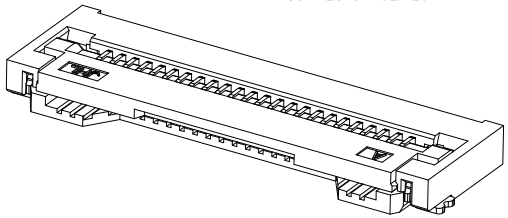
6.CODING INFORMATION: THD05137-xxCL-G3

- 3μ"GOLD PLATING
- NO. OF CONTACTS
- 0.5PITCH 1.45H R/A SMT Connector
- CONNECTOR SERIES

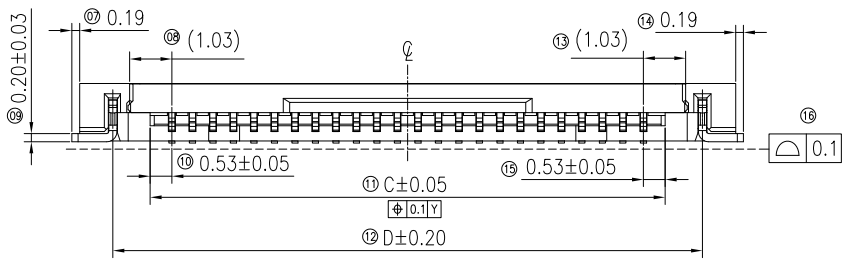


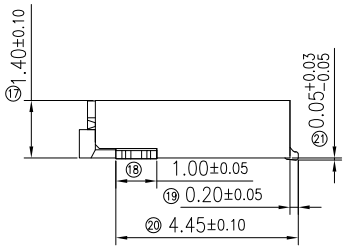


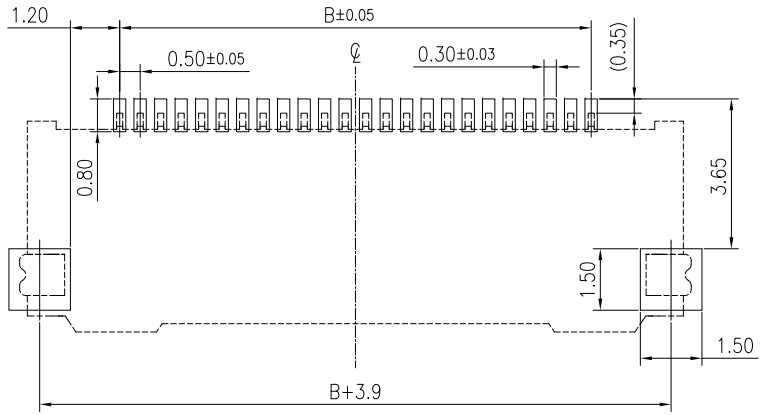
CABLE INSERT DIM.



3D VIEW

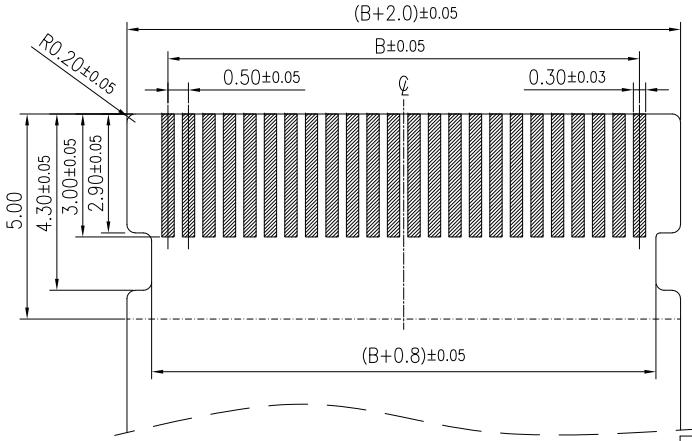






RECOMMENDED PCB PATTERN DIM.

TOLERANCE : ±0.05



APPLICABLE FPC/FFC

FFC THICKNESS=0.30$^{+0.03}_{-0.01}$

NO.of contacts	Dimensions A.	B.	C.	D.	NO.of contacts	Dimensions A.	B.	C.	D.
4	6.00	1.50	2.56	4.38	23	15.50	11.00	12.06	13.88
5	6.50	2.00	3.06	4.88	24	16.00	11.50	12.56	14.38
6	7.00	2.50	3.56	5.38	25	16.50	12.00	13.06	14.88
7	7.50	3.00	4.06	5.88	26	17.00	12.50	13.56	15.38
8	8.00	3.50	4.56	6.38	27	17.50	13.00	14.06	15.88
9	8.50	4.00	5.06	6.88	28	18.00	13.50	14.56	16.38
10	9.00	4.50	5.56	7.38	29	18.50	14.00	15.06	16.88
11	9.50	5.00	6.06	7.88	30	19.00	14.50	15.56	17.38
12	10.00	5.50	6.56	8.38	31	19.50	15.00	16.06	17.88
13	10.50	6.00	7.06	8.88	32	20.00	15.50	16.56	18.38
14	11.00	6.50	7.56	9.38	33	20.50	16.00	17.06	18.88
15	11.50	7.00	8.06	9.88	34	21.00	16.50	17.56	19.38
16	12.00	7.50	8.56	10.38	35	21.50	17.00	18.06	19.88
17	12.50	8.00	9.06	10.88	36	22.00	17.50	18.56	20.38
18	13.00	8.50	9.56	11.38	37	22.50	18.00	19.06	20.88
19	13.50	9.00	10.06	11.88	38	23.00	18.50	19.56	21.38
20	14.00	9.50	10.56	12.38	39	23.50	19.00	20.06	21.88
21	14.50	10.00	11.06	12.88	40	24.00	19.50	20.56	22.38
22	15.00	10.50	11.56	13.38	41	24.50	20.00	21.06	22.88

REV.	REVISIONS	CHK	DATE

CUSTOMER

惠州新宝华科技有限公司
Huizhou New Baohua Technology Co., LTD

GENERAL TOLERANCE UNLESS OTHERWISE SPECIFIED

X.X	±0.25
X.XX	±0.20
X.XXX	±0.15
ANG.	±2°

DRAWN: Gary 2025.09.11
CHECKED: Kavin 2025.09.11
APPROVED: JRM 2025.09.11

PART NO. THD05137-xxCL-G3

TITLE: 0.5PITCH 1.45H FPC LOWER CONTACT R/A SMT CONN. (narrow version)

SHEET:	UNIT:	SCALE:	SIZE:	REV:
1/1	mm	1:1	A4	A