

REVISIONS					
REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A0	N/A		INITIAL RELEASE	/	/
A1	N/A		吸取高温胶纸形状变更, 图面升级整理图面	2024.12.14	阿树

Note:
Mechanical
Mating force:40.0kgf max
Unmating force:4.4kgf Min
Durability:30Cycles
Electrical
Current Rating:0.5A max: Percontact
Contact Resistance:55mΩ max(Initial),75mΩ max(After)
Dielectric Withstanding Voltage:200VAC
Insulation Resistance 100mega ohms min. at 500 V DC
Physical
Housing:thermoplastic, UL 94V-0 rated,in White Color
Contact: Copper alloy
Operating Temperature:-40°C~+125°C

PART NO.:
X0510 F V S-144 A S-LP V01
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨
①Series No
②Category:F-Female
③Welding Board Angle:V-Straight 180°
④Welading Way:S-SMT
⑤Row No.Pin No:XX-80~220P
⑥Height:A=5.45mm
Mating Height 6.0mm
⑦Special No:S-With positioning Columm
⑧Material:LP-LCP UL 94V-0
⑨Plating:V01-Gold Flash

Poles	A	B	C	D	E
80	26.80	22.10	19.50	23.30	22.70
100	31.80	27.10	24.50	28.30	27.70
120	36.80	32.10	29.50	33.30	32.70
140	41.80	37.10	34.50	38.30	37.70
144	42.80	38.10	35.50	39.30	38.70
168	48.80	44.10	41.50	45.30	44.70
200	56.80	52.10	49.50	53.30	52.70
220	61.80	57.10	54.50	58.30	57.70

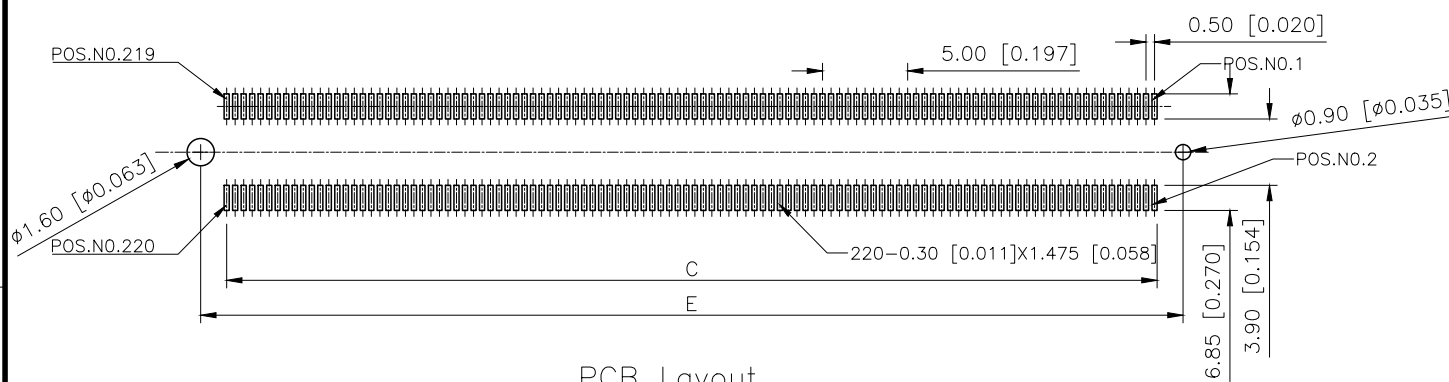
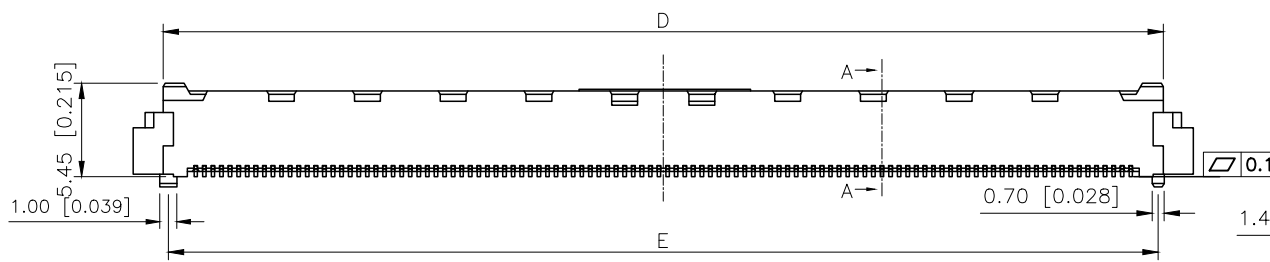
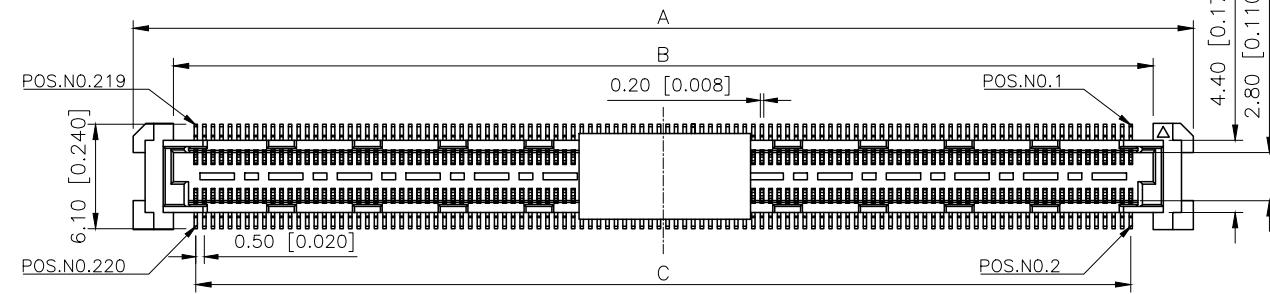
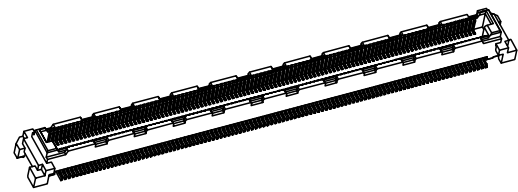
X0510FVS-144AS-LPV01	LCP	Copper alloy Gold Flash	X0510F
PART NO	Material	Material(Pin)	Suitable XKB Female

AuGLAR	±5°
X.	±0.40
X.x	±0.30
X.xx	±0.20
X.xxx	±0.15
UNSPECIFIED TOLERANCES	



DESIGN	阿树	VIEW:		MODEL TYPE: 0.5mm BTB Style Connector
CHECKED		UNIT:	mm/in	PART NO.: X0510FVS-144AS-LPV01
APPROVED		SIZE:	A4	DWG NO.: X-X0510FVS-144AS-LPV01

SCALE	PAGE	REVISION
N/A	1/1	A1



PCB Layout