

| 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-168 A S-LP V01  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨  
①Series No  
②Category:F-Female  
③Welding Board Angle:V-Straight 180°  
④Welding Way:S-SMT  
⑤Row No.Pin No:XX-80~220P  
⑥Height:A=5.45mm  
Mating Height 6.0mm  
⑦Special No:S-With positioning Column  
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 |

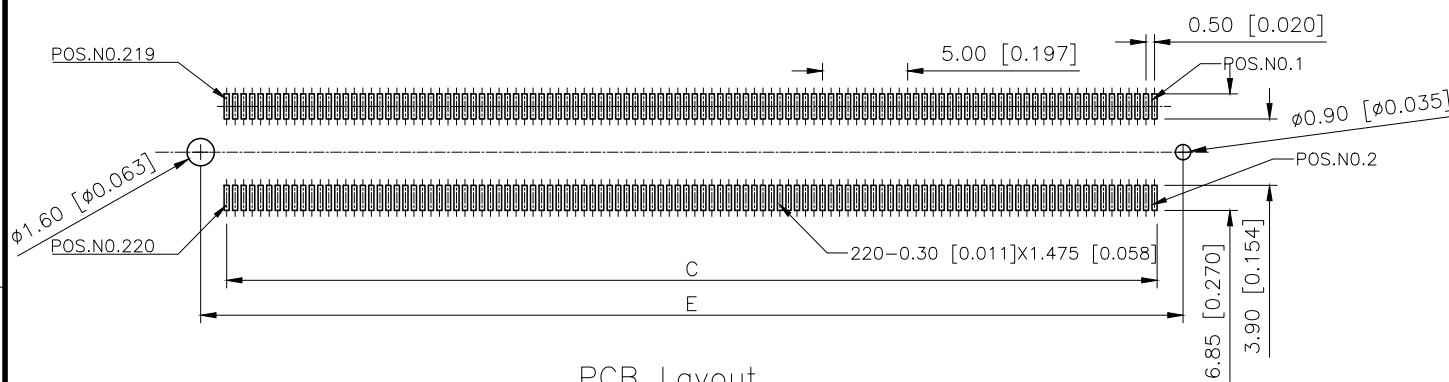
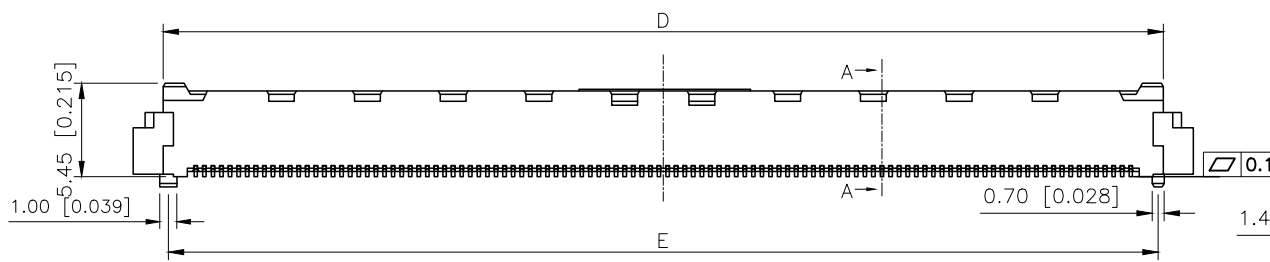
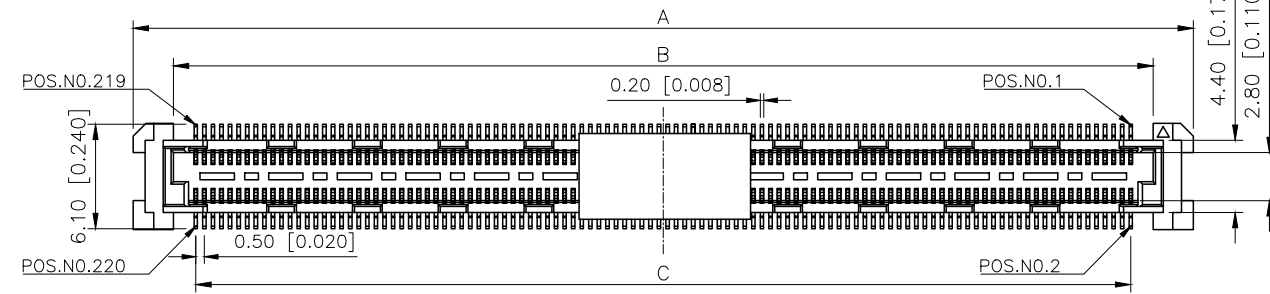
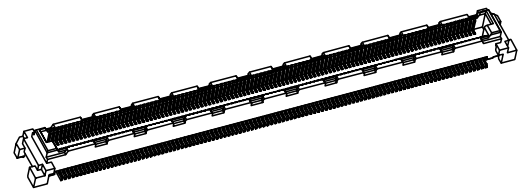
|                      |          |                            |                        |
|----------------------|----------|----------------------------|------------------------|
| X0510FVS-168AS-LPV01 | LCP      | Copper alloy<br>Gold Flash | X0510F                 |
| PART NO              | Material | Material(Pin)              | Suitable XKB<br>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:<br>0.5mm BTB Style Connector |
| CHECKED  |    | UNIT: | mm/in | PART NO.:<br>X0510FVS-168AS-LPV01        |
| APPROVED |    | SIZE: | A4    | DWG NO.:<br>X-X0510FVS-168AS-LPV01       |

| SCALE | PAGE | REVISION |
|-------|------|----------|
| N/A   | 1/1  | A1       |



PCB Layout