

FPM-WSA52

Capacitive Fingerprint Recognition Embedded Module



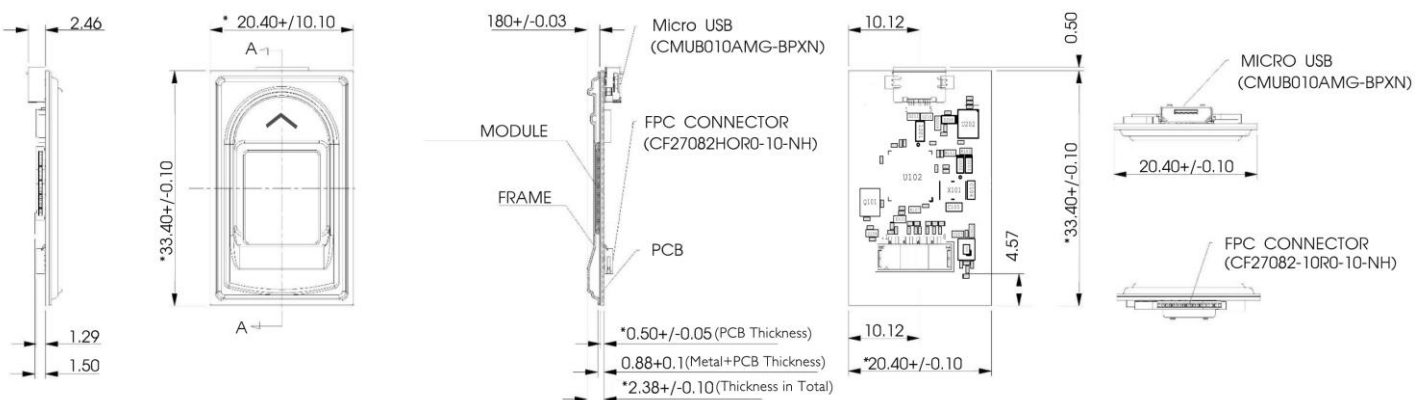
FPM-WSA52 capacitive fingerprint recognition module is a standalone solution with capacitive fingerprint sensor, algorithm processor and on-board template storage. As a total solution, FPM-WSA52 can be used standalone or connected to a host CPU over USB and UART. It can be widely applied in various fields such as access control systems, locks and safes, medical equipment, security applications and time & attendance.



| SPECIFICATION | | |
|--------------------------------|---|------------------------|
| MCU | ARM Cortex M4 Core (ST STM32F401) | |
| Resolution | 508 DPI | |
| Sensing Area | 14 x 11mm | |
| Sensor Type | Capacitance Type | |
| Interface | USB 2.0, UART | |
| Authentication | Verify (1:1) or Identify (1:N) | |
| Hardness / Surface | Up to 8H / Cermet-like Coating | |
| FAR / FRR | < 0.001% / < 1% | |
| No. of Placements | > 2.5 million finger placements | |
| Power input | 5VDC | |
| Anti-ESD | HBM Air Discharging +/-15KV | |
| Pixel matrix / Color | 192 x 192 pixels / 256 true gray scale values | |
| Quantity of Stored Fingerprint | 200 pcs | |
| Connector Type | 8 pin, 1mm pitch FPC connector; Micro USB connector | |
| Environment | Operating Tem | 20 ~ 60° C / < RH 90% |
| | Storage Temp. | -20 ~ 85° C / < RH 90% |
| Module Dimension | 20.4 x 33.4 x 4.75mm (W x L x T) | |
| Weight | 3.3 gram | |



DIMENSION



* Features and specification are subject to change without notice.



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