

Integration

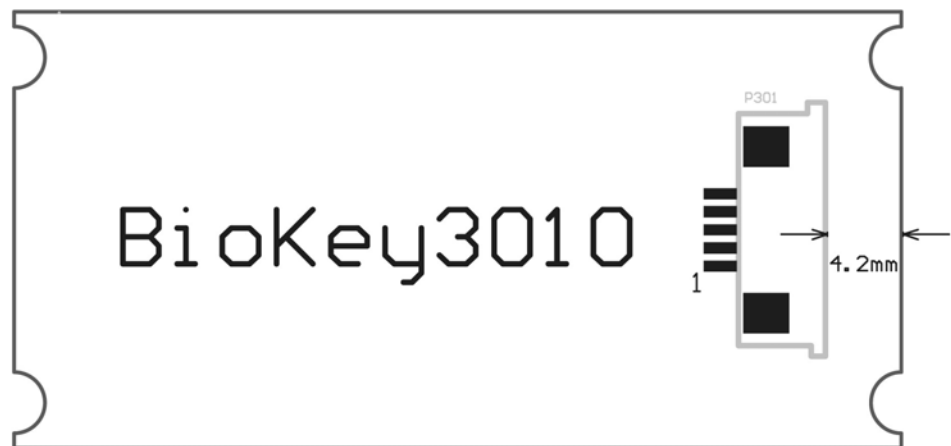
(01/08/2006 v1.1)

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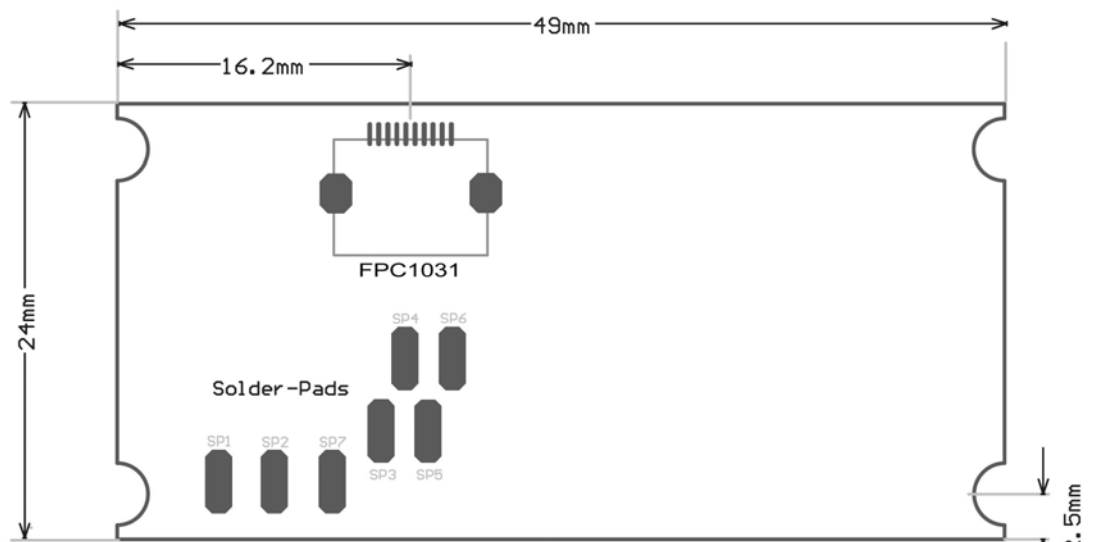
BioKey® 3010 v1.1

for Fingerprint Identification

Mechanical Integration



Top View



Bottom View

Integration

Connector P300

Used for the connection to the FPC1031 Fingerprint Cards Sensor

Connector P301

Pin	Identifier	Pin-Type	Description
1	GND	PWR	Ground
2	RXD	I	Communication interface – UART receive (CMOS level)
3	TXD	O	Communication interface – UART transmit (CMOS level)
4	EN	PWR/I	Voltage regulator enable
5	VIN	PWR/I	Power supply (2.2 ... 10 V DC)

Solderpad description

	Identifier	Pin-Type	Description
SP1	Enroll	I	Button-/Signal-Input (low-active): Encoding and saving of a fingerprint into the database
SP2	Identify	I	Button-/Signal-Input (low-active): Search of a fingerprint in the module database
SP3	Acquisition mode	I	Button-/Signal-Input: Switch between continuous identification-only (High-Level) and single (Low-Level) activation of functions.
SP4	LED1	O	LED-/Signal-Output (yellow): signals "process active (Enroll, Identify, Delete)"
SP5	LED2	O	LED-/Signal-Output (red): signals "process failed"
SP6	LED3	O	LED-/Signal-Output (green): signals "process was successful"
SP7	GND	PWR	Ground