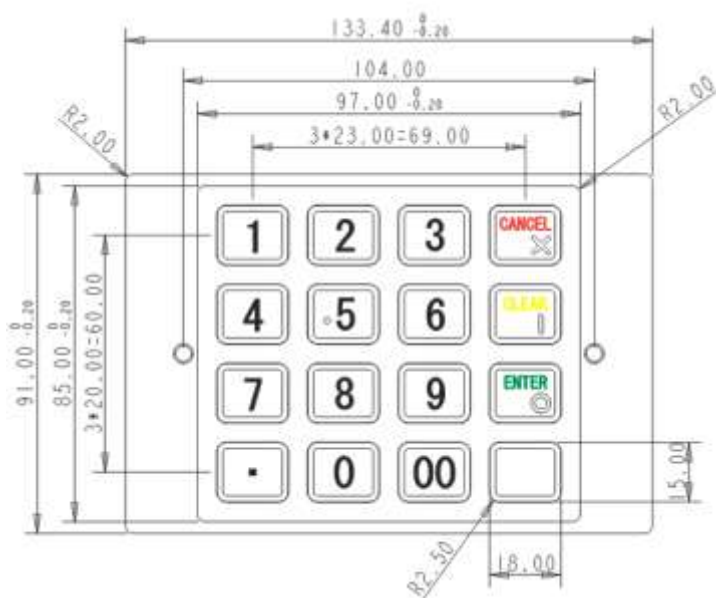


SUNSON TECH

Encrypted PIN Pad-EPP

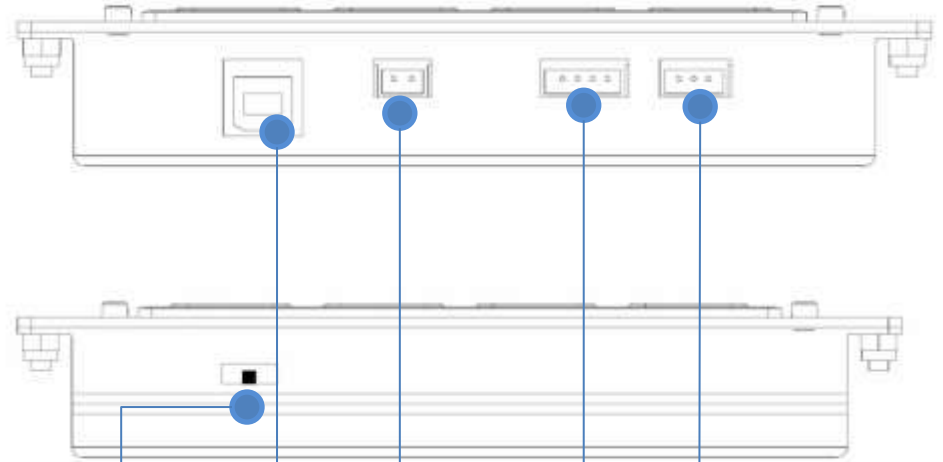
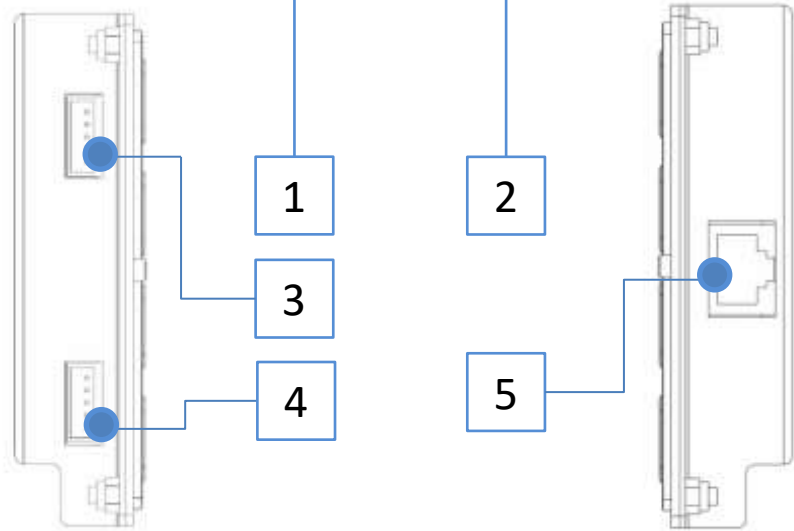


THE KEY TO SECURE YOUR INPUT



Description:

- PCI 3.0 approved EPP
- China Union Pay approved
- CSEA (国密) approved
- Support RSA and RKL
- Support connector: RJ45-RS232 & USB
- Support extended 2 FDK
- Equipped with HW removal switch
- Stainless steel surface and rear cover
- One click SDK for WOSA platform
- key-value customized software

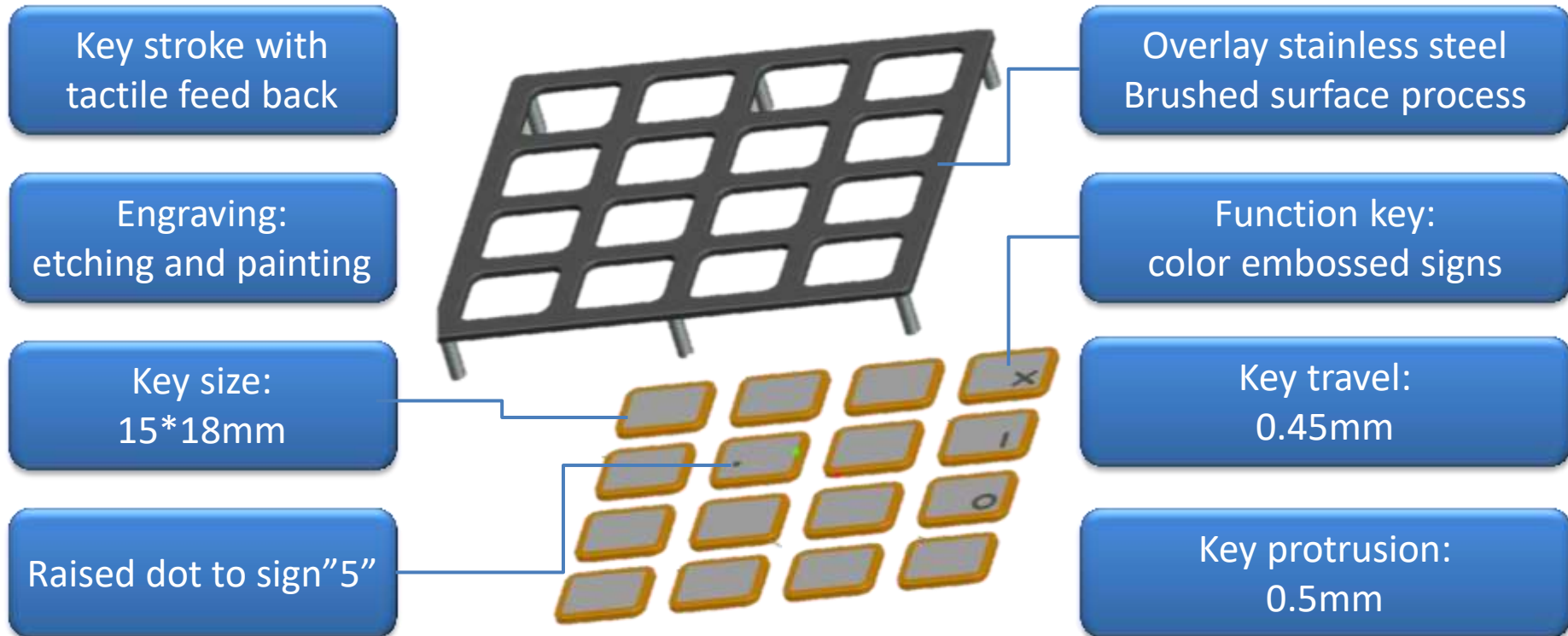


6 7 8 9 10

- 1** **2** Removal switches
- 3** **4** Connectors to FDK
- 5** RJ 45 to RS232
- 6** Switch to load or update F/W
- 7** USB output
- 8** Power port
- 9** Connector to RS232
- 10** Extended buzzer

There are two forms of connectivity supported by SE8098B, RS232 and USB. Please kindly choose one connectivity per time.

The RS232 can be realized by RJ45-DB9 cable and connector-DB9 cable. (DB9 connector to host) And the RJ45-RS232 cable is recommended.



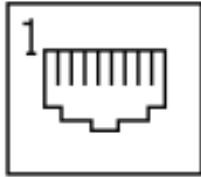
Basic Information:

- **Panel size:** 97*85mm
- **Interface:** **RJ45-RS232 interface** (baud rate: 9600, 8 data bit, 1 stop bit and no check parity.)
Standard USB 2.0 interface (USB 1.1 is compatible)
- **Voltage:** 5.0V ± 10%
- **Consumption:** ≤0.5W(dynamic) ≤0.2W(static)
- **Reliability:** MTBF>20000H MTTR<30min
- **data protection:** data will be kept for more than 8 years against power-off

Algorithm standard:

- RSA: support more than 2048 bit
- DES、3DES: ANSI X3.92、ANSI X9.52
- PIN operation: ANSI X9.8(ISO9564.0,ISO9564.1,ISO9564.3), IBM3624
- MAC operation: ANSI X9.9、ANSI X9.19
- Security standard: ISO13491
- Encrypting and decrypting speed: <0.1S (8 bits DES)

RJ45-RS232 connection:



PIN #	1	2	3	4	5	6	7	8
description	NC	DTR	RXD	NC	TXD	GND	NC	+5V

Connector-RS232 assignment:



PIN	1	2	3	4
定义	RXD	TXD	DTR	GND

Note:

RXD: Means data sent from host to EPP

TXD: means data sent from EPP to host

DTR: enable port used only when to download the firmware

USB interface:



PIN	1	2	3	4
description	+5V	D-	D+	GND

Left FDK assignment:



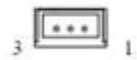
PIN	1	2	3	4	5
description	A	B	COM	C	D

Right FDK assignment:



PIN	1	2	3	4	5
description	H	G	COM	F	E

BUZZER AND POWER:



PIN	1	2	3
定义	+	GND	

POWER



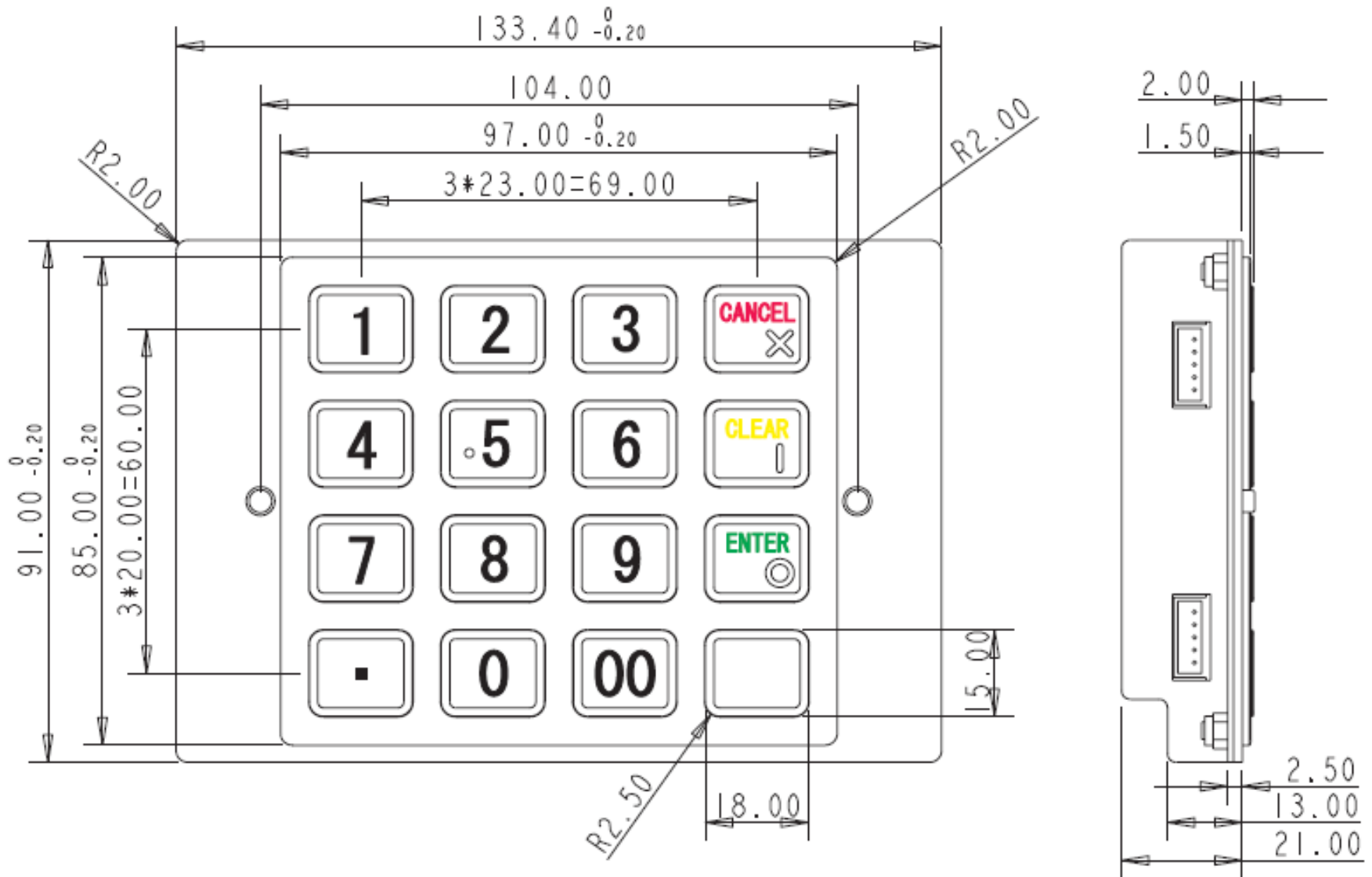
PIN	1	2
定义	+5V	GND

Key value table for EPP:

Key description	Hex value	Key description	Hex value
1	0x31	9	0x39
2	0x21	.	0x2A
3	0x33	0	0x30
4	0x34	00	0x23
5	0x35	CANCEL	0x1B
6	0x36	CORRECTION	0x08
7	0x37	ENTER	0x0D
8	0x38	BLANK	0x25

Application industry:

1. Financial equipment such as ATM, CDM, CRS, recharge and bill payment devices;
2. Self-service application such as info-kiosks, vending machines, lottery machines, gas stations, UPT, etc.



For more information,
please kindly contact Joey via email:
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Thank you!