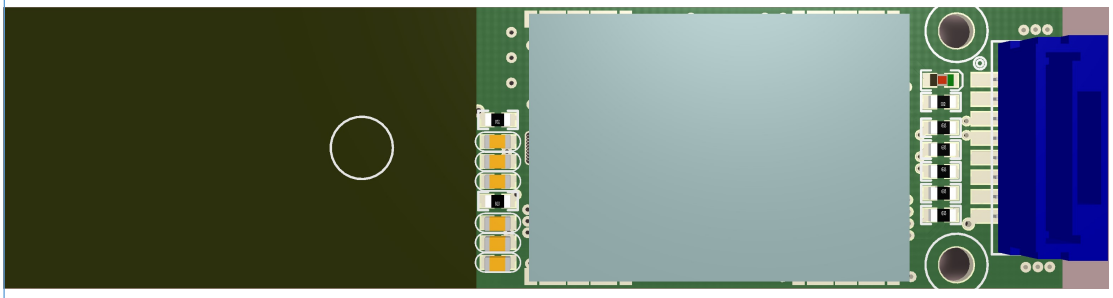
B26-6818 NFC Module

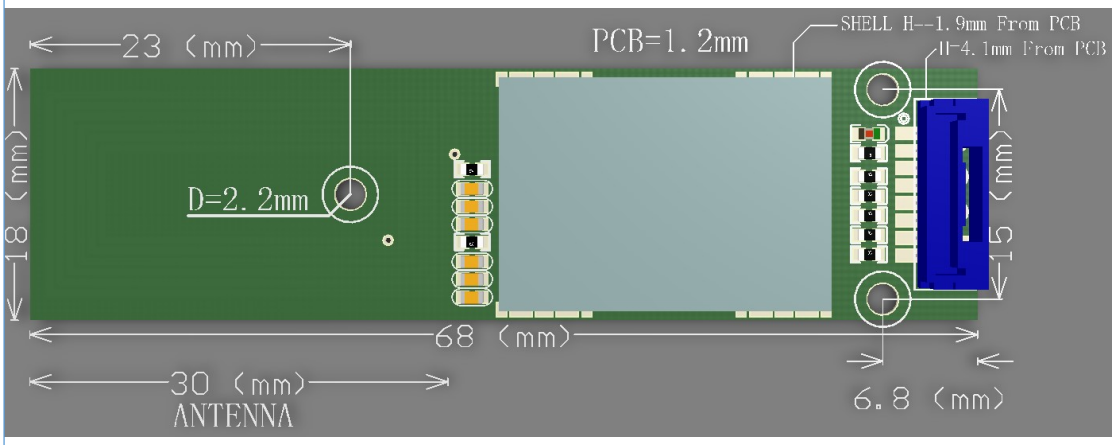
Full NFC Forum-compliant controller with integrated MCU FW and USB/I2C interface



Key Features:

- Full hardware and software NFC compatibility
  - NXP`s NFC solutions PN7160
  - Support for Linux, Android, Windows
- All NFC operating modes
  - Read/Write Mode: ISO/IEC 14443 A&B up to 848 kbit/s, FeliCa at 212 & 424 kbit/s, MIFARE 1K, 4K,
    NFC Forum type 1, 2, 3, 4, 5 tags, ISO/IEC 15693
  - All peer-to-peer modes(included android BEAM)
  - Card Emulation Mode (from host): NFC Forum
    T4T (ISO/IEC 14443 A&B) at 106 kbit/s, NFC Forum
    T3T (FeliCa)
- Flexible host interface;
  - USB interface select-able: USB HID and Keyboard,full speed
  - IIC interface :100Kbps,I2C Address:0x28(Use 0x50 to write and 0x51 to read)
  - 2 input/output pins
  - SAM Slot(ISO 7816) and Buzzer Select-able in backside
  - Firmware update-able by USB interface
- Complete, power-efficient NFC control
  - PAD supply voltage: 3.3 V
  - TVDD(RF driver): 3.3 or 5 V select-able, 180mA max;
  - NFC Forum device requirement: v2.0
  - Fully configurable polling loop with low-power mode
  - Load modulation scheme: active

PIN Definition:



NOTE:Connector Type: CJT A1257WV-S-8P / P=1.25mm

PIN	Signal	I/O Type	Description
PIN1	SCL	OD	I2C SCL(internal 4.7K pull-up ①)
PIN2	SDA	OD	I2C SDA(internal 4.7K pull-up ①)
PIN3	IRQ	I/O	Tell the host this module have I2C data to send High enable,normal Low
PIN4	VEN	I/O	Reset the module,set Low to reset
PIN5	D-/DWL	I/O	USB D- ②; DWL ③
PIN6	D+/NC	I/O	USB D+②; NC ③
PIN7	GND	PWR	Power GND
PIN8	VDD	PWR	Power supply, default 5V (3.3V select-able)

NOTE①:4.7K is refer to 100Kbps I2C speed
NOTE②:B26-6818 USB interface
NOTE③:B26-I-6818,B26-I-6818 have no USB interface,PIN5 use as DWL

APPLICATION EXAMPLES:

- Interactive flat panel/table/TV
- Set-top boxes
- Audio
- home appliances
- Health-care/Medical
- Accessories

ORDER INFORMATION:

	Order name:	Description
1	B26-I-6818	I2C interface to control the NXP PN7160 chip directly with NFC NCI2.0 protocol
2	B26-6818	USB interface with a MCU to control the RF chip,and the I2C interface is not-usable