InfoThink Technology CO., LTD.
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TEL：(02)2790-1790 FAX：(02)2790-1770

規格承認書

SPECIFICATION FOR APPROVAL

Customer:	Getac Technology Corp.
Brand Name:	Getac
Description:	RC11 PN7462 NFC Module
Our Parts Number:	179-90010402A0-9
Customer Parts Number:	442895800001
Made by:	InfoThink Technology
Date:	Dec, 14, 2017
Prepared：	Robert Yang
Approved：	Roman Chang

Customer’s Checked：

Customer’s Approved：

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Index

NO.	ITEN	PAGE
1.	General Description	4
2.	Features	4
3.	Support the following operating modes	4
4.	System requirements	4
5.	General Specifications	5
6.	Connector Pin List	5
7.	PCBA Dimension	6
8.	USB Device VID/PID and Firmware Version	7
9.	Block Diagram	7
10	RC11 NFC Module Photograph	7

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1. General Description

The RC11 NFC module is a highly integrated transceiver module for contactless reader/writer communication at 13.56 MHz.

A dedicated Flash code is implemented to handle different RF protocols by an integrated microcontroller. The system host controller communicates with the RC11 NFC module by using the USB link.

The protocol between the host controller and the RC11 NFC module, on top of this physical link is the CCID protocol

2. Features

- High RF output power frontend IC for transfer speed up to 848 kbit/s
- NFC IP1 and NFC IP2 support
- Full NFC tag support (type 1, type 2, type 3, type 4A and type 4B, type 5)
- P2P active and passive, target and initiator
- Card emulation ISO14443 type A
- ISO/IEC 14443 type A and type B
- MIFARE classic card
- ISO/IEC 15693, and ISO/IEC 18000-3 mode 3
- Low power card detection
- Dynamic Power Control (DPC) support
- Compliance with EMV contactless protocol specification
- Compliance with NFC standards

3. Support the following operating modes:

- ISO/IEC 14443-A and B, MIFARE
- JIS X 6319-4 (comparable with FeliCa scheme)
- ISO/IEC 15693, ICODE, ISO/IEC 18000-3 mode 3
- NFC protocols - tag reader/writer, P2P
- ISO/IEC 14443- type A card emulation
- EMVCo compliance

4. System Requirements

- Desktop or notebook computer with a working USB port

- One of the following Operating Systems：
  - Windows® 2000
  - Windows® 2003 Server x32/x64
  - Windows® 2008 Server x32/x64
  - Windows Vista™ x32/x64
  - Windows® 7 x32/x64

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- Windows® 10 x32/x64

◆ Support by the following OS through the PCSC-Lite driver：
- GNU/Linux using libusb 1.0.x and later
- Mac OS Leopard (1.5.6 and newer)
- Mac OS Snow Leopard (1.6.X)
- Solaris
- FreeBSD

5. General Specifications

◆ Bus-powered - +5V +/- 5%, 500mA

◆ Average Power Consumption
- Standby Mode: 0.12Watt
- Active/Read Card Mode: 0.24 Watt

◆ Operational environment
- Operating Temperature: -10°~60°
- Operating Humidity: 10%~90%
- Storage Temperature: -20°~70°
- Storage Humidity: 10%~90%

6. Connector Pin List

CN2 - Mainly USB Signals		
Pin No.	Pin Name	Input/Output
1	+V5_DK	POWER INPUT
2	+V5_DK	POWER INPUT
3	USB DM	USB SIGNAL
4	USB DP	USB SIGNAL
5	GND	
6	GND	
7	SMART_CARD_PWRON	INPUT
8	OPTION_BAYID2	I/O
9	GND	
10	GND	
11	+V3.3S_DK	POWER INPUT
12	+V3.3S_DK	POWER INPUT

7. PCBA Dimension

67 x 50 x 3.5 mm

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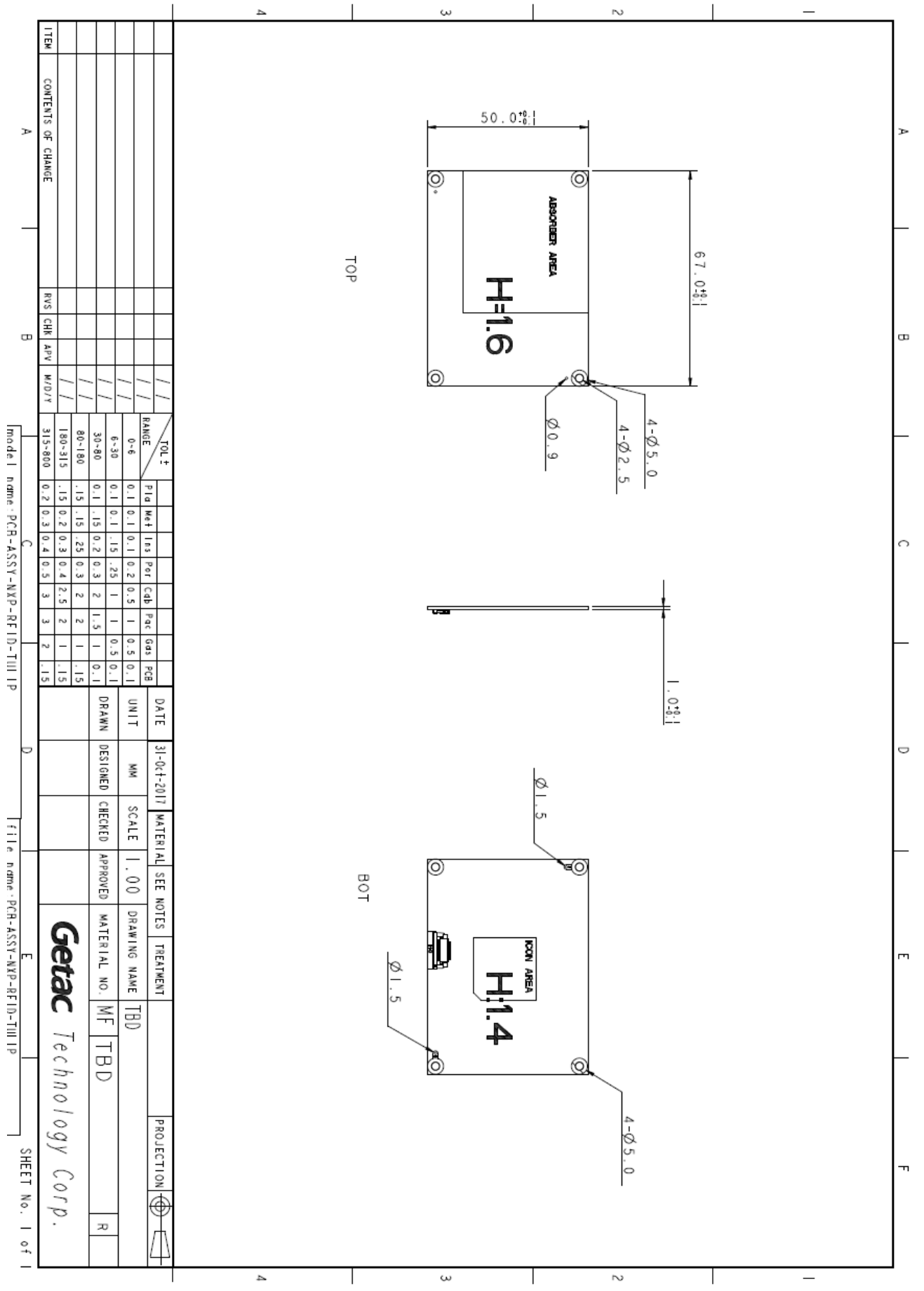

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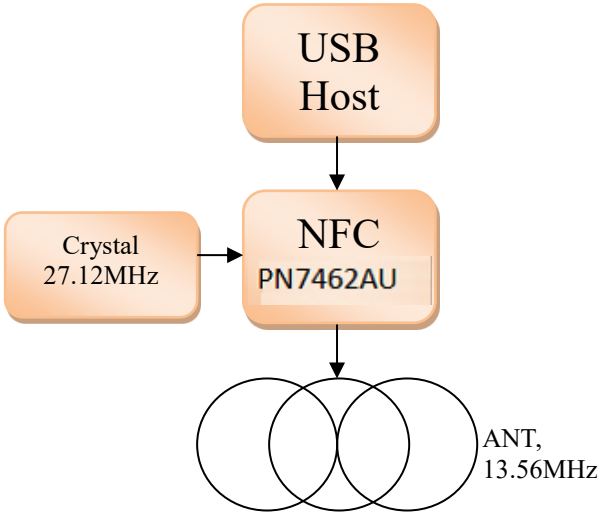
8. USB Device VID/PID and Firmware Version

VID/PID: 0x1FC9/0x0117
F/W Ver.: 2.45

9. Block Diagram



10. RC11 NFC module Photograph

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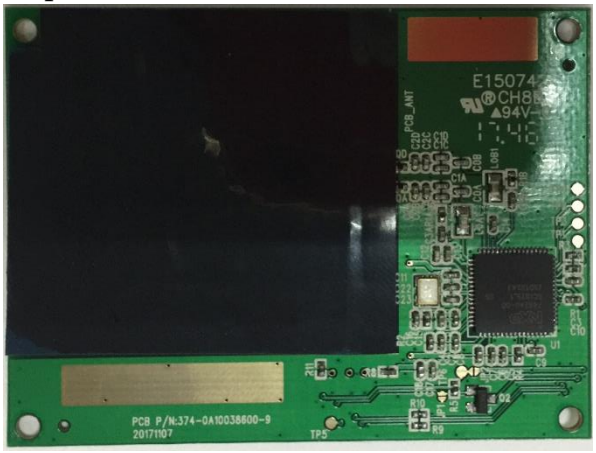

Bottom