

Confidentiality Level: Confidential

SPECIFICATION

MODEL: SRT.NFC.01

Sales Territory : Globe

Product Type: Module

Document Encoding : 22092738

Approved by Shikun	
Checked by HW	Approved by DC

Please send the original back to us after you have approved and signed.

Approved by customer		
Comments	Approved by	Company's seal
Customer's Name:		

REVISION HISTORY

VERSION	DATE	BOARD ID	PAGE	DESCRIPTION	AUTHOR
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1. CRITICAL MATERIALS of TV Part

The table is for reference only, specific to prevail in kind.

NAME	TYPE	BRAND	BACKUP	BACKUP
SPXO	Crystal,27.12MHz, ±10ppm, 20pF,SMD3225,SMD, CF271200201723	JWT	--	--
	Crystal,12MHz, ±20ppm, 20pF,SMD3225,SMD, CF271200201723	JWT	--	--

2. CONFIGURATION & GENERAL PRECAUTIONS

- Relative humidity: $\leq 80\%$.
- Storage temperature: $-10\sim 60^{\circ}\text{C}$.
- Operation temperature: $0\sim 40^{\circ}\text{C}$.

3. DESCRIPTION

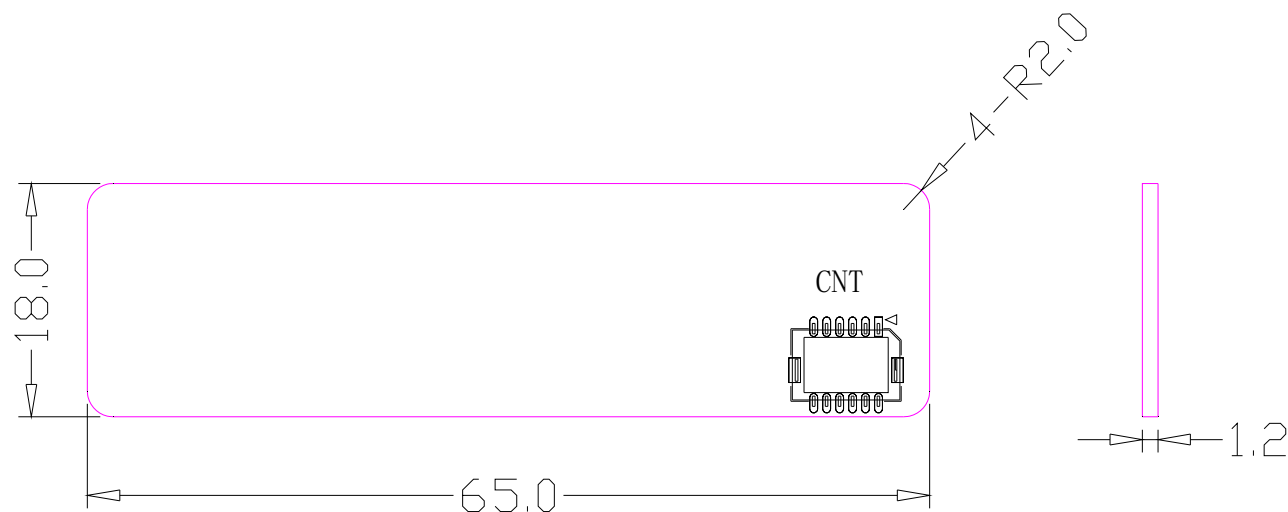
NFC is a near-field wireless communication technology that enables near-field communication, allowing the rapid exchange of a small amount of data between two objects. NFC mainly consists of three components: NFC sensor, NFC controller, and NFC protocol.

The NFC sensor is used to detect the signal of another NFC device. When the NFC device is detected, it will pass the signal to the NFC controller, which will control the communication and data exchange of the NFC device and pass the data to the NFC protocol stack, which is responsible for processing and encrypting the data.

Our NFC device mainly exists as a card reader, which recognizes external devices such as NFC cards and then performs some customized operations.

4. MECHANICAL DIMENSION

配置	
Ver.	A0



NOTE:

1. 板内顶层器件最高4.52mm;

5. Safety warning

❖ Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

❖ FCC Caution:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.

❖ Non-modification Statement:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

❖ IC Radiation Exposure Statement for Canada

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.

2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage;

2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with ISSED RSS-102 radiation exposure limits set forth for an uncontrolled

environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.

Cet équipement est conforme aux limites d'exposition aux rayonnements ISSED RSS-102 établies pour un environnement non contrôlé.

Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et toute partie de votre corps.

The modular can be installed or integrated in mobile or fix devices only. This modular cannot be installed in any portable device, for example, USB dongle like transmitters is forbidden.

This modular complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

If the FCC identification number is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following: "Contains Transmitter Module FCC ID: 2AFG6-NFC01 or Contains FCC ID: 2AFG6-NFC01" .

The devices must be installed and used in strict accordance with the manufacturer's instructions as described in the user documentation that comes with the product.

When the module is installed inside another device, the user manual of this device must contain below warning statements:

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
 - (2) This device must accept any interference received, including interference that may cause undesired operation.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The final end product must be labelled in a visible area with the following:

The Industry Canada certification label of a module shall be clearly visible at all times when installed in the host device, otherwise the host device must be labelled to display the Industry Canada certification number of the module, preceded by the words “Contains transmitter module”, or the word “Contains”, or similar wording expressing the same meaning, as follows:

Contains transmitter module IC: 22166-NFC01

The module must be installed in TB65GA, OTS-PCAP65V3T1, TB75GA, OTS-PCAP75V3T1, TB86GA, OTS-PCAP86V3T1.

The end user manual shall include all required regulatory information/warning as show in this manual.

Manual Information to the End User

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user's manual of the end product which integrates this module.

The end user manual shall include all required regulatory information/warning as show in this manual.

Summarize the specific operational use conditions

This is a limited module, the module can be used in Interactive Intelligent Panel.

The input voltage of the module is nominally 5V.

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user's manual of the end product which integrates this module.

This module is stand - alone modular. If the end product will involve the Multiple simultaneously transmitting condition or different operational conditions for a stand - alone modular transmitter in a host, host manufacturer have to consult with module manufacturer for the installation method in end system.

Le produit final doit être étiqueté dans une zone visible avec ce qui suit :

L'étiquette de certification Industrie Canada d'un module doit être clairement visible en tout temps lorsqu'il est installé dans l'appareil hôte, sinon l'appareil hôte doit être étiqueté pour afficher le numéro de certification Industrie Canada du module, précédé des mots « Contient un module émetteur », ou le mot "Contient", ou une formulation similaire exprimant le même sens, comme suit :

Contient le module émetteur IC : 22166-NFC01

Le module doit être installé dans TB65GA, OTS-PCAP65V3T1, TB75GA, OTS-PCAP75V3T1, TB86GA, OTS-PCAP86V3T1.

Le manuel de l'utilisateur final doit inclure toutes les informations/avertissements réglementaires requis, comme indiqué dans ce manuel.

Informations manuelles à l'utilisateur final

L'intégrateur OEM doit être conscient de ne pas fournir d'informations à l'utilisateur final concernant la manière d'installer ou de retirer ce module RF dans le manuel de l'utilisateur du produit final qui intègre ce module.

Le manuel de l'utilisateur final doit inclure toutes les informations/avertissements réglementaires requis, comme indiqué dans ce manuel.

Résumer les conditions d'utilisation opérationnelles spécifiques

Il s'agit d'un module limité, le module peut être utilisé dans Interactive Intelligent Panel.

La tension d'entrée du module est nominalement de 5V.

L'intégrateur OEM doit être conscient de ne pas fournir d'informations à l'utilisateur final concernant la manière d'installer ou de retirer ce module RF dans le manuel de l'utilisateur du produit final qui intègre ce module.

Ce module est modulaire autonome. Si le produit final implique plusieurs conditions de transmission simultanées ou différentes conditions de fonctionnement pour un émetteur modulaire autonome dans un hôte, le fabricant de l'hôte doit consulter le fabricant du module pour la méthode d'installation dans le système final.

6. Module integration instructions

This module will be installed in the lower left corner of the back of the commercial display. The RFID reader is connected to the motherboard in the commercial display, and the motherboard module provides DC voltage power supply for the RFID reader.

This device is only used for integration in the following cases:

- (i)The module has a PCB antenna and must be installed at a distance of 20 cm between the antenna and the user;
- (ii)This module shall not work with or share with any other similar or identical NFC module with antenna;
- (iii)This module can only be used with commercial displays originally tested and included in certified models;

Changes or modifications made to the equipment without our express approval may invalidate the FCC/IC authorization.