

Telephone-Line Audio Interface Module

Hook, Ring Bell, Audio In/Out

NC-PLTM Ver 7.0



1. Telephone-Line(PSTN) Audio Interface Module.

- * The telephone line (PSTN) audio interface module, using the normal telephone audio(voice), the transmission/reception to be connected is that the interface module.
- * It be controlled by MCU (CPU) cause it features built-in Hook Switch and Ring Bell.
- *It features built-in overvoltage protection devices so it don't be affected unnecessary.

2. Applications.

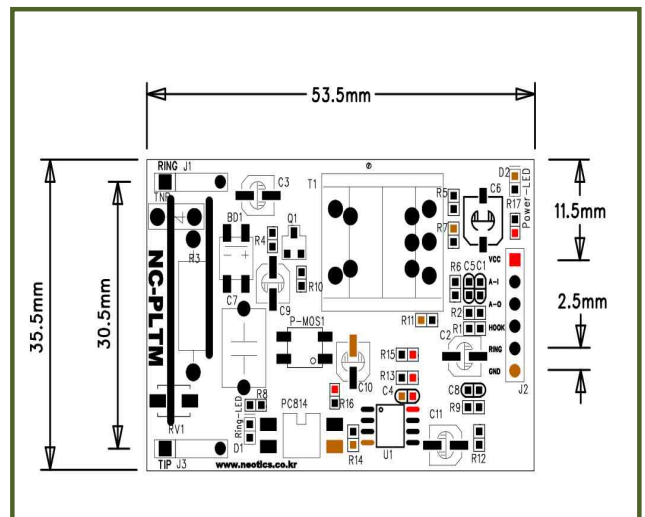
- . It is possible to use the intercom.
- . Answering machines, extra telephone line, etc.
- . It can call using a regular telephone line without having to install new communication lines.
- . Cost of installation and construction of a separate communication line are not required.
- . It is available to develop with Phone line (PSTN) audio connection devices.

3. Features.

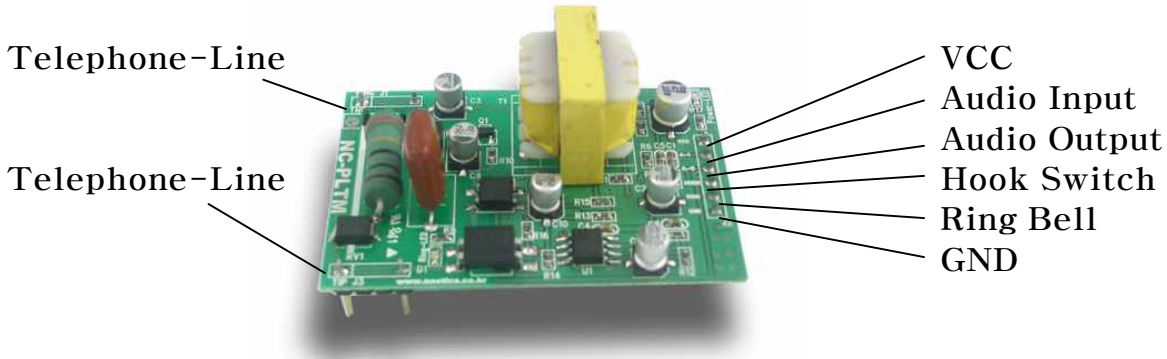
- . It can call using a regular telephone line without having to install new communication lines.
- . It can be applicable to your products cause it is made in module type.
- . It can be detected phone-signal from outside cause it features built-in Ring Bell.
- . It can call answer/end using MCU (CPU) cause it features built-in Hook Switch.

4. Telephone-Line(PSTN) Audio Interface Module Specification & Size.

Items	Specification
Input Power	DC 5~12V
Line	Telephone-Line(PSTN)
Matching	Trans Matching
Interface & Control	Audio In
	Audio Out
	Ring Bell (TTL level)
	Hook Switch(TTL level)

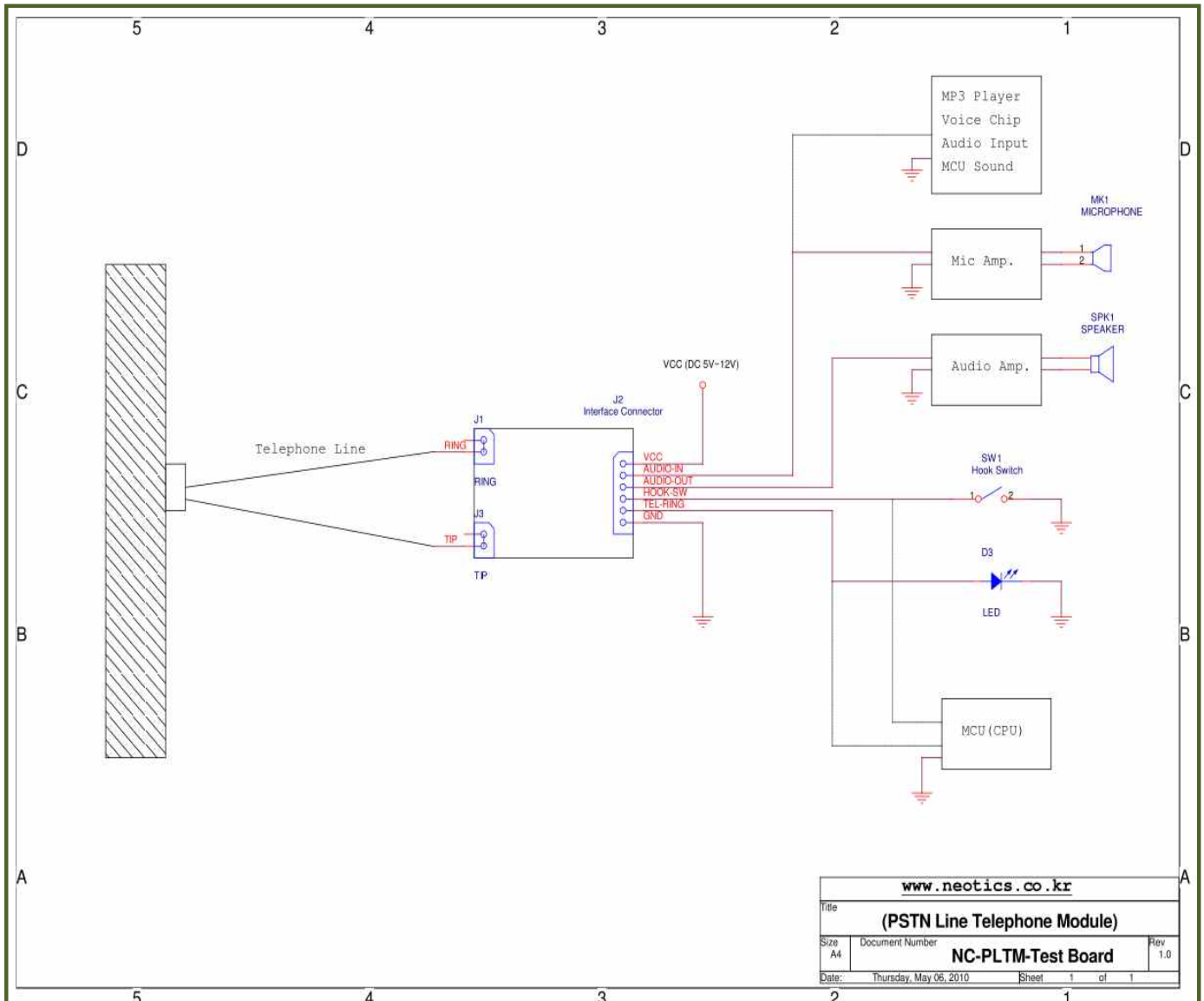


5. Telephone-Line(PSTN) Audio Interface Module Pin Information.



- . VCC : Input Power DC 5~12V의 (+).
- . Audio Input : Input Audio Sound (Voice). (Input Signal : Line Input Level)
 Ex) Audio Sound Output Line From MP3 Module.
 Voice Sound Output Line from Voice-Chip & Intercom, TV, Radio..etc.
 Line-Output Signal from AUDIO System.
 Condenser Microphone (Please Use the MIC-Amplifier)
- . Audio Output : Output Audio Sound (Voice). (Output Signal : Line Output Level)
 Ex) Please Use the Audio-Amplifier if Connection to Speaker System.
- . Hook Switch : Control Hook Switch.
 Communication On : Connect GND (Active : "L"). (Hook Off)
 Communication Off : Connect Open(Active : "H"). (Hook On)
 Ex) You Can Hook Switch Control if Use MCU(CPU).
- . RING Bell : Ring Bell Signal Output (TTL Level : "H,L,H,L,H,L.....").
 Normal Time : Signal Output - "H".
 Ring Bell Time : Signal Output - "H,L,H,L,H,L....."로 출력
 Ex) You Can Use Connect MCU(CPU), LED, Buzzer..etc
- GND : Input Power DC 5~12V의 (-).

6. Telephone-Line(PSTN) Audio Interface Module Connect Information.



******* Caution*******

1. Check the features first to connect with other equipment.
2. This circuit is strictly tested.
3. The developer, manufacturer or dealer is not responsible for any malfunctioning/damage caused by connection with other equipment.
4. Appropriate permit /approval is required for some products utilizing this module, depending on functions and usages.

● **For more information and inquiry, please refer to the sites below.**

R&D : <http://www.neotics.co.kr>
 Sales : <http://www.logiccamp.co.kr>

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