

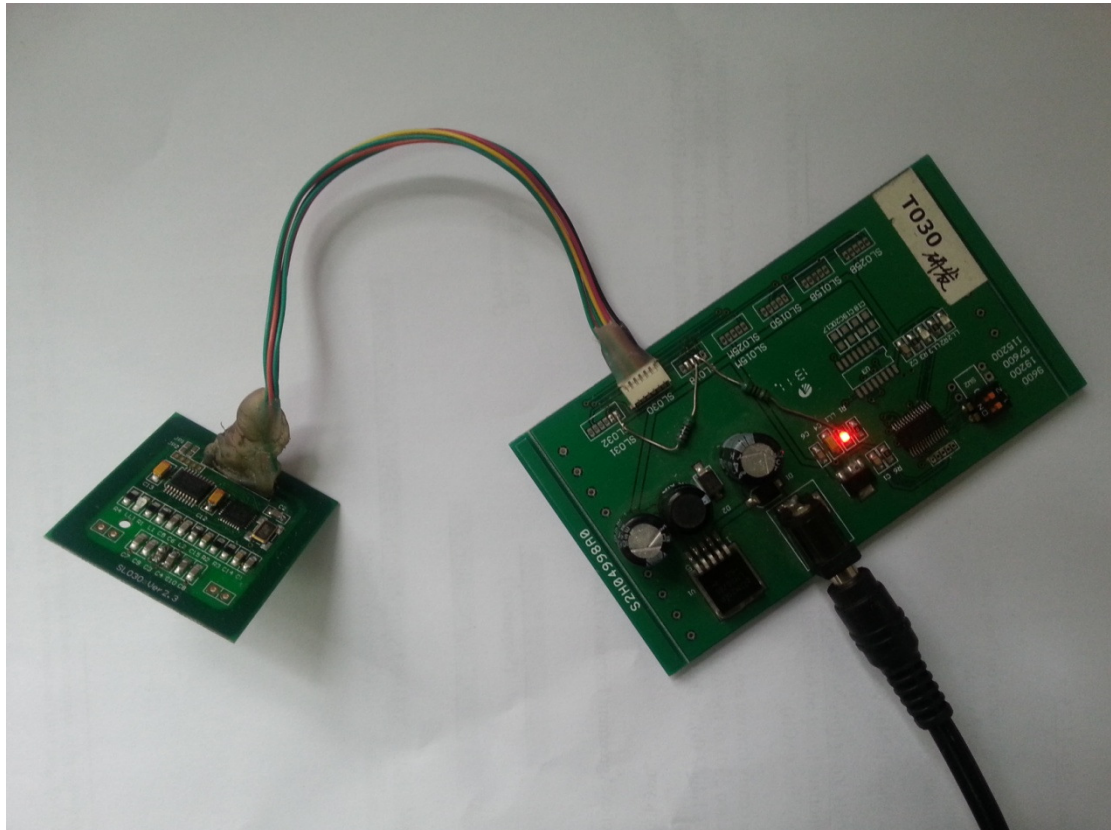
Host Device Description (Project: SL030)

1. Introduction

T030 is a host device of SL030 for command sets testing.

Its power supply is obtained by 5V AC-DC adapter.

The connection method of T030 and SL030 is below,



2. What it is

Actually, T030 is just an 8051 chip with power convert circuits.

There is firmware in the 8051 chip realizing I2C master process.

3. How it works

T030 is a I2C master device and can send commands what SL030 module can recognize. After power on, T030 starts to send the command to SL030 via I2C. After sending, it waits for the response until timeout (About 2 seconds).

The commands T030 sends,

- 1) Select card;
- 2) Authenticate Sector 1 Block 0(Block 4);
- 3) Write this Block;
- 4) Read this block;

All the commands can be referred in the <SL030 User Manual>.