SP-LCD1.14 Datasheet

v1.0

Features:

- Connect to the board through the SP-MOD SPI interface
- Using LCD driver IC ST7735S(4-wire SPI communicate)
- Display Resolution:240*135
- Size :35*20mm
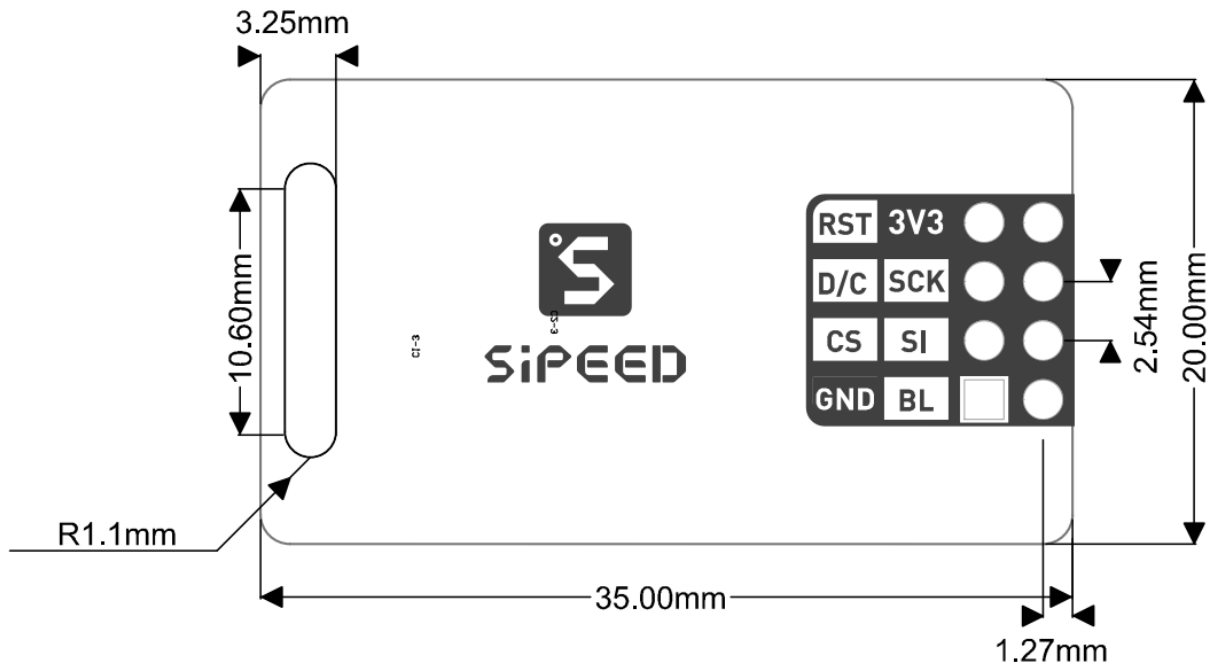- Connection method: SP-MOD (2*4P 2.54mm pin header)

UPDATE	
V1.0	2019/4/7 Published original document

INTRODUCTION	
TFT LCD：ST7735S	Supply voltage of external power supply ： 2.5V~4.8V Supply current of external power supply： <20mA Sleep Status of Current：<0.1mA Screen Size：1.14 inch Active Area：21.7mm * 10.8mm Display Resolution：160*80 Color：132 个 RGB channels Interface：8P FPC (0.5mmpitch) Inter-integrated circuit including C/DC Converter, Adjustable VCOM Generation, Non-volatile (NV) Memory to Store Initial Register Setting, Oscillator for Display Clock Generation, Factory default value (module ID, module version, etc) are stored in NV memory, Timing Controller,

HARDWARE FEATURES	
Supply voltage of external power supply	2.5V~4.8V
Supply current of external power supply	<20mA
Temperature rise	<30K
Range of working temperature	-30℃ ~ 85℃

SIZE	
Board Length	35mm
Borad Width	30mm
Height	13.3 mm
Screen Length	37.2±0.2mm

Screen Width	31.8±0.2mm
FPC Length	14.3±0.2mm

PIN DESCRIPTION		
1	GND	Ground
2	CS	Chip Select input pin
3	D/C	Data/Command control pin
4	RST	Reset (active low)
5	3V3	Power supply(3.3V)
6	SCK	SPI clock pin
7	SI	Master Out Slave In
8	BL	BackLight control pin (active high)

RESOURCES	
Official Website	www.sipeed.com
Github	https://github.com/sipeed
BBS	http://bbs.sipeed.com
Wiki	maixpy.sipeed.com
Sipeed Model Store	https://maixhub.com/
SDK Reference	dl.sipeed.com/MAIX/SDK
HDK Reference	dl.sipeed.com/MAIX/HDK
E-mail(Technical Support)	support@sipeed.com
Telgram Link	https://t.me/sipeed
QQ Group	878189804