



Product Specification

Model Name:	1.33" 1.43" 1.6" 1.76" QSPI LCD Panel with Touch function PCBA
Product P/N:	ZY01701
Version:	V01

Customer		
Tested By 测试	Checked By 复核	Approved By 批准

Supplier		
Designed By 设计	Checked By 复核	Approved By 批准



CHANGE HISTORY:

Date	Revision	Description	Person in Charge
2022-11-9	V01	First Release	Tony



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■ GENERAL DESCRIPTION

ZY01701 is a high performance 1.33" 1.43" 1.6" 1.76" QSPI LCD Panel with touch function for display application. This product accords with RoHS environmental criterion.

■ PCBA PARAMETER

Item	Contents	Unit	Notes
PCBA Dimension	115(W) x 70(H) x 20(T)	mm	
Supported Touch Panel	Capactive touch panel	/	
Input Signal Interface	QSPI	/	
Input Voltage	4.75~18	V	DC

■ ELECTRICAL CHARACTERISTICS

Item	Min.	Typical	Max.	Unit	Notes
Operating Voltage	4.75	12	18	V	VDD
Operating Current	---	40	---	mA	12V Power and Include LCD Panel
Operating Temperature	-10	25	60	°C	/
Storage Temperature	-20	25	80	°C	/



■ PIN DESCRIPTION

J1: DC5.5 Power Jack for Power Supply

SW1: Reset KEY

SW2: FW-UPGRADE KEY.

SW3: Power KEY

KEY1_P20: NC KEY

KEY2_P17: Manual PageUP KEY

KEY3_P21: Manual PageDown KEY

JLINK: 1x4 2.54mm Connector for Firmware Upgrade (Standard use)

Pin. No	Symbol	Description
1	GND	Ground
2	SWC	SWCLK
3	SWD	SWDIO
4	VDD	+3.3V Power Supply

JP5: Capacitive Touch Panel FPC 0.3mm Connector (Standard use)

Pin. No	Symbol	Description
1	GND	Power Ground
2	S1L	TP Sensor Channel 1
3	S2L	TP Sensor Channel 2
4	S3L	TP Sensor Channel 3
5	S4L	TP Sensor Channel 4
6	S5L	TP Sensor Channel 5
7	S6L	TP Sensor Channel 6
8	S7R	TP Sensor Channel 7
9	S8R	TP Sensor Channel 8
10	S9R	TP Sensor Channel 9
11	S10R	TP Sensor Channel 10
12	S11R	TP Sensor Channel 11



13	S12R	TP Sensor Channel 12
14	S13R	TP Sensor Channel 13
15	GND	Power Ground

JP7: SOC GPIO (Standard 2x2.54mm Connector)

Pin. No	Symbol	Description
1,2	GND	Power Ground
3	P08	GPIO 08
4	P30	GPIO 30
5	P05	GPIO 05
6	P03	GPIO 03
7	P15	GPIO 15
8	P06	GPIO 06
9	P17	GPIO 17
10	P16	GPIO 16
11	P09	GPIO 09
12	P07	QSPI LCD panel Reset Signal
13	P11	GPIO 11
14	P10	GPIO 10
15	P13	GPIO 13
16	P12	GPIO 12
17	P00	GPIO 00
18	P01	GPIO 01
19	P20	GPIO 20
20	P21	GPIO 21
21	P22	GPIO 22
22	P23	GPIO 23
23,24	VDD_3V3	+3.3V Power Supply



JP6: QSPI LCD Panel (Standard 2x2.54mm Connector)

Pin. No	Symbol	Description
1	P29	QSPI LCD panel Data3
2	P02	QSPI LCD panel Chip selects signal input
3	P28	QSPI LCD panel Data2
4	P26	QSPI LCD panel Data0
5	P27	QSPI LCD panel Data1
6	P25	QSPI LCD panel Clock signal
7	P04	GPIO 04
8	P24	GPIO 24

JP4: QSPI LCD Panel FPC 0.3mm Connector (Standard use)

Pin. No	Symbol	Description
1	GND	Power Ground
2	NC	No connection
3	P02	QSPI LCD panel Chip selects signal input
4	P25	QSPI LCD panel Clock signal
5	P29	QSPI LCD panel Data3
6	P28	QSPI LCD panel Data2
7	P27	QSPI LCD panel Data1
8	P26	QSPI LCD panel Data0
9	P07	QSPI LCD panel Reset Signal
10,11	VDD	+3.3V Power Supply
12	LED+	LED Anode
13	LED-	LED Cathode
14,15	GND	Power Ground

■ OUTLINE DIMENSION (Unit: mm)

