



3.2" inch TFT LCD Module Display 320 x 240 & TP
Model: HY32D
Driver IC: SSD1289

LCD CONNECTOR
J1

CON34_2X17_B_AM

SWDIO DEBUG
CONN-SIL3

BOOT USART
CONN-SIL3

MINI_USB_B
(CHARGE ONLY)

C41
10uF

LI BATT
4.2V

U14
LTC4057ES5-4

J2
ON/OFF SWITCH

R32
2k

AGND

U4
STM32F100RB6B

14 PA0-WKUP
15 PA1
16 PA2
17 PA3
20 PA4
21 PA5
22 PA6
23 PA7
41 PA8
42 PA9
43 PA10
44 PA11
45 PA12
46 PA13
49 PA14
50 PA15
8 PC0
9 PC1
10 PC2
11 PC3
24 PC4
25 PC5
37 PC6
38 PC7
39 PC8
40 PC9
51 PC10
52 PC11
53 PC12
2 PC13-TAMPER-RTC
3 PC14-OSC32_IN
4 PC15-OSC32_OUT
5 PD0 OSC_IN
6 PD1 OSC_OUT
7 PD2
26 PB0
27 PB1
28 PB2
55 PB3
56 PB4
57 PB5
58 PB6
59 PB7
61 PB8
62 PB9
29 PB10
30 PB11
33 PB12
34 PB13
35 PB14
36 PB15
NRST
VDDA
VBAT
VDD
BOOT0
VSSA
VSS

open - boot mode
closed - normal mode

JP1
JUMPER

U2:A
74HC4053

15 COM
2 NC
3 NO
4 COM
5 NC
6 INH
7 VSS
8 VEE
11 C
10 B
9 A
6 INH
7 VSS
8 VEE

U2:B
74HC4053

15 COM
2 NC
3 NO
4 COM
5 NC
6 INH
7 VSS
8 VEE
11 C
10 B
9 A
6 INH
7 VSS
8 VEE

U8
LP2985A-33DBVR

1 OUT
2 IN
3 SHDN
4 BP
5 GND

AGND

C39
10uF

L1
1uH

C18
10uF

C2
20pF

C3
20pF

X1
8 MHz

C64
100nF

C10
100nF

C11
100nF

C37
100nF

C9
10uF

C17
10uF

C8
10uF

R34
10k

AGND

DGND

DGND

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ADC VBAT

G1

ADC IN 0

ADC IN 1

USART_TX

USART_RX

TP_IRQ

TP_NSS

SWDIO

SWCLK

BL_CNTRL

G1

G10

/CS_LCD

/WR_LCD

/RD_LCD

U/I

G0

SPL_SCK

SPL_MISO

SPL_MOSI

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