



CAN-BUS OPEN-FRAME 7" DISPLAY

P/N: DTA-2777-S001

FEATURES

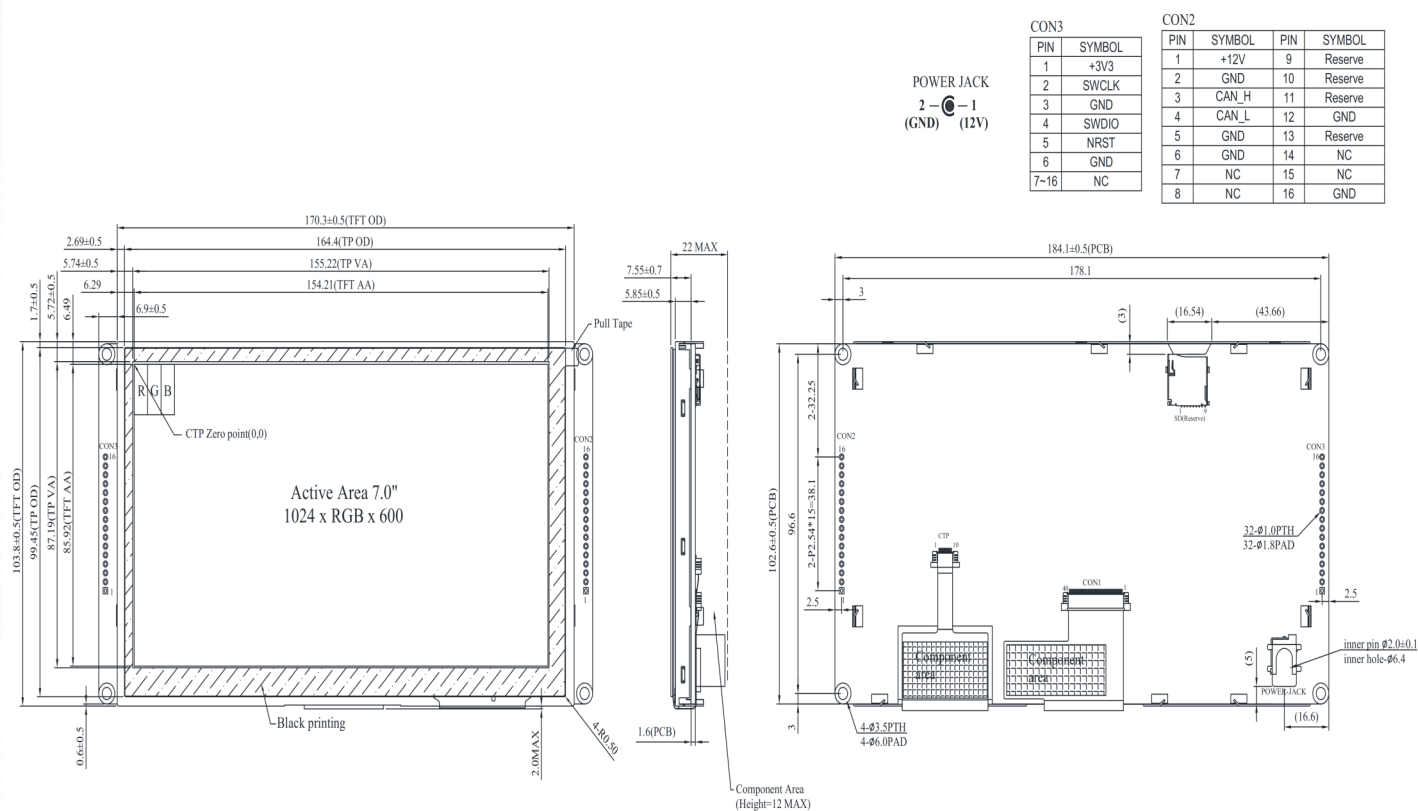
1. +12V power supply input, the power consumption is around 6W.
2. Self testing after booting function.
3. CAN bus communication interface.
4. Support Custom CAN ID protocol, default baud rate is 250KB.
5. Built in flash memory, store the font and Object Dictionary Data.
6. Support capacitive touch panel (CTP).
7. Embedded buzzer controlled by Master Device.
8. HOST can be used on multiple platforms, such as Computer (with USB to CAN Dongle), MCU, Raspberry Pi (with PiCAN2).



SPECIFICATION

Item	Standard Value	Unit
Operating voltage	5~16V	Vdc
Communication Interface	CAN bus	N/A
MCU	STM32F746 216MHz	N/A
Flash Memory	16	MB
SDRAM Frequency	166	MHz
LCD display size	7.0	inch
Dot Matrix	1024 x RGBx600(TFT)	dot
Module dimension	169.9(W) x 103.4(H) x 5.6(D)	mm
Active area	154.2144 x 85.92	mm
Dot pitch	0.1506 x 0.1432	mm
Brightness	Min: 400; Typ: 450	cd/m ²
LCD type	TFT, Normally Black, Transmissive	
View Direction	85/85/85/85	
Aspect Ratio	16:9	
Touch Panel	Projected Capacitive Touch Screen, PCAP	
Surface	Glare	

MECHANICAL DRAWING



The non-specified tolerance of dimension is $\pm 0.3\text{mm}$.


ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min	Typ	Max	Unit
Operating Temperature	TOP	-20	—	+70	°C
Storage Temperature	TST	-30	—	+80	°C

ELECTRICAL CHARACTERISTICS

Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage	V _{CI}	—	5	12	16	V
Supply current	I(mA)	—	—	490	—	mA


INTERFACE
CON2 definition

Pin	Symbol	Function
1	+12V	Power supply 12V input
2	GND	Power supply GND input
3	CAN_High	CAN bus D+
4	CAN_Low	CAN bus D-
5	GND	Power supply GND input
6	GND	Power supply GND input
7	NC	—
8	NC	—
9	Reserve	—
10	Reserve	USART RX interface(Reserve)
11	Reserve	USART TX interface(Reserve)
12	GND	GND
13	Reserve	—
14	NC	—
15	NC	—
16	GND	GND

CON3 definition

Pin	Symbol	Function
1	+3V3	3.3V power for JTAG interface
2	SWCLK	CLK pin for JTAG interface
3	GND	GND for JTAG interface
4	SWDIO	Data pin for JTAG interface
5	NRST	Reset pin for JTAG interface
6	GND	GND
7~16	NC	—