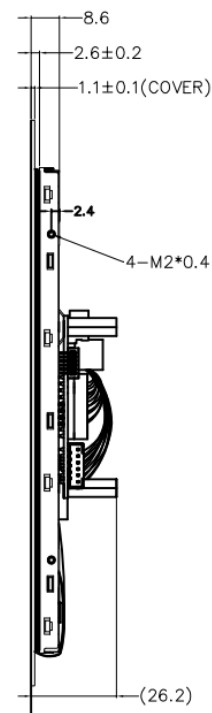


A watercolor illustration of a monarch butterfly with orange and black wings, perched on a blue flower. The background is a soft, light blue cloud-like shape.

1. 10.1" TFTLCD Module
2. Resolution:1280*(RGB)*800
3. DisplayType:TFT/Transmissive/Normally Black
4. Interface Type:HDMI
5. Surface Luminance:350cd/m²
6. Top:-20°C~70°C
7. Support Capacitive Touch Panel
8. CTP Drive IC:ICNT8692+SAM D21E

A white swan is shown swimming in dark, rippling water. The swan's head is turned to the left, and its long neck is curved. Its white feathers are clearly visible against the dark water. A clear reflection of the swan is visible on the water's surface directly below it.

- ## ● Mechanical Drawing



● HDMI Interface Pin Function

Pin#	Name	Description
1	TX2+	TMDS Data 2+
2	TX2 Shield	TMDS Data 2 Shield
3	TX2-	TMDS Data 2-
4	TX1+	TMDS Data 1+
5	TX1 Shield	TMDS Data 1 Shield
6	TX1-	TMDS Data 1-
7	TX0+	TMDS Data 0+
8	TX0 Shield	TMDS Data 0 Shield
9	TX0-	TMDS Data 0-
10	TXC+	TMDS Clock+
11	TXC Shield	TMDS Clock Shield
12	TXC-	TMDS Clock-
13	CEC	CEC
14	NC	No connection
15	SCL	Serial Clock for DDC
16	SDA	Serial Data for DDC
17	GND	Power ground
18	V5V	+5V Power
19	Hot Plug Detect	Hot Plug Detect

● Capacitive Touch Panel Pin Function

Pin#	Name	Description
1	V _{Bus}	V _{Bus} 4.75V~5.25V
2	D-	Data-
3	D+	Data+
4	ID	No connection
5	GND	Power Ground.

● Electrical Characteristics

Module

Item	Symbol	Status	Condition	Min.	Typ.	Max.	Unit
Power Supply Voltage	VCC	I	VCC-GND	11.5	12.0	12.5	V
	V _{Bus}	I	V _{Bus} -GND	4.75	5.0	5.25	V
	V _{5v}	O	V5v-GND	4.75	5.0	5.25	V
Power Supply Current	ICC	I	VCC=12.0v	-	450	650	mA
	I _{Bus}	I	V _{Bus} =5.0v	-	50	100	mA
	I _{5v}	O	V _{5v} =5.0v	-	-	2	A

Backlight

Item	Symbol	Conditions	Min.	Typ.	Max.	Unit
Voltage for LED Backlight	VF	If=80mA	27.5	31.0	34.0	V
Current for LED Backlight	IF		-	80	-	mA
Color	White					