



The capacitor value of C1 is 1uF and C2 is 0.1uF.

### 3-Wires MPU interface

Interface		
Pin no	Symbol	Function
1	/RES	External reset pin
2	SCK	Serial Clock.
3	SDA	Serial Data.
4	/CS	Chip Select
5	VDD	Power supply(+)
6	VSS	Power supply (GND)
7	V4	Voltage Source of LCD Driver The relationship of the power is VLCD>V0≥V1≥V2≥V3≥V4≥ VSS °
8	V3	
9	V2	
10	V1	
11	V0	
12	C1P	Booster circuit, connect to capacitor
13	C1N	Booster circuit, connect to capacitor
14	C2P	Booster circuit, connect to capacitor
15	C2N	Booster circuit, connect to capacitor
16	C3P	Booster circuit, connect to capacitor
17	VOUT	Supply voltage for LCD.

Feature			
Controller	RA8816-T	Module	68 x 41
Duty	1/65 duty	Viewing Area	60 x 30
Bias	1/9 bias	Mounting hole	-
B/L	Y/G	Character Size	0.39 x 0.39

Absolute Maximum Rating					
I tem	Symbol	Condition	Min	Max	Units
Supply for logic voltage	Vdd-Vss	25°c	-0.3	6.5	V
LCD driving supply voltage	Vdd-Vss	25°c	-0.3	14	V
Input voltage	Vin	25°c	-0.3	Vdd+0.3	V

Electrical Characteristics						
Item	Symbol	Condition	Min.	Typ.	Max.	Units
Power supply voltage	Vdd-Vss	25°c	2.8	3.3	3.6	V
LCD operation voltage	Vop	25°c	-	8.7	-	V
LED Forward Voltage	VF	25°c	-	4.2	-	V
LED Forward Current	IF	25°c	-	220	-	mA