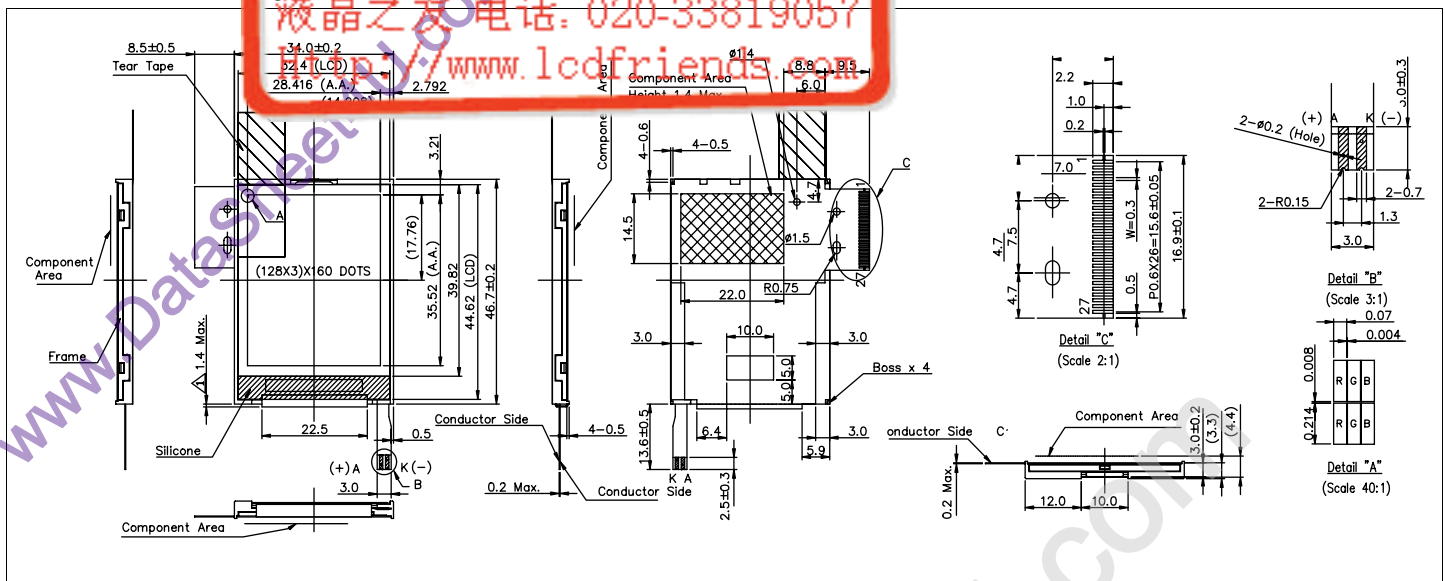




Features

Viewing Angle(horizontal).....45 degrees
 High Contrast.....300:1
 Hfast Response Time56 ms
 Built-in DC-DC Converter
 Built-in Controller.....HCD66773RPB

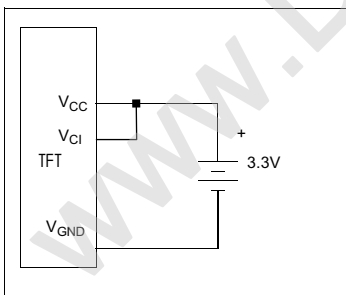
Physical Data

Module Size.....34.0W x 46.7H x 4.4 T mm
 Viewing Area Size.....28.41W x 35.52 H mm
 Dot Pitch.....0.074W x 0.222H mm
 Dot Size.....0.07W x 0.214H mm
 Weight.....10g

Electrical Characteristics (VDD=5.0±0.25V 25°C)

PARAMETER	SYM	CONDITION	MIN	TYP	MAX	UNIT
OPERATING VOLTAGE	V _{CC}	-	2.5	2.8	3.3	V
OPERATING VOLTAGE	V _{CI}	-	2.5	2.8	3.3	V
INPUT HIGH VOLTAGE	V _{IH}	-	0.7V _{CC}	-	V _{CC}	V
INPUT LOW VOLTAGE	V _{IL}	-	0	-	0.2V	V
OPERATING CURRENT	I _{CC}	All pixels on	-	4.0	6.0	mA
LED FORWARD VOLTAGE	V _F	at I _f = 15 mA	-	9.9	12.0	V
LED FORWARD CURRENT	I _F	at V _f = 9.9V	-	15	20	mA
BRIGHTNESS	L	Average	120	150	-	cd/m ²
DRIVE METHOD	FRAME PERIOD 14.2 ms					

Power Supply



Absolute Maximum Ratings

PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	V _{CC}	-0.3	4.6	V
SUPPLY VOLTAGE	V _{CI}	-0.3	4.6	V
INPUT VOLTAGE	V _{IN}	-0.3	V _{CC}	V
OPERATING TEMPERATURE	T _{OP}	-20	70	°C
STORAGE TEMPERATURE	T _{STG}	-40	80	°C

Pin Connections

PIN NO.	SYMBOL	FUNCTION
1	NC	No Connection
2	GND	Ground Pin
3	GND	Ground Pin
4	/CS	Chip Select
5	RS	Command(L)/Data(H)
6	/WR	Write
7	/RD	Read
8	D0	Data 0
9	D1	Data 1
10	D2	Data 2
11	D3	Data 3
12	D4	Data 4
13	D5	Data 5
14	D6	Data 6
15	D7	Data 7
16	D8	Data 8
17	D9	Data 9
18	D10	Data 10
19	D11	Data 11
20	D12	Data 12
21	D13	Data 13
22	D14	Data 14
23	D15	Data 15
24	/Reset	System Reset
25	V _{CC}	Power Supply (+5V)
26	V _{CI}	DC/DC Converter
27	NC	No Connection