

ET028002DMU / 2.8" TFT LCM

Pin Assignment



GENERAL INFORMATION

LCD Type	2.8" TFT
Resolution	240(RGB) * 320 Dots
Display Color	262K color
Module dimensions	50.5(W)*69.6(H)*3.0(T)MM
Active Area	43.2(W)*57.6(H) mm
Pixel Pitch	0.18(W)*0.18(H)mm
Luminance	350cd/m Typ
Contrast Ratio	1/ 500
Viewing Direction	12 o'clock
Viewing Angle	Y:+75 -55, X +75 -70 deg.
Polarizer Type	Transmissive
Response Time	Tr: 10ms, Tf : 15ms
VDD / VLED	2.8V / 10V (80mA)
Interface	18bit RGB, 18bit parallel, SPI
Connection Type	50pin Pitch 0.5mm Connector
Driver IC	HX8347-A

Pin No	SYMBOL	I/O	FUNCTION
1	ID	O	MAKER'S IDENTIFICATION
2	VSSD	P	DIGITAL GROUND
3	IOVCC	P	DIGITAL IO PAD POWER SUPPLY
4	VSSA	P	ANALOG GROUND
5	VCI	P	ANALOG POWER SUPPLY
6	VSYNC	I	FRAME SYNCHRONIZING SIGNAL.
7	HSYNC	I	FRAME SYNCHRONIZING SIGNAL.
8	ENABLE	I	A DATA ENABLE SIGNAL IN RGB I/F MODE.
9	DOTCLK	I	DOT CLOCK SIGNAL.
10	DNC_SCL	I	THE SIGNAL FOR COMMAND OR PARAMETER SELECT UNDER PARALLEL MODE
11	NRESET	I	RESET
12	SDI	I	SERIAL DATA PIN.
13	NWR_RNW	I	68-SYSTEM READ/WRITE SELECTION PIN 80-SYSTEM WRITE SIGNAL / DATA
14	NRD_E	I	68-SYSTEM READ/WRITE SIGNAL 80-SYSTEM READ SIGNAL / DATA
15	NCS	I	CHIP SELECT SIGNAL
16	TE	O	TEARING EFFECT OUTPUT,
17~34	D0~D17	I/O	DATA BUS PIN
35	SDO	O	SERIAL DATA OUTPUT
36	NC	--	NO USE
37	NC	--	NO USE
38	YU	0	TOP PANEL
39	XR	0	RIGHT PANEL
40	YD	0	DOWN PANEL
41	XL	0	LEFT PANEL
42~45	P68,BS2~0	I	SELECT THE MPU SYSTEM INTERFACE MODE
46~49	VLED(K4~K1)	P	POWER SUPPLY FOR LED (-)
50	VLED(A)	P	POWER SUPPLY FOR LED (+)

DIMENSIONS

