

NO.	Pin Name
1	GND
2	XR
3	YD
4	XL
5	YU
6	IOVCC
7	IOVCC
8	VCI
9	VCI
10	IM2
11	IM1
12	IM0
13	RESET
14	CS
15	RS (SPI-SCL)
16	WR (SPI-RS)
17	RD
18	VSYNC
19	HSYNC
20	ENABLE
21	DOTCLK
22	SDA
23	DB0(B0)
24	DB01(B1)
25	DB02(B2)
26	DB03(B3)
27	DB04(B4)
28	DB05(B5)
29	DB06(G0)
30	DB07(G1)
31	DB08(G2)
32	DB09(G3)
33	DB10(G4)
34	DB11(G5)
35	DB12(R0)
36	DB13(R1)
37	DB14(R2)
38	DB15(R3)
39	DB16(R4)
40	DB17(R5)
41	SDO
42	GND
43	LEDA
44	LEDK1
45	LEDK2
46	LEDK3
47	LEDK4
48	LEDK5
49	LEDK6
50	GND

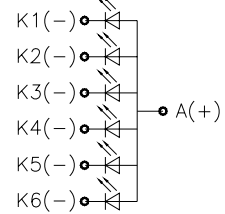
NOTE: MCU interface SET for IM PINS.

IM2	IM1	IM0	Interface type	DB Pin in use
0	0	0	DBI Tych_16-bit interface	DB17-DB10, DB8-DB1
0	0	1	DBI Tych_8-bit interface	DB17-DB10
0	1	0	DBI Tych_18-bit interface	DB17-DB0
0	1	1	DBI Tych_9-bit interface	DB17-DB9
1	0	1	3-Wire 9 BIT data serial interface.	SDA SCL CS
1	1	0	4-Wire 8 BIT data serial interface	SDA SCL CS RS

NOTE:  
If not use PINS fix to the GND , IOVCC or NC.

NOTES:

1. DISPLAY TYPE: IPS, TRANSMISSIVE, NORMALLY BLACK.
2. OPERATING VOLTAGE: VDD=3.3V.
3. VIEWING DIRECTION: FULL VIEWING ANGLE.
4. IC DRIVER: ST7789V(COG).
5. OPERATING TEMP: -20°C ~ 70°C.
6. STORAGE TEMP: -30°C ~ 80°C.
7. LED BACKLIGHT: 6-CHIP WHITE LED, If=120mA, Vf=3.2V.
8. SURFACE LUMINANCE: 400cd/m<sup>2</sup>(TYP).
9. TOP POLARIZER SURFACE TREATMENT: TBD.
10. GENERAL TOLERANCE: ±0.2.
11. RoHS COMPLIANT.



NOTE: RGB interface

RGB Interface	DB Pin in use
16(666) Bit RGB interface	DB17-DB13, DB11-DB6, DB5-DB1
18(666) Bit RGB interface	DB17-DB0

NOTE: If used RGB mode must select serial interface!



MULTI-INNO TECHNOLOGY CO.,LTD.

02	Add tp AA, VA, and FPC width demension and MCU Interface	2015.06.17	DRAWN BY: CAROL	2015.06.17	SCALE : 1/1	MODULE P/N: MI0283AAT-1RP
01	First issue	2015.01.20	CHECKED BY:		UNIT: mm	DESCRIPTION: TFT MODULE
VER.	REVISED DESCRIPTION	DATE	APPROVED BY:			
			VERSION NO:	02		