DMT057VGNTRS0-1A

PRODUCT

MINI SPECIFICATION

Jan 10, 2024

Customer's Approval	
Signature	*Date*

Product customization is available from Densitron, please contact us for more spec details at contact@densitron.com or you can visit our online customization portal at www.densitron.com/displays-computers

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DMT057VGNTRS0-1A

5.7 inch 640(RGB)*480 TFT module with RTP

Main Features

Item	Specification
Display Type	TFT LCD
Display Area	115.2 (H) x 86.4 (V) mm (5.7" Diagonal)
Number of pixels	640 x RGB x 480 Dots
Overall Dimensions	127.00(W) x 98.43 (H) x 7.50 (D) mm
Mode	Normally White / Transmissive / TN
Contrast ratio	300
Viewing Direction	6 O'clock
Interface	18-bit RGB
Luminance	650 nits (Typ.)
Surface Treatment	Anti-Glare (3H)
Touch Panel	RTP
Touch Interface	4 Wire
Bonding Type	Tape Bonding
Operating Temperature	-20°C ~ +70°C
Storage Temperature	-30°C ~ +80°C
ROHS	Compliant to RoHS 2.0

DENSiTRON

Drawing

TFT PIN

1	GND	21	B1
2	DCLK	22	B2
3	HSYNC	23	B3
4	VSYNC	24	B4
5	GND	25	B5
6	R0	26	GND
7	R1	27	DEN
8	R2	28	VCC
9	R3	29	VCC
10	R4	30	L/R
11	R5	31	U/D
12	GND	32	VCC
13	G0	33	LED-
14	G1	34	NC
15	G2	35	NC
16	G3	36	NC
17	G4	37	LED+
18	G5	38	NC
19	GND	39	NC
20	B0	40	NC

1	Operating Voltage:	Vcc=3.3V typ.
2	Resolution:	640RGB*480
3	Color:	262K
4	Interface:	18-bits RGB
5	Display type:	Transmissive,TN
6	Viewing Direction:	6:00
7	Operating Temp:	-20°C~70°C
8	Storage Temp:	-30°C~80°C
9	Driver IC:	HX8250-A*2&HX8678-A
10	Backlight:	LED
11	Surface Luminance:	650 cd/m2(typ.)
12	Unspecified tolerance:	±0.3

TP PIN	
1	XR
2	YD
3	XL
4	YU

IMSA-9681S-40Y901-f(RISO) 0r Compatible

DETAIL a

DETAIL a

CONTACT SIDE

STIFFENER

BACKLIGHT CIRCUIT DIAGRAM
21.6V(MIN)~24.0V(typ.)~25.6V(MAX)@60mA(constant)

640RGBX480
6 O'clock