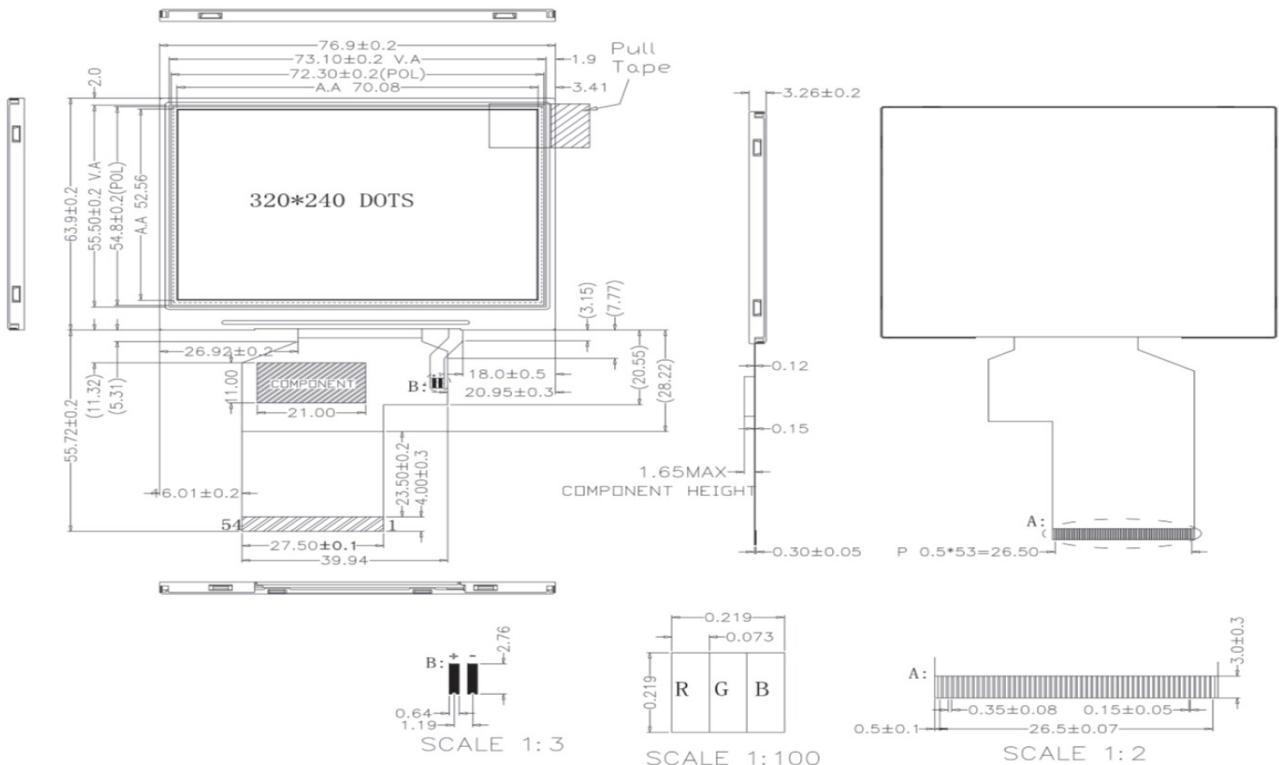


# MSF35L

## TFT Graphic 320x240



### Feature

1. 3.5 inches Color TFT
2. Dot Matrix: 320xRGBx240
3. View Direction: 12 o'clock
4. Gray Scale Inversion Direction: 6 o'clock
5. 3.3V power supply of VCC
6. Option Control-board/Frame/RTP/CTP
7. Interface : RGB 888(DE, SYNC)

### Mechanical Data

Item	Standard Value	Unit
Module Dimension	76.9 x 63.9	mm
Viewing Area	73.1 x 55.5	mm
Active Area	70.08 x 52.56	mm
Dot Pitch	0.073 x 0.219	mm

Pin No	Symbol	function	Pin No	Symbol	function
1	VLED-	Backlight LED Ground	31	R3	Red Data Bit3
2	VLED-		32	R4	Red Data Bit4
3	VLED+	Backlight LED Power	33	R5	Red Data Bit5
4	VLED+		34	R6	Red Data Bit6
5	NC		35	R7	Red Data Bit7
6	NC	Not use	36	HSYNC	Horizontal sync input
7	NC		37	VSYNC	Vertical sync input
8	/RESET	Hardware reset	38	DCLK	Dot Data Clock
9	SPENA	SPI interface Data Enable	39	NC	Not use
10	SPCLK	SPI interface Data Clock	40	NC	
11	SPDAT	SPI interface Data	41	Vcc	Digital power
12	B0	Blue Data Bit 0	42	Vcc	
13	B1	Blue Data Bit 1	43	NC	
14	B2	Blue Data Bit 2	44	NC	
15	B3	Blue Data Bit 3	45	NC	Not use
16	B4	Blue Data Bit 4	46	NC	
17	B5	Blue Data Bit 5	47	NC	
18	B6	Blue Data Bit 6	48	SEL2	
19	B7	Blue Data Bit 7	49	SEL1	Control the input data format
20	G0	Green Data Bit 0	50	SEL0	
21	G1	Green Data Bit 1	51	NC	Not use
22	G2	Green Data Bit 2	52	DE	Data Enable input
23	G3	Green Data Bit 3	53	DGND	Ground
24	G4	Green Data Bit 4	54	AVSS	
25	G5	Green Data Bit 5			
26	G6	Green Data Bit 6			
27	G7	Green Data Bit 7			
28	R0	Red Data Bit0			
29	R1	Red Data Bit1			
30	R2	Red Data Bit2			

### Electrical Characteristics (Operating conditions)

Item	Symbol	Min	Typ	Max	Unit
Supply Voltage	VCC	3	3.3	3.6	V
Supply Current	ICC	---	8.6	---	mA

### Electrical Characteristics (B/L driving conditions)

Parameter	Symbol	Min	Typ	Max	Unit
LED Voltage	VLED+	17.4	19.2	20.4	V
LED Current	ILED	---	20	---	mA

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