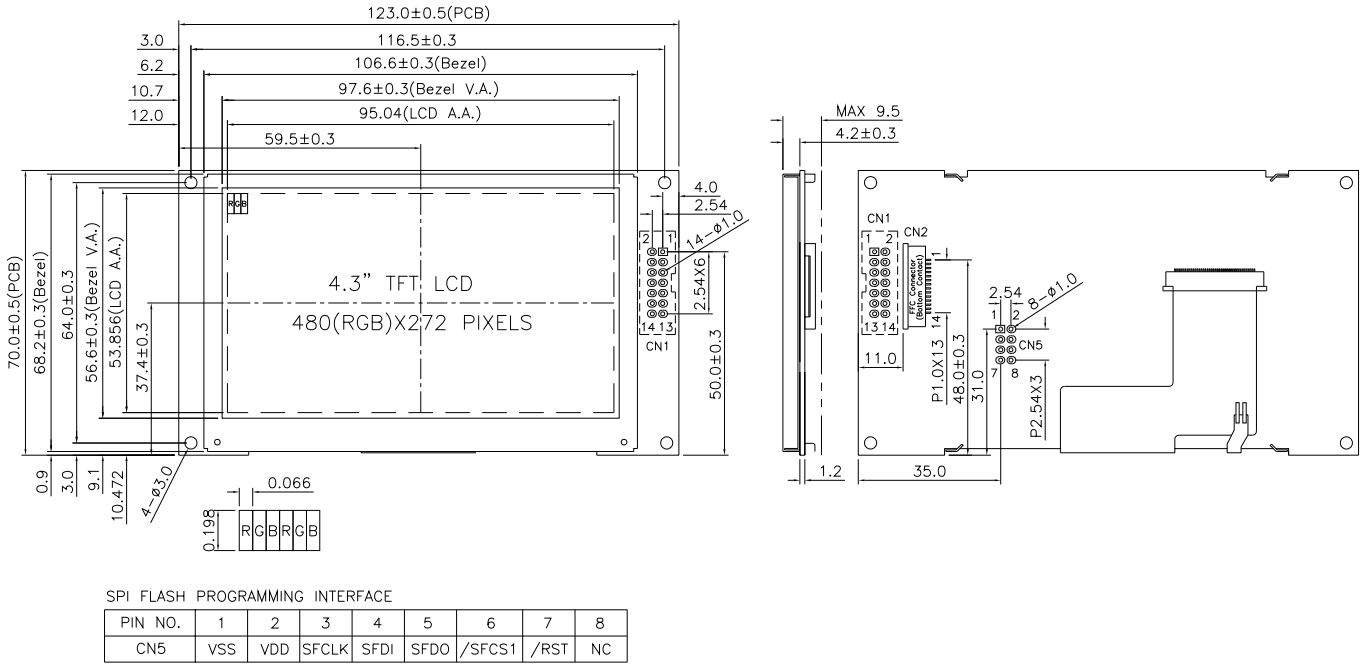
LT043E-33AS

4.3", 480(RGB) x 272 TFT with 3/4-wire SPI interface, 3.3V



SPI FLASH PROGRAMMING INTERFACE

PIN NO.	1	2	3	4	5	6	7	8
CN5	VSS	VDD	SFCLK	SFDI	SFDO	/SFCS1	/RST	NC

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage(Logic)	V_{DD} - V_{SS}	-0.3	4.0	V
Supply Voltage(LED)	V_{LED} - V_{SS}	-0.3	14.0	V
Input Voltage	V_I	-0.3	V_{DD}+ 0.3	V
Operating Temp.	T_{opr}	-20	70	°C
Storage Temp.	T_{stg}	-30	80	°C

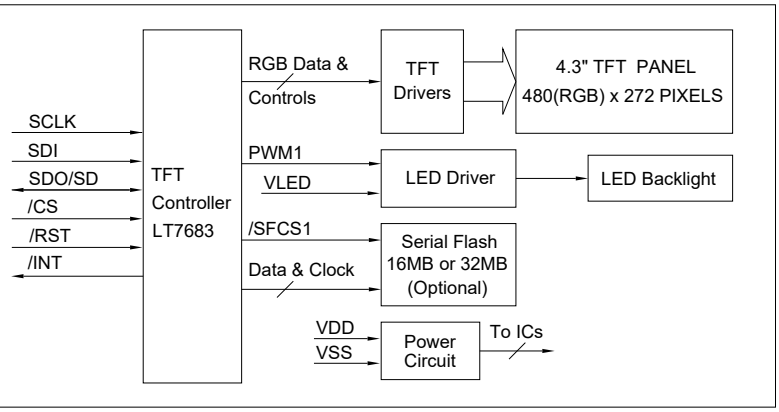
MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size (W x H x T)	123.0 x 70.0 x 9.5	mm
Viewing Area (W x H)	97.6 x 56.6	mm
Active Area (W x H)	95.04 x 53.856	mm
Dot Pitch (W x H)	0.066 x 0.198	mm
Weight	Approx. 75	g

ELECTRICAL CHARACTERISTICS (V_{DD}=3.3V±0.3V)

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Input High Voltage	V_{IH}	--	2.0	--	V_{DD}	V
Input Low Voltage	V_{IL}	--	-0.3	--	0.8	V
Output High Voltage	V_{OH}	--	2.4	--	V_{DD}	V
Output Low Voltage	V_{OL}	--	0	--	0.4	V
Supply Current (Logic)	I_{DD}	V_{DD} = 3.3V	--	75	95	mA
Supply Current (LED)	I_{LED}	V_{LED} = 3.3V	--	115	140	mA
		V_{LED} = 5.0V	--	75	95	mA
		V_{LED} = 9.0V	--	42	52	mA

BLOCK DIAGRAM



PIN CONNECTIONS (CN1/CN2)

Pin	Symbol	Level	Function
1	V_{SS}	0V	GND
2	V_{SS}	0V	GND
3	V_{DD}	3.3V	Power supply for logic
4	V_{LED}	3V to 12V	Power supply for LED B/L driver
5	/RST	L	Reset signal. Active "L".
6	NC	--	No connection
7	/INT	L	Interrupt signal output. Active "L". Keep /INT open when it is not used.
8	NC	--	No connection
9	SCLK	H/L	Serial colck input for 3/4 wire SPI
10	SDI	H/L	Serial data input for 4-wire SPI Keep SDI open in 3-wire SPI
11	SDO SD	H/L	Serial data output SDO for 4-wire SPI Bi-directional data SD for 3-wire SPI
12	/CS	L	Chip selection for 3/4-wire SPI
13	VSS	0V	GND
14	VSS	0V	GND