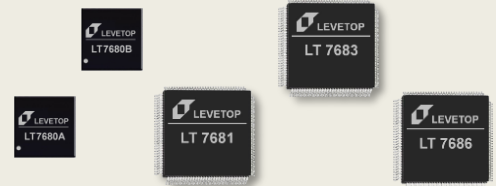


LT768x Parts List



Support Features		LT7680A-R	LT7680B-R	LT7681	LT7683	LT7686
Items	Function					
Package	LQFP / QFN	QFN-68	QFN-68	LQFP-128	LQFP-128	LQFP-128
LCD Spec.	Resolution/Max.	1280*1024	480*320	640*480	1024*768	1280*1024
	Colors	262K	262K	16.7M	16.7M	16.7M
	TFT Interface	RGB (18bits/Max)	RGB (18bits/Max)	RGB (24bits/Max)	RGB (24bits/Max)	RGB (24bits/Max)
Display RAM	Embedded SRAM	128Mbit	128Mbit	128Mbit	128Mbit	128Mbit
	Layers	5 Layers/Min	48 Layers/Min	18 Layers/Min	7 Layers/Min	4 Layers/Min
MCU Interface	8080 / 6800 8bit			V	V	V
	8080 / 6800 16bit			V	V	V
	3-wire SPI	V	V	V	V	V
	4-wire SPI	V	V	V	V	V
	I2C Interface			V	V	V
Others Interface	SPI Master (DMA Flash)	V (*2)	V (*2)	V (*2)	V (*2)	V (*2)
	I2C Master			V	V	V
	PWM O/P	2	2	2	2	2
	GPIO O/P	7/max	7/max	28/max	28/max	28/max
	Key-scan			5*5	5*5	5*5
Graphics Features	2D BTE Engine	V	V	V	V	V
	Geometric Drawing Engine	V	V	V	V	V
	Polygon Drawing	V	V	V	V	V
	Picture in Picture (PIP)	V	V	V	V	V
	Virtual Display	V	V	V	V	V
	Vertical Scrolling	V	V	V	V	V
	Horizontal Scrolling	V	V	V	V	V
	Mirror and Rotation	V	V	V	V	V
	Alpha-Blending	V	V	V	V	V
	Graphic Cursor	V	V	V	V	V
	Power-on Display	V	V	V	V	V
Color-Bar Test	V	V	V	V	V	
Text Features	Embed. ISO/IEC 8859	ISO8259	ISO8259	ISO8259	ISO8259	ISO8259
	Ext. Font (ext. SPI Flash)	V (16*16, 24*24, 32*32)	V (16*16, 24*24, 32*32)	V (16*16, 24*24, 32*32)	V (16*16, 24*24, 32*32)	V (16*16, 24*24, 32*32)
	Text Enlargement	4*4	4*4	4*4	4*4	4*4
	Text Rotate	V	V	V	V	V
	Text Cursor	V	V	V	V	V
	User-defined Char.	V	V	V	V	V
Power	Sleep Mode (Standby/Suspend/Sleep)	V	V	V	V	V
	Power Supply	3.3V	3.3V	3.3V	3.3V	3.3V

