



Gray Scale Driver

Part Number	SSD1848	SSD1857	SSD1858	SSD1859
Max. Display Size (Seg x Com)	130X130	96 x 96	104 x 64	128 x 80
Low Power Icon	-	-	104	128
Grayscale	4 out of 64 levels	4 out of 16 levels	4 out of 64 levels	4 out of 64 levels
Supply Voltage	2.4V ~ 3.3V	1.8 ~ 3.3V	1.8 ~ 3.3V	1.8 ~ 3.3V
Logic I/O Voltage	1.7V~3.3V	2.4 ~ 3.3V	1.8 ~ 3.3V	2.4 ~ 3.3V
Max. LCD Voltage	+15V	+15V	+12.0V	+15.0V
Interface	8bit Parallel	6800/8080	6800/8080	6800/8080
	Serial Interface	3 or 4 wires	3 or 4 wires	3 or 4 wires
	I2C	No	No	No
Features	Graphic RAM (bits)	130 x 130 x 2	96 x 96 x 2	104 x 65 x 2
	Build-in Booster Capacitor	No	Yes	Yes
	Build-in Divider Capacitor	Yes	Yes	Yes
	DC/DC Level	4 ~ 7X	4 ~ 8X	2 ~ 5X
	Bias Ratio	1:4 ~ 1:13	1:4 ~ 1:11	1:4 ~ 1:9
	Partial Display	1/9 ~ 130	1/16 ~ 96	1/16 ~ 65
	Contrast Level	64 Level	64 Levels	64 Levels
	Operation Temperature (°C)	-30 ~ 85°C	-40 ~ 85°C	-40 ~ 85°C
Advanced Features	Sleep Mode	Yes	Yes	Yes
	N-Line Inversion	Yes	Yes	Yes
	Temperature Compensation	4 Settings	2 Settings	5 Settings
	On Chip OTP	Yes	Yes, Dual	Yes
	Pin Package	COG	COG	COG
	Sample	Done	Done	Done
	MP	Done	Done	Done