

Display Panel IC

Mobile Display

TFT Driver Controller

Portrait Driver Controller

Part Number	Description	Display Size	Ordering Part No.	Package	Features Highlight
SSD1269	262K Color, ramless TFT Driver	240RGBx320	SSD1269Z	Gold Bump Die	
SSD1276	65K / 262K Color TFT Driver Controller	176RGBx220	SSD1276Z	Gold Bump Die	
SSD1278A	262K Color TFT Driver Controller	176RGBx220	SD1278AZ	Gold Bump Die	
SSD1279	262K Color TFT Driver Controller	240RGBx320	SSD1279Z	Gold Bump Die	
SSD1282	262K Color TFT Driver Controller	132RGBx132	SSD1282Z	Gold Bump Die	
SSD1283	262K Color TFT Driver Controller	132RGBx132	SSD1283Z	Gold Bump Die	
SSD1284	65K / 262K Color TFT Driver Controller	132RGBx132	SSD1284Z	Gold Bump Die	
SSD1287	262K Color TFT Driver Controller	176RGBx220	SSD1287Z	Gold Bump Die	
SSD1288	262K Color TFT Driver Controller	176RGBx220	SSD1288Z	Gold Bump Die	
SSD1289	65K / 262K Color TFT Driver Controller	240RGBx320	SSD1289Z	Gold Bump Die	
SSD1297	65K / 262K Color TFT Driver Controller	240RGBx320	SSD1297Z	Gold Bump Die	
SSD1298	65K / 262K Color TFT Driver Controller	240RGBx320	SSD1298Z	Gold Bump Die	
SSD1299	262K Color TFT Driver Controller	240RGBx320	SSD1299Z	Gold Bump Die	
SSD2006	65K / 262K Color, LTPS ramless TFT Source Driver	240RGBx320 (LTPS)	SSD2006Z	Gold Bump Die	
SSD2116	262K Color TFT Driver Controller	320RGBx240	SSD2116Z	Gold Bump Die	
SSD2215	262K / 16M Color, ramless, MIPI interface	240RGBx320	SSD2215Z	Gold Bump Die	
SSD2220	262K Color TFT Driver Controller	240RGBx432	SSD2220Z	Gold Bump Die	
SSD2225	262K / 16M Color TFT Driver Controller	240RGBx432	SSD2225Z	Gold Bump Die	

Landscape Driver Controller

Part Number	Description	Display Size	Ordering Part No.	Package	Features Highlight
SSD2116	262K Color	480x272RGB	SSD2116Z	Gold Bump Die	
SSD2118	16M Color, CCIR interface	320RGBx240	SSD2218Z	Gold Bump Die	
SSD2118B	16M Color, ramless, RGB/CCIR interface, DBC	320RGBx240	SSD2118BZ	Gold Bump Die	
SSD2119	262K Color, MCU/RGB interface	320RGBx240	SSD2119Z	Gold Bump Die	
SSD2123	16M Color	480x272RGB	SSD2123Z	Gold Bump Die	
SSD2125	16M Color	272RGBx480	SSD2125Z	Gold Bump Die	

Controller

Part Number	Description	Ordering Part No.	Package	Features Highlight
SSD1270	Support 262K Color, up to QVGA Resolution, 6 Wires Data Transmission	SSD1270Z	Gold Bump Die	
		SSD1270QP2	QFP	
		SSD1270G35	u-BGA	
SSD2802	Support 16M Color, up to HVGA size panel at 60fps, MIPI Controller	SSD2802Z	Gold Bump Die	

STN/CSTN Driver Controller

CSTN Display Driver

Part Number	Description	Display Size	Ordering Part No.	Package	Features Highlight
SSD1769	CSTN LCD Driver/Controller, 65K Color Gphx	132x132	SSD1769Z	Gold Bump Die	
SSD1771	CSTN LCD Driver/Controller, 65K Color Gphx	104x80	SSD1771Z	Gold Bump Die	
SSD1772	CSTN LCD Driver/Controller, 65K Color Gphx	104x80	SSD1772Z	Gold Bump Die	
SSD1773	CSTN LCD Driver/Controller, 65K Color Gphx	104x80	SSD1773Z	Gold Bump Die	
SSD1774	CSTN LCD Driver/Controller, 65K Color Gphx, Built-in Cap	104RGB x 80 + 1	SSD1774Z	Gold Bump Die	
SSD1777	CSTN LCD Driver/Controller, 65K Color Gphx, Built-in Cap	98RGB x 68	SSD1777Z	Gold Bump Die	
SSD1783B	CSTN LCD Driver/Controller, 65K Color Gphx	132x160	SSD1783BZ	Gold Bump Die	
SSD1788	CSTN LCD Driver/Controller, 65K Color Gphx	98x68	SSD1788Z	Gold Bump Die	
SSD1789A	CSTN LCD Driver/Controller, 65K Color Gphx	132x132	SSD1789AZ	Gold Bump Die	
SSD1793	CSTN LCD Driver/Controller, 65K / 262K Color Gphx	132RGB x 160	SSD1793Z	Gold Bump Die	

General Product Selection Guide

Gray Scale LCD Driver

Part Number	Description	Display Size	Ordering Part No.	Package	Features Highlight
SSD1848	4GS LCD Driver/ Controller	130x130	SSD1848Z	Gold Bump Die	Build-in CAP
		130x130	SSD1848U	COF	Build-in CAP
SSD1856	4GS LCD Driver/ Controller	104x80	SSD1856Z	Gold Bump Die	
SSD1857	4GS LCD Driver/ Controller	96x96	SSD1857Z	Gold Bump Die	Built-in CAP, Dual OTP
SSD1858	4GS LCD Driver/ Controller	104x65	SSD1858Z	Gold Bump Die	
SSD1859	4GS LCD Driver/ Controller	128x80	SSD1859Z	Gold Bump Die	

Monochrome LCD Driver

Part Number	Description	Display Size	Ordering Part No.	Package	Features Highlight
SSD1801A	LCD Driver/Controller	80x24	SSD1801AV	Bare Die	
SSD1801	LCD Driver/Controller	80x24	SSD1801Z	Gold Bump Die	Low Power
	LCD Driver/Controller	80x24	SSD1801AV	Bare Die	Low Power
SSD1805	LCD Driver/Controller	132x65	SSD1805Z	Gold Bump Die	Built-in CAP, OTP
		132x65	SSD1805T1R1	TAB	
SSD1809	LCD Driver/Controller	160x65	SSD1890T1R1	TAB	
SSD1815B	LCD Driver/Controller	132x65	SSD1815BT2R1	TAB	
		132x65	SSD1815BTR1	TAB	
		132x65	SSD1815BZ	Gold Bump Die	
SSD1816	LCD Driver/Controller	130x130	SSD1816Z	Gold Bump Die	Built-in Divider Cap
		130x130	SSD1816U	COF	
SSD1820A	LCD Driver/Controller	128x64	SSD1820AZ	Gold Bump Die	
SSD1821	LCD Driver/Controller	128x80	SSD1821Z	Gold Bump Die	
SSD1829	LCD Driver/Controller	96x68	SSD1829Z	Gold Bump Die	Built-in CAP

PDA Chipset

MLA LCD Driver Chipset

Part Number	Description	Ordering Part No.	Package	OLB pitch (mm)	Features Highlight
SSD1732	MLA Power Chip	SSD1732QL3	48LQFP		
SSD1871	160 Outputs MLA Column Driver	SSD1871Z	Gold Bump Die		
		SSD1871T1R1	TAB	0.14	
		SSD1871T2R1	TAB	0.22	
SSD1873	320 Outputs MLA Column Driver	SSD1873Z	Gold Bump Die		
		SSD1873T1R1	TAB	0.18	
SSD1876	480 Outputs MLA Column Driver	SSD1876Z	Gold Bumped Die		
		SSD1876UR1	COF	0.065	
SSD1881	160 Outputs MLA Row Driver	SSD1881Z	Gold Bump Die		
		SSD1881TR1	TAB	0.2295	
		SSD1881T1R1	TAB	0.14	
		SSD1881T2R1	TAB	0.22	

SLA LCD Driver Chipset

Part Number	Description	Ordering Part No.	Package	OLB pitch (mm)	Features Highlight
SSD1701	160 Outputs SLA COM / SEG Driver	SSD1701Z	Gold Bump Die		
		SSD1701T2R1	TAB	0.22	
SSD1702	240 Outputs SLA COM / SEG Driver	SSD1702Z	Gold Bump Die		
		SSD1702T1R1	TAB	0.21	
		SSD1702T2R1	TAB	0.20	
		SSD1702T3R1	TAB	0.055	
SSD1703	320 Outputs SLA COM / SEG Driver	SSD1703Z	Gold Bump Die		
		SSD1703T1R1	TAB	0.18	
SSD1706	480 Outputs SLA COM / SEG Driver	SSD1706Z	Gold Bump Die		
		SSD1706TR1	TAB	0.11	

Passive Matrix OLED Driver Controller

Part Number	Description	Display Size	Ordering Part No.	Package	Features Highlight
SSD1305	Mono/ Area Color OLED Driver/Controller	132x64	SSD1305Z	Gold Bump Die	
		132x64	SSD1305T6R1	TAB	
		132x64	SSD1305UR1	COF	
SSD1325	16GS OLED Driver/Controller	128x80	SSD1325Z	Gold Bump Die	
		128x80	SSD1325T6R1	TAB	
SSD1326	16GS OLED Driver/Controller	256x32	SSD1326Z	COG	
		256x32	SSD1326U	COF	
		256x32	SSD1326U1	COF	
SSD1329	16GS OLED Driver/Controller	123x128	SSD1329Z	Gold Bump Die	64 hard icon lines
		123x128	SSD1329U1	COF	
		123x128	SSD1329TR1	TAB	
SSD1331	Color OLED Driver/Controller, 65K Color Gphx	96RGBx64	SSD1331Z	Gold Bump Die	
		96RGBx64	SSD1331U1R1	COF	
		96RGBx64	SSD1331U3R1	COF	
SSD1353	Color OLED Driver/Controller, 262K Color Gphx	160RGBx128	SSD1353UR1	COF	
		160RGBx128	SSD1353Z	Gold Bump Die	
SSD1355	Color OLED Driver/Controller, 262K Color Gphx	128RGBx160	SSD1355Z	Gold Bump Die	
		128RGBx128	SSD1355U2R1	COF	
		128RGBx96	SSD1355U3R1	COF	
		128RGBx160	SSD1355U6R1	COF	

Active Matrix OLED Driver Controller

Part Number	Description	Display Size	Ordering Part No.	Package	Features Highlight
SSD2383	Active Matrix OLED Driver, 262K Color Gphx	132RGBx132	SSD2383Z	Gold Bump Die	
SSD2388	Active Matrix OLED Driver, 262K Color Gphx	176RGBx220	SSD2388Z	Gold Bump Die	

Large Display

TFT Driver

Part Number	Description	Ordering Part No.	Package	Features Highlight
SSD1201	256 / 263 o/p, LCD TFT Gate Driver	SSD1201TR1	TCP	
		SSD1201UR1	COF	
		SSD1201U1R1	COG	
SSD1204	256 o/p TFT LCD gate driver	SSD1204UR1	COF	
SSD1205	200 / 240 / 256 / 263 / 270 o/p, LCD TFT Gate Driver	SSD1205U3R1	COF	4 Build in Gamma Buffers. Suitable for PCB-less gate driver.
		SSD1205U4R1	COF	
SSD1211	384 / 414 o/p, 8 bit, RSDS, LCD TFT Source Driver	SSD1211UR1	COF	2 Build in Gamma Buffers.
		SSD1211U1R1	COF	
SSD1213	480 o/p, 8 bit, RSDS, LCD TFT Source Driver	SSD1213UR1	COF	
SSD1231	384 o/p, 6 bit, RSDS, LCD TFT Source Driver	SSD1231T2R1	TCP	
SSD1232	480/504/516/528 o/p, 6 bit, RSDS, LCD TFT source driver	N/A	N/A	
SSD1237	618/642o/p, 6 bit, RSDS, LCD TFT source driver	SSD1237AU4R1	COF	
		SSD1237AU5R1	COF	
SSD1246	540/600/630/645 o/p, 6 bit, mini-LVDS, LCD TFT source driver	N/A	N/A	

Timing Controller

Part Number	Description	Ordering Part No.	Package	Features Highlight
SSD2900	Dual LVDS Inputs/ Dual RSDS Outputs TCON for Monitor, support SXGA (1280x1024) and UXGA (1600x1200) TFT-LCD panels	SSD2900QL9	128 LQFP (Tray format)	
SSD2941	TFT LCD Timing Controller for TV Maximum support 1366x768 with BFI	SSD2941QL15	160 LQFP	
SSD2942	TFT LCD Timing Controller for TV Maximum support 1366x768 without BFI	SSD2942QL15	160 LQFP	

New Display

Bistable Display Driver Controller

Part Number	Description	Ordering Part No.	Package	Features Highlight
SSD1615	132 Segments x 64 Commons, Passive dot-matrix for Cholesteric display	SSD1615Z	Gold Bump Die	
		SSD1615U1R1	COF	
SSD1621	92 Segments, 1 Background Segments, 1 Common, Segment/Icon type direct drive display	SSD1621V	QFP80	
		SSD1621Z	Au-Bumped Die	
		SSD1621U	COF	
SSD1623	95 Segments, 1 Background Segment, 1 Common, Segment/Icon type direct drive display	SSD1623V	Bare die	
		SSD1623Z	Au-Bumped Die	
		SSD1623UR1	COF	

Microdisplay Controller

Part Number	Description	Ordering Part No.	Package	Features Highlight
SSD1502	VGA Microdisplay Graphic Controller	SSD1502QT4	TQFP80	
		SSD1502G32	BGA80	
SSD1203	VGA Microdisplay Graphic Controller	SSD1503QQT4	QFP80	

Display System Solution

Multimedia Processor

Part Number	Description	Ordering Part No.	Package	Features Highlight
SSD1933	Support display up to 1024x600, 16Mcolor	SSD1933G38	TFBGA-468	240MHz ARM926 + 270MHz AV-DSP

Display Controller

Graphic Controller

Part Number	Description	Embedded SRAM	Ordering Part No.	Package	Features Highlight
SSD1905	HR-TFT/TFT/CSTN/STN Graphic Controller	80KB	SSD1905QT2	100TQFP	
		80KB	SSD1905QT2R	100TQFP	
SSD1906	HR-TFT/TFT/CSTN/STN Graphic Controller	256KB	SSD1906QT2	100TQFP	
			SSD1906BT14	100TFBGA	
SSD1961	Display Controller	675KB	SSD1961G40	64TFBGA	Support LCD panels up to VGA resolution

Image Processor

Part Number	Description	Embedded SRAM	Ordering Part No.	Package	Features Highlight
SSD1921	JPEG codec, Camera and video input port, SD interface Image Processor	256KB	SSD1921QL12	144LQFP	
SSD1922	Dual display support, JPEG codec, Camera and video input port, SD interface Image Processor	256KB	SSD1922G34	144TFBGA	
SSD1926	JPEG codec SD interface Image Processor	256KB	SSD1926QL9	128LQFP	Direct connection to display panel types of STN, CSTN, TFT (stripe or delta)
SSD1928	JPEG codec, Camera and video input port, SD interface Image Processor	256KB	SSD1928QL9	128LQFP	Direct Connection to display panel types of STN, CSTN, TFT (stripe or delta)

Microdisplay

VGA Module

Part Number	Description
KCD-QECF-LX	VGA Binocular video subsystem Virtual image size: 48 inches diagonal at 7 feet

QVGA Module

Part Number	Description
KCD-QENF-LX	QVGA Binocular video subsystem Virtual image size: 35 inches diagonal at 7 feet
KCD-QMNF-ITB	QVGA Monocular module, with easy-to-use focusing mechanism Virtual image size: 16 inches diagonal at 1m

MIPI Total Solution

MIPI Master Bridge Chip

Part Number	Description	Ordering Part No.	Package
SSD2805	Maximum support for HVGA size panel at 60fps; Support MCU interface of 8/16/18 bits (6800 and 8080), RGB interface (16/18 bits) and SPI interface (8-bit 3-wire, 8-bit 4-wire, or 24-bit 3-wire)	SSD2805	Mini 5x5 mm 64-pin BGA

Integrated MIPI TFT Driver Controller

Part Number	Description	Ordering Part No.	Package
SSD2215	240RGB x 320 single chip driver controller for 262K / 16.7M color a-TFT LCD with integrated MIPI interface	SSD2218	COG

Note: *Gphx* - Graphic Display *GS* - Gray Scale *MLA* - Graphic Display with Multi-Line Addressing
 OTP - One Time Programming