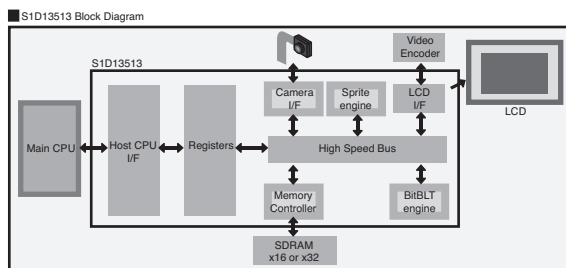
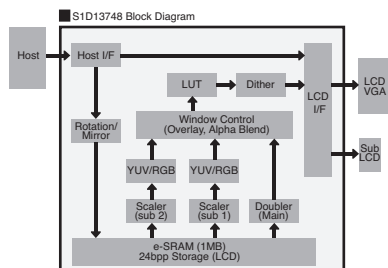


# EPSON ELECTRONICS AMERICA Graphic Controllers



The EPSON LCD Controller family of products offers operating system independent display solutions for embedded markets, such as Mobile Communications, Hand-Held PCs, Office Automation, and other embedded devices. EPSON LCD controllers feature high-performance and low power consumption and include support for the most popular RISC processors. EPSON LCD Controllers support a wide range of LCD panels, including those from small to large scale and those from monochrome to color.

Support for the most popular RISC processors, in addition to all LCD panel types, provides the OEM with complete flexibility. EPSON innovative features such as EPSON Independent Simultaneous Display, SwivelView™, 2D Acceleration, "Picture-In-Picture Plus", integrated USB Client, Digital Camera Interface, and Power Saving technology combine to provide an ideal display solution for a wide variety of applications.



## EPSON LCD CONTROLLERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epson Part No.	Package Type	Output	Max. Resolution	Display Memory	Max. Colors/ Gray Scales	Price Each			
							1	25	50	100
732-S1D13513F01A100	S1D13513F01A100	QFP22-208	XVGA	1024x768	Up to 64MB External SDRAM	64 Gray/256K Color	16.00	13.70	13.18	12.14
732-S1D13700F02A100	S1D13700F02A100	QFP13-64	QVGA	320x240	32KB Embedded SRAM display buffer	16K Gray Scale	8.52	6.82	6.82	6.46
732-S1D13706F00A200	S1D13706F00A200	TQFP15-100	QVGA	320x240	80KB Embedded SRAM	64K Colors	16.24	14.67	14.67	14.11
732-S1D13717F00A200	S1D13717F00A200	QFP21-176	QVGA	320x240	224 KB Embedded SRAM	64K Colors	12.72	11.44	11.44	10.81
732-S1D13748F00A100	S1D13748F00A100	QFP20-144	WVGA	800x480	1024 KB Embedded SRAM	64K Colors	17.22	15.50	15.50	14.64
732-S1D13774B02B100	S1D13774B02B100	VFBGA7-161	WVGA	800x480	1280 KB Embedded DRAM	16M Colors	24.16	21.74	21.74	20.54
732-S1D13A04F00A100	S1D13A04F00A100	TQFP15-128	QVGA	320x240	160KB Embedded SRAM	64K Colors	17.00	14.14	14.14	13.25
732-S1D13A05B00B200	S1D13A05B00B200	PFBGA-121	QVGA	320x240	256KB Embedded SRAM	64K Colors	14.93	13.93	13.93	13.60
732-S1D13A05F00A100	S1D13A05F00A100	QFP5-128	QVGA	320x240	256KB Embedded SRAM	64K Colors	15.49	14.55	14.55	14.24
732-S1D13506F00A200	S1D13506F00A200	QFP15-128	QVGA	800x600	Requires External 2MB EDO RAM	64K Colors	14.28	13.39	13.39	12.86
732-S1D13742F01A200	S1D13742F01A200	QFP20-144	WVGA	800x480	768KB Embedded display buffer	256K Colors	16.68	15.47	15.47	14.99
732-S1D13748B00B100	S1D13748B00B100	PFBGA 121	WVGA	800x480	1024KB Embedded SRAM	16M Colors	16.70	12.94	12.94	12.53
732-S2D13515F00A100	S2D13515F00A100	QFP22-256	XVGA	1024x768	Up to 64MB External SDRAM	16M Colors	20.96	18.69	17.56	17.00

## EPSON T.V. OUT CONTROLLER

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epson Part No.	Package Type	Output	Input Data Format		Display Memory	Price Each			
				RGB	YUV		1	25	50	100
732-S1D13746B01B600	S1D13746B01B600	PFBGA-100	NTSC/ PAL	8:8-8, 6:6-6, 5:6-5, 3:3-2	4:2-2, 4:2-0	312K Byte Embedded SRAM	7.57	7.24	7.02	6.80

## EPSON MICROCONTROLLERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epson Part No.	Package Type	Flash (Bytes)	RAM (Bytes)	LCD Driver	Clock Frequency (MHz)	I/O Ports	Serial Communication	Price Each			
									1	10	50	100
732-S1C17704F00E100	S1C17704F00E100	TQFP24-144	64K	4K	56x32	8.2	28	SPI, I2C, UART	8.33	5.99	5.66	5.16
732-S1C17704F00B100	S1C17704F00B100	TQFP24-144	64K	4K	56x32	8.2	28	SPI, I2C, UART	8.33	5.99	5.66	5.16

## EPSON VOICE GUIDANCE IC

The S1V3S344 features high-compression, high-quality audio decoding functions, built-in voice data flash memory, and a DA converter, making it ideal for use in voice guidance products. The voice data creation tool for EPSON voice guidance LSI allows easy creation of high-quality voice data without the need for studio recording. All functions are controlled by commands via a serial interface for easy addition to any existing system incorporating a host.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epson Part No.	Package Type	Voice Data - Flash (kB)	Sample Rate (kHz)	Bitrate (kbps)	Serial Interface	No. of Phrases	DAC	Price Each			
									1	25	50	100
732-S1V3S344A00A800	S1V3S344A00A800	QFP-52	512	16	40, 32, 24, 16	UART, I2C	64	16-bit	30.00	26.25	24.75	24.00

## EPSON EVALUATION BOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epson Part No.	Description	Price Each
732-S5U13000P00C000	S5U13000P00C000	PC Card Adaptor for S1D13700	350.52
732-S5U13506P00C100	S5U13506P00C100	S1D13506F00A LCD Controller Evaluation Board	488.95
732-S5U13513P00C100	S5U13513P00C100	S1D13513 Evaluation Board	444.50
732-S5U13700P00C000	S5U13700P00C000	S1D13700 Evaluation Board	350.52
732-S5U13706P00C100	S5U13706P00C100	S1D13706 Evaluation Board	488.95
732-S5U13742P00C100	S5U13742P00C100	S1D13742 Evaluation Board	488.95
732-S5U13743P00C100	S5U13743P00C100	S1D13743 Evaluation Board	488.95
732-S5U13748P00C100	S5U13748P00C100	S1D13748 Evaluation Board	450.00
732-S5U13A05P00C100	S5U13A05P00C100	S1D13A05F00A Evaluation Board	488.95
732-S5U13U00P00C100	S5U13U00P00C100	USB Adaptor Board used with LCD Evaluation Boards	795.02
732-S5U1C17701T1100	S5U1C17701T1100	C17 MCU Evaluation Board	423.17

## EPSON MULTIFUNCTION SENSOR EVALUATION BOARDS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epson Part No.	Description	Interface	Power Supply (V)	Price Each
732-S7U4E0020020000	S7U4E0020020000	Micro 6DOF Sensor Evaluation Module, 3 axis Accelerometer, Gyro	UART	2.8-3.3	304.87
732-S7U4E0020030000	S7U4E0020030000	Micro GPS Evaluation Module, 5m accuracy, Max -160dBm Sensitivity	UART	2.7-3.6	304.87
732-S7U4E002A010000	S7U4E002A010000	Micro USB Interface Board for S7U4E002 Series	USB, UART	-	124.86
732-S7U4E001A010000	S7U4E001A010000	Multifunction Sensor Evaluation Board, Six Axis Gyroscope, 3 Axis Accelerometer, Pressure Sensor, 3 axis geomagnetic sensor	USB, Zigbee	-	1512.74
732-S7U4E001A020000	S7U4E001A020000	Multifunction Sensor Evaluation Board, Six Axis Gyroscope, 3 Axis Accelerometer, Pressure Sensor, 3 axis geomagnetic sensor	USB	-	793.39

