

LCD CONTROLLERS, DRIVERS (monolithic integrated circuit)

T-65-13

Type Number	Package	Case Pins & Variation	Package No.	Circuit Functions & Applications	Main Specifications
LA5640N	NP	3	3131	Voltage Regulator for LCD	3.15V, 300 μ A, temp. char. of output voltage : same as LCD (temp. coefficient of output voltage 11.2mV/C typ)
LC7580	QIP	64A	3057	LCD Driver	Static 1/1duty 53 segments, 1/2duty 104 segments, with 2 pins for 5-level AD converter
LC7582	QIP	64A	3057	LCD Driver	Static 1/1duty 53 segments, 1/2duty 104 segments, with 2 pins for 5-level AD converter, high-speed serial data transfer version of LC7580
LC7583	QIP	64A	3057	Frequency Display LCD Driver	1/2duty 66 segments (except level meter, DISP display), level meter : 13 dots $\times$ 2 (log scale), 13 dots $\times$ 2 (linear scale), 26 dots $\times$ 1 (linear scale)
LC7584N	QIP	80A	3044B	LCD Driver with Character Generator	1/2 duty 16 segments, 6 digits, level meter : 13 dots $\times$ 2 (log scale), 13 dots $\times$ 2 (linear scale), 26 dots $\times$ 1 (linear scale)
LC7930N	QIP	60C	3055A	LCD Segment Driver	LCD dot matrix display, capable of being configured as segment driver + back plate driver
LC7940A	QIP	100A	3089	LCD Segment Driver	LCD dot matrix display, driver for 80 bits
LC7940H	QIP	100A	3089	LCD Segment Driver	LCD dot matrix display, driver for 80 bits, high-breakdown voltage version
LC7941A	QIP	100A	3089	LCD Segment Driver	LCD dot matrix display, driver for 80 bits, mirror image pin assignment version of LC7940
LC7941H	QIP	100A	3089	LCD Segment Driver	LCD dot matrix display, driver for 80 bits, high-breakdown voltage version, mirror image pin assignment version of LC7940H
LC7942A	QIP	80A	3044B	LCD Common Driver	LCD dot matrix display, driver for 64 bits, equivalent to MSM5278
LC7943	QIP	80A	3044B	LCD Common Driver	LCD dot matrix display, driver for 68 bits, equivalent to MSM5298
LC7980	QIP	64A	3057	LCD Controller	LCD dot matrix display, capable of interfacing direct to 8-bit microcomputer (80 series, 68 series)
LC7981	QIP	60C	3055A	LCD Controller	LCD dot matrix display, capable of interfacing direct to 8-bit microcomputer (68 series)
LC7985NA	QIP	80A	3044B	LCD Character Display Controller & Driver	Display capacity 80 characters $\times$ 1 line/40 characters $\times$ 2 lines, on-chip 16 common drivers, 40 segment drivers

SENSOR APPLICATIONS (monolithic integrated circuit)

Type Number	Package	Case Pins	Package No.	Circuit Functions & Applications	Main Specifications
LB9020M	MFP	8	3032B	Sensor for Office Automation Equipment (Photoelectric Switch)	Meets variable photo sensors because of photo diode connected externally, photoelectric switch modulation type
LB9051	SIP	3	3105	Hall IC (5V Supply) for Detection of Rotation, Position	Operating voltage range 3.6 to 16V, silicon hall element, amp, Schmitt trigger circuit
LB9052	SIP	3	3105	Hall IC (5V Supply) for Detection of Rotation, Position	Operating voltage range 3.6 to 16V, silicon hall element, amp, Schmitt trigger circuit, operated in unilateral magnetic field
LC7938C	Chip	-	-	Image Sensor, Driver	64-bit amorphous image sensor driver

TIMER APPLICATIONS AND OTHERS (monolithic integrated circuit)

Type Number	Package	Case Pins & Variation	Package No.	Circuit Functions & Applications	Main Specifications
LB8050	DIP	8	3001B	Intermittent Wiper Controller	High drive current 200mA, operating voltage 8 to 16V, high input impedance approx. 1M Ω , multifunction
LB8100M	MFP	16	3035A	Mechanism Controller for Headphone Stereo Use	Mechanism control of headphone stereo
LB8102M	MFP	16	3035A	Mechanism Controller for Headphone Stereo Use	Mechanism control of headphone stereo
LB8103M	MFP	24S	3112	Full Logic Mechanism Controller for Headphone Stereo Use	Full logic mechanism control of headphone stereo (supply voltage 1.0 to 3.5V)
LB8105M	MFP	16	3035A	Mechanism Controller for Minimicrocassette Recorder Use	Mechanism control of minimicrocassette recorder
LB8555D	DIP	8	3001B	General-Purpose Timer	Output current $\pm$ 200mA, directly interchangeable with NE555
LB8555S	SIP	8	3016B	General-Purpose Timer	Output current $\pm$ 200mA, single-in-line package version of LB8555D
LB8555M	MFP	8	3032B	General-Purpose Timer	Output current $\pm$ 200mA, miniflat package version of LB8555D
LC7730	DIP	16	3006B	Timer	Operating voltage range 1.8 to 5.5V, 15V open drain output, 10min. to several hr. timer
LC7730M	MFP	16	3035A	Timer	Operating voltage range 1.8 to 5.5V, 15V open drain output, 10min. to several hr. timer