

LATTICE Programmable Logic Devices

Products may be RoHS compliant.
Check mouser.com for RoHS status.



COMPLEX PROGRAMMABLE LOGIC DEVICES (CPLDs) (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lattice Part No.	Package	Voltage (V)	Tpd (ns)	I/O	Macro Cells	Price Each		
							1	25	100
842-4064V10TN1001	LC4064V-10TN1001	TQFP-100	3.3	10.0	100	64	3.50	3.15	3.06
842-LC4064V10TN48I	LC4064V-10TN48I	TQFP-48	3.3	10.0	48	64	3.22	2.90	2.81
842-LC4064V25TN48C	LC4064V-25TN48C	TQFP-48	3.3	2.5	48	64	11.70	10.63	9.75
842-LC4064V-5TN44C	LC4064V-5TN44C	TQFP-44	3.3	2.5	352	64	8.1	7.36	6.75
842-LC4064V-5TN48C	LC4064V-5TN48C	TQFP-48	3.3	5.0	48	64	8.50	7.72	7.08
842-4064V75TN100C	LC4064V-75TN100C	TQFP-100	3.3	7.5	100	64	3.50	3.15	3.06
842-LC4064V75TN44C	LC4064V-75TN44C	TQFP-44	3.3	7.5	44	64	2.93	2.65	2.56
842-LC4064V75TN48C	LC4064V-75TN48C	TQFP-48	3.3	7.5	48	64	3.22	2.90	2.81
842-4064ZC75TN48C	LC4064ZC-75TN48C	TQFP-48	1.8	7.5	48	64	3.90	3.54	3.25
842-LC4064ZE-4TN48C	LC4064ZE-4TN48C	TQFP-48	1.8	4.0	48	64	4.06	3.69	3.38
842-LC4064ZE-7MN64I	LC4064ZE-7MN64I	TQFP-64	1.8	7.0	64	64	3.00	2.70	2.62
842-LC4064ZE-7TN100	LC4064ZE-7TN100C	TQFP-100	1.8	7.0	100	64	4.20	3.81	3.50
842-LC4064ZE-7TN48C	LC4064ZE-7TN48C	TQFP-48	1.8	7.0	48	64	2.47	2.40	2.33
842-LC4064ZE-7TN48I	LC4064ZE-7TN48I	TQFP-48	1.8	7.5	32	64	3.68	3.34	3.06
842-4128V10TN144I	LC4128V-10TN144I	TQFP-144	3.3	10.0	144	128	10.43	9.35	9.12
842-4128V27TN128C	LC4128V-27TN128C	TQFP-128	3.3	2.7	128	128	34.20	31.09	28.50
842-LC4128V5TN100C	LC4128V-5TN100C	TQFP-100	3.3	5.0	100	128	23.80	21.63	19.83
842-4128V75TN100C	LC4128V-75TN100C	TQFP-100	3.3	7.5	100	128	9.79	8.80	8.56
842-4128V75TN100I	LC4128V-75TN100I	TQFP-100	3.3	7.5	100	128	23.80	21.63	19.83
842-4128V75TN128C	LC4128V-75TN128C	TQFP-128	3.3	7.5	128	128	14.50	13.18	12.08
842-4128V75TN144C	LC4128V-75TN144C	TQFP-144	3.3	7.5	144	128	10.43	9.35	9.12
842-4128ZC42TN100C	LC4128ZC-42TN100C	TQFP-100	1.8	4.2	100	128	23.00	20.90	19.16
842-LC4128ZE-7TN144I	LC4128ZE-7TN144I	TQFP-144	1.8	7.0	144	128	7.19	6.45	6.28
842-4128C75TN100C	LC4128C-75TN100C	TQFP-100	1.8	2.7	64	128	13.70	12.45	11.41
842-4128V10TN100I	LC4128V-10TN100I	TQFP-100	3.3	2.7	64	128	9.79	8.80	8.56
842-LC4128V5TN128C	LC4128V-5TN128C	TQFP-128	3.3	2.7	92	128	24.70	22.45	20.58
842-4128ZC75MN132C	LC4128ZC-75MN132C	CSBGA-132	1.8	4.2	680	128	11.30	10.27	9.41
842-LC4256V3TN100C	LC4256V-3TN100C	TQFP-100	3.3	3	388	256	55.00	50.00	45.83
842-LC4256V3TN144C	LC4256V-3TN144C	TQFP-144	3.3	3	388	256	55.80	50.72	46.50
842-LC4256V5TN100C	LC4256V-5TN100C	TQFP-100	3.3	3	388	256	39.00	35.45	32.50
842-LC4256V5TN144C	LC4256V-5TN144C	TQFP-144	3.3	3	388	256	39.90	36.27	33.25
842-4256ZC45TN100C	LC4256ZC-45TN100C	TQFP-100	1.8	4.5	48	256	26.80	24.36	22.33
842-4256V10TN100I	LC4256V-10TN100I	TQFP-100	3.3	3	96	256	27.2	24.72	22.66
842-4256V10TN176I	LC4256V-10TN176I	TQFP-176	3.3	10.0	176	256	28.50	25.90	23.75
842-4256V75TN100C	LC4256V-75TN100C	TQFP-100	3.3	7.5	100	256	27.20	24.72	22.66
842-4256V75TN100I	LC4256V-75TN100I	TQFP-100	3.3	7.5	100	256	39.00	35.45	32.50
842-4256V75TN144C	LC4256V-75TN144C	TQFP-144	3.3	7.5	144	256	28.10	25.54	23.41
842-4256V75TN176C	LC4256V-75TN176C	TQFP-176	3.3	7.5	176	256	28.50	25.90	23.75
842-4256V75TN176I	LC4256V-75TN176I	TQFP-176	3.3	3	48	256	40.3	36.63	33.58
842-4256ZC75TN100C	LC4256ZC-75TN100C	TQFP-100	1.8	7.5	100	256	19.10	17.36	15.91
842-4256ZC75TN100E	LC4256ZC-75TN100E	TQFP-100	1.8	7.5	100	256	29.50	26.81	24.58
842-LC4256ZE-7TN100I	LC4256ZE-7TN100I	TQFP-100	1.8	7.0	100	256	13.53	12.15	11.83
842-4384V10TN176I	LC4384V-10TN176I	TQFP-176	3.3	10.0	176	384	55.10	50.09	45.91
842-5512MV75FN256C	LC5512MV-75FN256C	FPBGA-256-176	3.3	4.5	176	512	39.40	35.81	32.83
842-4512V35TN176C	LC4512V-35TN176C	TQFP-176	3.3	3.5	176	512	163.00	148.18	135.83
842-LC4512V5FT256I	LC4512V-5FT256I	fpBGA-256	3.3	5.0	256	512	166.50	151.36	138.75
842-LC4512V75T176	LC4512V-75T176C	TQFP-176	3.3	7.5	176	512	81.60	74.18	68.00
842-4512V75TN176C	LC4512V-75TN176C	TQFP-176	3.3	7.5	176	512	81.60	74.18	68.00
842-5512MV75QN208C	LC5512MV-75QN208C	PQFP-208	3.3	7.5	208	512	38.40	34.90	32.00

PLATFORM MANAGER

The Platform Manager™ product family represents the third-generation of mixed-signal devices available from Lattice. Programmable Platform Manager devices simplify board management design significantly by integrating programmable analog and logic to support many common functions, such as power management, digital housekeeping and glue logic. By integrating these support functions, Platform Manager devices not only reduce the cost of these functions compared to traditional approaches, but also improve system reliability and provide a high degree of design flexibility that minimizes the risk of circuit board re-spins.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lattice Part No.	Package	Voltage (V)	Digital I/Os	Analog Inputs	MOSFET Driver Outputs	Operating Temperature (°C)	Price Each		
								1	25	100
842-1012473TG128I	LPTM10-1247-3TG128I	TQFP-128	3.3	107	12	4	-40 to 100	21.00	18.25	16.77
842-1012473TG128C	LPTM10-1247-3TG128C	TQFP-128	3.3	107	12	4	0 to 85	19.05	16.55	15.25
842-10121073FTG208I	LPTM10-12107-3FTG208I	ftBGA-208	3.3	107	12	4	-40 to 100	28.25	23.81	22.54
842-10121073FTG208C	LPTM10-12107-3FTG208C	ftBGA-208	3.3	107	12	4	0 to 85	25.68	21.64	20.49
Development Kits		Description								
842-LPTM1012107DEV	LPTM1012107DEV	Development kit for LPTM10-12107 ftBGA device						99.00	---	---

POWER MANAGER PACPOWER CPLD DEVICES

The new Power Manager II device ispPAC-POWR607 includes a power-down feature, which is ideal for applications with very low standby power requirements. The device can either be powered down using an external logic signal or by an internally generated signal. Once in the powered down state the device draws less than 10A from the power supply.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lattice Part No.	Package	Voltage (Min/Max) (V)	Programmable Timers	I/O	Voltages Monitored	Macro Cells	Temperature	Price Each		
									1	25	100
842-CPOWR101401TN48I	ispPAC-POWR1014-01TN48I	TQFP-48	3.3	4	4	10	24	-40°C to +85°C	5.43	4.85	4.75
842-POWR122002TN100I	ispPAC-POWR1220AT8-02TN100I	TQFP-100	2.8/3.96	4	4	12	48	-40°C to +85°C	10.85	10.15	9.5
842-POWR605-01SN24I	ispPAC-POWR605-01SN24I	QFN 24-PIN	2.64/3.96	4	4	7	16	-40°C to +85°C	3.06	2.78	2.55
842-POWR1014A01TN48I	ispPAC-POWR1014A-01TN48I	TQFP-48	2.8/3.96	4	4	16	16	-40°C to +85°C	6.00	5.60	5.25
842-POWR1220AT8-01TN	ispPAC-POWR1220AT8-01TN100I	TQFP-100	2.8/3.96	8	4	4	48	-40°C to +85°C	10.85	10.15	9.50
842-ISPPAC-POWR607-0	ISPPAC-POWR607-01SN32I	QFNS-32	2.64/3.96	4	4	7	16	-40°C to +85°C	2.80	2.60	2.43

PROGRAMMABLE LOGIC SOFTWARE

ispLEVER is the complete design environment for the latest Lattice programmable logic products. It includes a comprehensive set of powerful tools for all design tasks, including project management, IP integration, design planning, place and route, in-system logic analysis, and more.

MOUSER STOCK NO.	Lattice Part No.	Description	Price Each
842-HW-USBN-2A	HW-USBN-2A	ispDownload Cable with USB PC Flywire connection	169.00
842-HW-DLN-3C	HW-DLN-3C	ispDownload Cable with Parallel Flywire connection	74.10