

LATTICE Programmable Logic Devices

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



LATTICE COMPLEX PROGRAMMABLE LOGIC DEVICES (CPLDs)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Lattice Part No.	Package	Voltage (V)	Tpd (ns)	I/O	Macro Cells	Price Each		
							1	25	100
842-LC4032V10TN48I	LC4032V-10TN48I	TQFP-48	3.3	10.0	48	32	2.06	1.84	1.78
842-LC4032V25TN44C	LC4032V-25TN44C	TQFP-44	3.3	2.5	44	32	3.96	3.53	3.41
842-LC4032V-5TN48C	LC4032V-5TN48C	TQFP-48	3.3	5.0	48	32	3.22	2.87	2.77
842-LC4032V-5TN48I	LC4032V-5TN48I	TQFP-48	3.3	5.0	48	32	4.37	3.90	3.76
842-LC4032V75TN44C	LC4032V-75TN44C	TQFP-44	3.3	7.5	44	32	1.65	1.47	1.42
842-LC4032V75TN48C	LC4032V-75TN48C	TQFP-48	3.3	7.5	48	32	2.06	1.84	1.78
842-LC4032ZE-7MN64I	LC4032ZE-7MN64I	TQFP-64	1.8	7.0	64	32	1.73	1.54	1.48
842-LC4032ZE-7TN48C	LC4032ZE-7TN48C	TQFP-48	1.8	7.0	48	32	1.39	1.23	1.18
842-4064C10TN100I	LC4064C-10TN100I	TQFP-100	1.8	10.0	100	64	4.04	3.60	3.48
842-4064V10TN100I	LC4064V-10TN100I	TQFP-100	3.3	10.0	100	64	4.04	3.60	3.48
842-LC4064V10TN48I	LC4064V-10TN48I	TQFP-48	3.3	10.0	48	64	3.71	3.31	3.20
842-LC4064V25TN48C	LC4064V-25TN48C	TQFP-48	3.3	2.5	48	64	9.65	8.60	8.31
842-LC4064V-5TN48C	LC4064V-5TN48C	TQFP-48	3.3	5.0	48	64	7.01	6.25	6.04
842-4064V75TN100C	LC4064V-75TN100C	TQFP-100	3.3	7.5	100	64	4.04	3.60	3.48
842-LC4064V75TN44C	LC4064V-75TN44C	TQFP-44	3.3	7.5	44	64	3.38	3.01	2.91
842-LC4064V75TN48C	LC4064V-75TN48C	TQFP-48	3.3	7.5	48	64	3.71	3.31	3.20
842-4064ZC75TN48C	LC4064ZC-75TN48C	TQFP-48	1.8	7.5	48	64	3.22	2.87	2.77
842-LC4064ZE-4TN48C	LC4064ZE-4TN48C	TQFP-48	1.8	4.0	48	64	3.35	2.98	2.86
842-LC4064ZE-5TN100	LC4064ZE-5TN100C	TQFP-100	1.8	5.0	100	64	3.84	3.42	3.28
842-LC4064ZE-7MN64I	LC4064ZE-7MN64I	TQFP-64	1.8	7.0	64	64	3.46	3.08	2.96
842-LC4064ZE-7TN100	LC4064ZE-7TN100C	TQFP-100	1.8	7.0	100	64	3.46	3.08	2.95
842-LC4064ZE-7TN48C	LC4064ZE-7TN48C	TQFP-48	1.8	7.0	48	64	2.77	2.46	2.37
842-4128C10TN128I	LC4128C-10TN128I	TQFP-128	1.8	10.0	128	128	11.96	10.66	10.30
842-4128V10TN144I	LC4128V-10TN144I	TQFP-144	3.3	10.0	144	128	12.05	10.73	10.37
842-4128V27TN100C	LC4128V-27TN100C	TQFP-100	3.3	2.7	100	128	27.47	24.48	23.64
842-4128V27TN128C	LC4128V-27TN128C	TQFP-128	3.3	2.7	128	128	28.22	25.14	24.28
842-LC4128V5TN100C	LC4128V-5TN100C	TQFP-100	3.3	5.0	100	128	19.64	17.49	16.90
842-4128V75TN100C	LC4128V-75TN100C	TQFP-100	3.3	7.5	100	128	11.30	10.07	9.73
842-4128V75TN100I	LC4128V-75TN100I	TQFP-100	3.3	7.5	100	128	19.64	17.49	16.90
842-4128V75TN128C	LC4128V-75TN128C	TQFP-128	3.3	7.5	128	128	11.96	10.66	10.30
842-4128V75TN144C	LC4128V-75TN144C	TQFP-144	3.3	7.5	144	128	12.05	10.73	10.37
842-4128ZC42TN100C	LC4128ZC-42TN100C	TQFP-100	1.8	4.2	100	128	18.98	16.91	16.33
842-LC4128ZE-7TN144I	LC4128ZE-7TN144I	TQFP-144	1.8	7.0	144	128	8.30	7.39	7.09
842-LC4256C75FT256BI	LC4256C-75FT256BI	fpBGA-256	1.8	7.5	256	256	38.53	34.32	32.92
842-4256V10TN176I	LC4256V-10TN176I	TQFP-176	3.3	10.0	176	256	23.51	20.95	20.24
842-LC4256V3TN144C	LC4256V-3TN144C	TQFP-144	3.3	7.5	144	256	46.04	41.01	39.62
842-4256V75TN100C	LC4256V-75TN100C	TQFP-100	3.3	7.5	100	256	22.44	19.99	19.31
842-4256V75TN100I	LC4256V-75TN100I	TQFP-100	3.3	7.5	100	256	32.18	28.67	27.69
842-4256V75TN144C	LC4256V-75TN144C	TQFP-144	3.3	7.5	144	256	23.18	20.65	19.95
842-4256V75TN176C	LC4256V-75TN176C	TQFP-176	3.3	7.5	176	256	23.51	20.95	20.24
842-4256ZC75TN100C	LC4256ZC-75TN100C	TQFP-100	1.8	7.5	100	256	15.76	14.04	13.56
842-4256ZC75TN100E	LC4256ZC-75TN100E	TQFP-100	1.8	7.5	100	256	24.34	21.68	20.95
842-4256ZC75TN176C	LC4256ZC-75TN176C	TQFP-176	1.8	7.5	176	256	17.41	15.51	14.98
842-LC4256ZE-7TN100I	LC4256ZE-7TN100I	TQFP-100	1.8	7.0	100	256	15.62	13.92	13.35
842-4384V10TN176I	LC4384V-10TN176I	TQFP-176	3.3	10.0	176	384	45.46	40.50	39.12
842-LC4512C75FT256I	LC4512C-75FT256I	TQFP-256	1.8	7.5	256	512	98.18	87.47	83.90
842-4512V35TN176C	LC4512V-35TN176C	TQFP-176	3.3	3.5	176	512	134.48	119.81	115.73
842-LC4512V5FT256I	LC4512V-5FT256I	fpBGA-256	3.3	5.0	256	512	137.36	122.38	117.38
842-LC4512V75T176	LC4512V-75T176C	TQFP-176	3.3	7.5	176	512	67.32	59.98	57.94
842-4512V75TN176C	LC4512V-75TN176C	TQFP-176	3.3	7.5	176	512	67.32	59.98	57.94
842-5512MV45QN208C	LC5512MV-45QN208C	PQFP-208	3.3	4.5	176	512	35.06	31.24	30.18
842-5512MV75QN208C	LC5512MV-75QN208C	PQFP-208	3.3	7.5	208	512	31.76	28.30	27.34

LATTICE POWER MANAGER PACPOWER CPLD DEVICES

The new Power Manager II device ispPAC-POWER607 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.



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								1	25	100
842-POWER605-01SN24I	ispPAC-POWER605-01SN24I	QFN 24-PIN	6	4	7	16	-40 C to +85 C	3.05	2.75	2.29
842-POWER1014A01TN48I	ispPAC-POWER1014A-01TN48I	TQFP-48	5	4	4	16	-40 C to +85 C	6.93	6.17	5.96
842-POWER120801TN44I	ispPAC-POWER1208-01TN44I	TQFP-44	5	4	4	16	-40 C to +85 C	10.81	9.63	9.30
842-P1208P101TN44I	ispPAC-POWER1208P1-01TN44I	TQFP-44	5	4	4	16	-40 C to +85 C	15.18	13.52	13.06
842-POWER1220AT8-01TN	ispPAC-POWER1220AT8-01TN100I	TQFP-100	12	8	4	48	-40 C to +85 C	12.54	11.17	10.79
842-ISPPAC-POWER607-0	ISPPAC-POWER607-01SN32I	QFNS-32	6	4	7	16	-40 C to +85 C	3.22	2.87	2.75

LATTICE HIGH DENSITY PROGRAMMABLE LOGIC

The ispLSI 1032E is a High Density Programmable Logic Device containing 192 Registers, 64 Universal I/O pins, eight Dedicated Input pins, four Dedicated Clock Input pins and a Global Routing Pool (GRP).

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MOUSER STOCK NO.	Lattice Part No.	Package	Speed (fmax) (MHz)	Tpd (ns)	Power	Grade	Price Each		
							1	25	100
842-ISPLSI101680LJ	ispLSI 1016-80LJ	PLCC 44	80	15	Low	Commercial	7.34	6.54	6.32

