



Configuration PROMs (Continued)

XC1700E and XC1700L Series Compatible PROMs (Continued)

Device	XC1700E	XC1700L	XC1700L	XC1700L	XC1700L	XC1700L	XC1700L	XC1700L	XC1700L
Configuration Bits	559,200	781,216	1,040,096	1,335,840	1,751,808	2,546,048	3,607,968	4,715,616	6,127,744
Compatible PROM	XC1701L	XC1701L	XC1702L	XC1702L	XC1704L	XC1704L	XC1704L	XC1704L+02L	XC1704L+02L

Virtex-E FPGA and Compatible PROMs

Device	XC1700E	XC1700E	XC1700E	XC1700E	XC1700E	XC1700E	XC1700E	XC1700E	XC1700E	XC1700E	XC1700E	XC1700E
Configuration Bits	630,048	863,840	1,442,106	1,875,648	2,693,440	3,340,400	3,961,632	6,519,648	6,587,520	8,308,992	10,159,648	12,922,336
Compatible PROM	XC1701L	XC1701L	XC1702L	XC1702L	XC1704L	XC1704L	XC1704L	XC1704L(2)	XC1704L(2)	XC1704L(2)	XC1704L(3)	XC1704L(4)

XC17S00 (5V) Spartan Family of One-Time Programmable Configuration PROMs

Device Mfr.'s Type	XC17S05	XC17S10	XC17S20	XC17S30	XC17S40
Configuration Bits	53,984	95,008	178,144	247,968	329,312

Spartan FPGA

	XC17S05	XC17S10	XC17S20	XC17S30	XC17S40
Mfr.'s Type	XC17S05PD8C	XC17S10PD8C	XC17S20PD8C	XC17S30PD8C	XC17S40PD8C
Ordering Information	XC17S05V08C	XC17S10V08C	XC17S20V08C	XC17S30V08C	XC17S40S020C
	XC17S05PD8I	XC17S10PD8I	XC17S20PD8I	XC17S30PD8I	XC17S40PD8I
	XC17S05V08I	XC17S10V08I	XC17S20V08I	XC17S30V08I	XC17S40S020I

XC17S00XL (3.3V) Spartan-XL Family of One-Time Programmable Configuration PROMs

Device Mfr.'s Type	XC17S05XL	XC17S10XL	XC17S20XL	XC17S30XL	XC17S40XL	XC17S50XL	XC17S100XL	XC17S150XL
Configuration Bits	54,544	95,752	179,160	249,168	330,696	559,232	781,248	1,040,128

Spartan-XL FPGA

	XC17S05XL	XC17S10XL	XC17S20XL	XC17S30XL	XC17S40XL	XC17S50XL	XC17S100XL	XC17S150XL
Mfr.'s Type	XC17S05XLPD8C	XC17S10XLPD8C	XC17S20XLPD8C	XC17S30XLPD8C	XC17S40XLPD8C	XC17S50XLPD8C	XC17S100XLPD8C	XC17S150XLPD8C
Ordering Information	XC17S05XLV08C	XC17S10XLV08C	XC17S20XLV08C	XC17S30XLV08C	XC17S40XLV08C	XC17S50XLV08C	XC17S100XLV08C	XC17S150XLV08C
	XC17S05XLPD8I	XC17S10XLPD8I	XC17S20XLPD8I	XC17S30XLPD8I	XC17S40XLPD8I	XC17S50XLPD8I	XC17S100XLPD8I	XC17S150XLPD8I
	XC17S05XLV08I	XC17S10XLV08I	XC17S20XLV08I	XC17S30XLV08I	XC17S40XLV08I	XC17S50XLV08I	XC17S100XLV08I	XC17S150XLV08I

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XC17S00A (3.3V) Spartan-II Family of One-Time Programmable Configuration PROMs

Device Mfr.'s Type	XC17S15A	XC17S30A	XC17S50A	XC17S100A	XC17S150A	XC17S200A
Configuration Bits	197,696	336,768	559,200	781,216	1,040,096	1,335,840

Spartan-II FPGA

	XC17S15	XC17S30	XC17S50	XC17S100	XC17S150	XC17S200
Mfr.'s Type	XC17S15APD8C	XC17S30APD8C	XC17S50APD8C	XC17S100APD8C	XC17S150APD8C	XC17S200APD8C
Ordering Information	XC17S15AV08C	XC17S30AV08C	XC17S50AV08C	XC17S100AV08C	XC17S150AV08C	XC17S200AV08C
	XC17S15AS020C	XC17S30AS020C	XC17S50AS020C	XC17S100AS020C	XC17S150AS020C	XC17S200AVQ44C
	XC17S15APD8I	XC17S30APD8I	XC17S50APD8I	XC17S100APD8I	XC17S150APD8I	XC17S200APD8I
	XC17S15AV08I	XC17S30AV08I	XC17S50AV08I	XC17S100AV08I	XC17S150AV08I	XC17S200AV08I
	XC17S15AS020I	XC17S30AS020I	XC17S50AS020I	XC17S100AS020I	XC17S150AS020I	XC17S200AVQ44I

XC4000EX/XL/XLA/XV FPGAs

XC4000EX/XL/XLA/XV Product Selection Matrix

Features (Density Leadership/High Performance SelectRAM™ Memory)	XC4005XL	XC4010XL	XC4013XLA	XC4020XLA	XC4028EX/XLA	XC4036EX/XLA	XC4044XLA	XC4052XLA	XC4062XLA	XC4085XLA	XC40110XV	XC40150XV	XC40200XV	XC40250XV
PCI Compliant	—	—	✓	✓	—	—	✓	✓	✓	✓	—	—	—	—
3.3 Volt	—	—	✓	✓	—	—	✓	✓	✓	✓	—	—	—	—
Logic Cells	466	950	1368	1862	2432	3078	3800	4598	5472	7488	9728	12312	16758	20102
Max. Logic Gates	5 K	10 K	13 K	20 K	28 K	36 K	44 K	52 K	62 K	85 K	110 K	150 K	200 K	250 K
Typ. Gate Range	3 K-9 K	7 K-20 K	10 K-30 K	13 K-40 K	18 K-50 K	22 K-65 K	27 K-80 K	33 K-100 K	40 K-130 K	55 K-180 K	75 K-200 K	100 K-300 K	130 K-400 K	160 K-500 K
Max. RAM Bits	6 K	13 K	18 K	25 K	33 K	41 K	51 K	62 K	74 K	100 K	131 K	166 K	226 K	271 K
Flip-Flops	616	1120	1536	2016	2560	3168	3840	4576	5376	7168	8704	11520	15456	18400
Max. I/O	112	160	192	224	256	288	320	352	384	448	448	448	448	448
Output Drive (mA)	12	12	12	12	12	12	12	12	12	12	12	12	12	1