



Configuration PROMs (Continued)

XC1700E and XC1700L Series Compatible PROMs (Continued)

Device	XCV50	XCV100	XCV150	XCV200	XCV300	XCV400	XCV600	XCV800	XCV1000
Configuration Bits Compatible PROM	559,200 XC1701L	781,216 XC1701L	1,040,096 XC1702L	1,335,840 XC1702L	1,751,808 XC1704L	2,546,048 XC1704L	3,607,968 XC1704L	4,715,616 XC1704L+02L	6,127,744 XC1704L+02L

Virtex-E FPGA and Compatible PROMs

Device	XCV50E	XCV100E	XCV200E	XCV300E	XCV400E	XCV405E	XCV600E	XCV812E	XCV1000E	XCV1600	XCV2000E	XCV2600E	XCV3200E
Configuration Bits Compatible PROM	630,048 XC1701L	863,840 XC1701L	1,442,106 XC1702L	1,875,648 XC1702L	2,693,440 XC1704L	3,340,400 XC1704L	3,961,632 XC1704L	6,519,648 XC1704L(2)	6,587,520 XC1704L(2)	8,308,992 XC1704L(2)	10,159,648 XC1704L(3)	12,922,336 XC1704L(4)	16,283,712 XC1704L(42)

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

	XCS05	XCS10	XC220	XCS30	XCS40
Mfr.'s Type Ordering Information	XC17S05PD8C XC17S05V08C XC17S05PD8I XC17S05V08I	XC17S10PD8C XC17S10V08C XC17S10PD8I XC17S10V08I	XC17S20PD8C XC17S20V08C XC17S20PD8I XC17S20V08I	XC17S30PD8C XC17S30V08C XC17S30PD8I XC17S30V08I	XC17S40PD8C XC17S40S020C XC17S40PD8I 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

	XCS05XL	XCS10XL	XCS20XL	XCS30XL	XCS40XL	XCS50XL	XCS100XL	XCS150XL
Mfr.'s Type Ordering Information	XC17S05XLPD8C XC17S05XLV08C XC17S05XLPD8I XC17S05XLV08I	XC17S10XLPD8C XC17S10XLV08C XC17S10XLPD8I XC17S10XLV08I	XC17S20XLPD8C XC17S20XLV08C XC17S20XLPD8I XC17S20XLV08I	XC17S30XLPD8C XC17S30XLV08C XC17S30XLPD8I XC17S30XLV08I	XC17S40XLPD8C XC17S40XLS020C XC17S40XLPD8I XC17S40XLS020I	XC17S50XLPD8C XC17S50XLS020C XC17S50XLPD8I XC17S50XLS020I	XC17S100XLPD8C XC17S100XLS020C XC17S100XLPD8I XC17S100XLS020I	XC17S150XLPD8C XC17S150XLS020C XC17S150XLPD8I XC17S150XLS020I

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

	XC2S15	XC2S30	XC2S50	XC2S100	XC2S150	XC2S200
Mfr.'s Type Ordering Information	XC17S15APD8C XC17S15AV08C XC17S15AS020C XC17S15APD8I XC17S15AV08I XC17S15AS020I	XC17S30APD8C XC17S30AV08C XC17S30AS020C XC17S30APD8I XC17S30AV08I XC17S30AS020I	XC17S50APD8C XC17S50AV08C XC17S50AS020C XC17S50APD8I XC17S50AV08I XC17S50AS020I	XC17S100APD8C XC17S100AV08C XC17S100AS020C XC17S100APD8I XC17S100AV08I XC17S100AS020I	XC17S150APD8C XC17S150AV08C XC17S150AS020C XC17S150APD8I XC17S150AV08I XC17S150AS020I	XC17S200APD8C XC17S200AV08C XC17S200AVQ44C XC17S200APD8I XC17S200AV08I 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