

Spartan™, Spartan-XL and Spartan-II FPGAs (Continued)

Spartan/XL Family (Continued)
FPGA Package Options and User I/O
PLCC

IOBs	XCS05 77	XCS10 112	XCS20 160	XCS30 192	XCS40 205	XCS05XL 77	XCS10XL 112	XCS20XL 160	XCS30XL 192	XCS40XL 224
84	61	61	—	—	—	61	61	—	—	—
VQFP										
100	77	77	77	77	—	77	77	77	77	—
TQFP										
144	—	112	113	113	—	—	112	113	113	—
PQFP										
208 240	— —	— —	160 —	169 192	169 192	— —	— —	160 —	169 192	169 192
BGA										
256	—	—	—	192	205	—	—	—	192	205
CSP										
144 280	— —	— —	— —	— —	— —	— —	112 —	113 —	— 192	— 224

Spartan-II Family
FPGA Package Options and User I/O
VQFP

IOBs	XC2S15 86	XC2S30 132	XC2S50 176	XC2S100 196	XC2S150 260	XC2S200 284
100	60	60	—	—	—	—
TQFP						
144	86	92	92	92	—	—
PQFP						
208	—	132	140	140	140	140
Fine Pitch BGA						
256 456	— —	— —	176 —	176 196	176 260	176 284
CSP						
144	86	92	—	—	—	—

Configuration PROMs

XC17V00 Series (3.3 V)

Device Mfr.'s Type Configuration Bits (Density)	XC17V16 16 Mb	XC17V08 8 Mb	XC17V04 4 Mb	XC17V02 2 Mb	XC17V01 1 Mb
Mfr.'s Type Ordering Information	XC17V16VQ44C XC17V16PC44C XC17V16VQ44I XC17V16PC44I —	XC17V08VQ44C XC17V08PC44C XC17V08VQ44I XC17V08PC44I —	XC17V04PC20C XC17V04PC44C XC17V04VQ44C XC17V04PC20I XC17V04PC44I XC17V04VQ44I	XC17V02PC20C XC17V02PC44C XC17V02VQ44C XC17V02PC20I XC17V02PC44I XC17V02VQ44I	XC17V01PC20C XC17V01VQ8C XC17V01SQ20C XC17V01PC20I XC17V01VQ8I XC17V01SQ20I

Virtex FPGA and Compatible PROMs

Device	XCv50	XCv100	XCv150	XCv200	XCv300	XCv400	XCv600	XCv800	XCv1000
Configuration Bits Compatible PROM	559,200 XC17V01	781,216 XC17V01	1,040,096 XC17V01	1,335,840 XC17V01	1,751,808 XC17V02	2,546,048 XC17V04	3,607,968 XC17V04	4,715,616 XC17V08	6,127,744 XC17V08

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 XC17V01	863,840 XC17V01	1,442,106 XC17V01	1,875,648 XC17V02	2,693,440 XC17V04	3,340,400 XC17V04	3,961,632 XC17V04	6,519,648 XC17V08	6,587,520 XC17V08	8,308,992 XC17V08	10,159,648 XC17V16	12,922,336 XC17V16	16,283,712 XC17V16

XC1700E and XC1700L Series Compatible PROMs

Device Mfr.'s Type Configuration Bits	XC1736E 36,288	XC1765E/EL 65,536	XC17128E/EL 131,072	XC17256E/EL 262,144	XC17512L 524,288	XC1701/L 1,048,576	XC1702L 2,097,152	XC1704L 4,194,304
Mfr.'s Type Ordering Information	XC1736EPD8C XC1736ES08C XC1736EV08C XC1736EPC20C XC1736EPD8I XC1736ES08I XC1736EV08I XC1736EPC20I — — — — — — — —	XC1765EPD8C XC1765ES08C XC1765EV08C XC1765EPC20C XC1765EPD8I XC1765ES08I XC1765EV08I XC1765EPC20I XC1765ELPD8C XC1765ELSO8C XC1765ELV08C XC1765ELPC20C XC1765ELPD8I XC1765ELSO8I XC1765ELV08I XC1765ELPC20I	XC17128EPD8C XC17128EV08C XC17128EPC20C XC17128EPD8I XC17128EV08I XC17128EPC20I XC17128ELPD8C XC17128ELV08C XC17128ELPC20C XC17128ELPD8I XC17128ELV08I XC17128ELPC20I — — — —	XC17256EPD8C XC17256EV08C XC17256EPC20C XC17256EPD8I XC17256EV08I XC17256EPC20I XC17256ELPD8C XC17256ELV08C XC17256ELPC20C XC17256ELPD8I XC17256ELV08I XC17256ELPC20I — — — —	XC17512LPD8C XC17512LPC20C XC17512LS020C XC17512LPD8I XC17512LPC20I XC17512LS020I — — — — — — — —	XC1701PD8C XC1701PC20C XC1701SQ20C XC1701PD8I XC1701PC20I XC1701SQ20I XC1701LPD8C XC1701LPC20C XC1701LS020C XC1701LPD8I XC1701LPC20I XC1701LS020I — — — —	XC1702LVQ44C XC1702LPC44C XC1702LVQ44I XC1702LPC44I — — — — — — — — — — — —	XC1704LVQ44C XC1704LPC44C XC1704LVQ44I XC1704LPC44I — — — — — — — — — — — —