XC18V   F P G A   C o n f i g u r a t i o n s

XC17V   PROM

XC17S

Xilinx offers a full range of configuration memory devices optimized for use with Xilinx FPGAs. Our PROM product lines are designed to meet the same stringent demands as our high-performance FPGAs, taking full advantage of the same advanced processing technologies. In addition, they were developed in close cooperation with Xilinx FPGA designers for optimal performance and reliability.

XC18V00 – Our in-system reprogrammable family provides a feature-rich, fast configuration solution available today, and provides a cost-effective method for reprogramming and storing large Xilinx FPGA bitstreams. This family is JTAG ready and boundry-scan enabled for exceptional ease-of-use, system integration, and flexibility.

XC17V00/XC17S00 – Our low cost XC17V and XC17S families are an ideal configuration solution for cost-sensitive applications. XC17V PROMs are pin-compatible with our XC18V family to allow for a cost-reduction migration path as your production volumes increase. The XC17S family is specially designed to provide a low cost, integrated solution for our Spartan families of FPGAs.

Configuration PROMs for Virtex-E/Virtex-EM								
Device	Configuration Bits	XC17xx Solution	XC18Vxx Solution	8-pin TSOP	20-pin PLCC	20-pin SOIC	44-pin PLCC	44-pin VQFP
XCV50E	630,048	17V01	18V01	X*	X	X	–	X**
XCV100E	863,840	17V01	18V01	X*	X	X	–	X**
XCV200E	1,442,106	17V02	18V02	X*	X*	X*	X**	X**
XCV300E	1,875,648	17V02	18V02	–	X*	–	X	X
XCV400E	2,693,440	17V04	18V04	–	X*	–	X	X
XCV405E	3,430,400	17V04	18V04	–	X*	–	X	X
XCV600E	3,961,632	17V04	18V04	–	X*	–	X	X
XCV812E	6,519,648	17V08	2 of 18V04	–	–	–	X	X
XCV1000E	6,587,520	17V08	2 of 18V04	–	–	–	X	X
XCV1600E	8,308,992	17V08	2 of 18V04	–	–	–	X	X
XCV2000E	10,159,648	17V16	2 of 18V04	–	–	–	X	X
XCV2600E	12,922,336	17V16	3 of 18V04 + 18V512	–	X***	–	X**	X
XCV3200E	16,283,712	17V16	4 of 18V04	–	–	–	X	X

*   Available in XC17Vxx only.
** Available in XC18Vxx only.
*** Available in XC18V512 only.

Configuration PROMs for Virtex								
Device	Configuration Bits	XC17xx Solution	XC18Vxx Solution	8-pin TSOP	20-pin PLCC	20-pin SOIC	44-pin PLCC	44-pin VQFP
XCV50	559,200	17V01	18V01	X*	X	X	–	X**
XCV100	781,216	17V01	18V01	X*	X	X	–	X**
XCV150	1,041,096	17V01	18V01	X*	X	X	–	X**
XCV200	1,335,840	17V01	18V02	X*	X*	X*	X**	X**
XCV300	1,751,808	17V02	18V02	–	X*	–	X	X
XCV400	2,546,048	17V04	18V04	–	X*	–	X	X
XCV600	3,607,968	17V04	18V04	–	X*	–	X	X
XCV800	4,715,616	17V08	18V04 + 18V512	–	X***	–	X**	X
XCV1000	6,127,744	17V08	18V04 + 18V02	–	–	–	X	X

*   Available in XC17Vxx only.
** Available in XC18Vxx only.
*** Available in XC18V512 only.

Configuration PROMs for Spartan-XL/Spartan-II				
Device	PROM Solution	8-pin PDIP	8-pin VOIC	20-pin SOIC	44-pin VQFP
XCS05XL	XC17S05XL	X	X	–	–
XCS10XL	XC17S10XL	X	X	–	–
XCS20XL	XC17S20XL	X	X	–	–
XCS30XL	XC17S30XL	X	X	–	–
XCS40XL	XC17S40XL	X	X	X	–
XC2S15	XC17S15A	X	X	X	–
XC2S30	XC17S30A	X	X	X	–
XC2S50	XC17S50A	X	X	X	–
XC2S100	XC17S100A	X	X	X	–
XC2S150	XC17S150A	X	X	X	–
XC2S200	XC17S200A	X	X	–	X