

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

#### **Spartan/XL Family (Continued)**

## FPGA Package Options and User I/O PICC

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	—	—	—
<b>VQFP</b>										
100	77	77	77	77	—	77	77	77	77	—
<b>TQFP</b>										
144	—	112	113	113	—	—	112	113	113	—
<b>PQFP</b>										
208 240	—	—	160 —	169 192	169 192	—	—	160 —	169 192	169 192
<b>BGA</b>										
256	—	—	—	192	205	—	—	—	192	205
<b>CSP</b>										
144 280	—	—	—	—	—	—	112 —	113 —	—	224

Spartan-II Family

## FPGA Package Options and User I/O

VUFP

<b>10Bs</b>	<b>XC2S15 86</b>	<b>XC2S30 132</b>	<b>XC2S50 176</b>	<b>XC2S100 196</b>	<b>XC2S150 260</b>	<b>XC2S200 284</b>
100	60	60	—	—	—	—
<b>TQFP</b>						
144	86	92	92	92	—	—
<b>PQFP</b>						
208	—	132	140	140	140	140
<b>Fine Pitch BGA</b>						
256 456	—	—	176	176 196	176 260	176 284
<b>CSP</b>						
144	86	92	—	—	—	—

## **Configuration PROMs**

## XC17V00 Series (3.3 V)

Device Mr./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 — —	XC17V04VPC20C XC17V04PC44C XC17V04VQ44C XC17V04PC20I XC17V04PC44I XC17V04VQ44I	XC17V02VPC20C XC17V02VPC44C XC17V02VQ44C XC17V02VPC20I XC17V02VPC44I XC17V02VQ44I	XC17V01VPC20C XC17V01VPC44C XC17V01VSQ20C XC17V01VPC20I XC17V01VQ8I XC17V01VSQ20I

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#### Virtex EPFA and Compatible PROMs

Virtex FPGA and Compatible PROMs									
Device	XCV50	XCV100	XCV150	XCV200	XCV300	XCV400	XCV600	XCV800	XCV1000
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	XC17V01	XC17V01	XC17V01	XC17V01	XC17V02	XC17V04	XC17V04	XC17V08	XC17V08

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Virtex-E FPGA and Compatible PBROMs

Virtex-11 GX 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**

***Turn To Section 1 For Allied Office Addresses and Local Phone Numbers***

**ALLIED ▶ 861**