7400 Equivalents

	# of CLBs
'138	5
'139	2
'147	5
'148	6
'150	5
'151	3
'152	3
'153	2
'154	16
'157	2
'158	2
'160	5
'161	6
'162	8
'163	8
'164	4
'165s	9
'166	5
'168	7
'174	3
'194	5
'195	3
'280	3
'283	8
'298	2
'352	2
'390	3
'518	3
'521	3

Barrel Shifters

brlshft4	4
brlshft8	13

4-Bit Counters

cd4ce	3
cd4cle	5
cd4rle	6
cb4ce	3
cb4cle	6
cb4re	5

8- and 16-Bit Counters

cb8ce	6
cb8re	10
cc16ce	10
cc16cle	11
cc16cled	21

Identity Comparators

comp4	1
comp8	2
comp16	5

Magnitude Comparators

compm4	4
compm8	9
compm16	20

Decoders

d2-4e	2
d3-8e	4
d4-16e	16

Multiplexers

m2-1e	1
m4-1e	1
m8-1e	3
m16-1e	5

Registers

rd4r	2
rd8r	4
rd16r	8

Shift Registers

sr8ce	4
sr16re	8

RAMs

ram 16x4	2

Explanation of counter nomenclature

cb = binary counter
cd = BCD counter
cc = cascadable binary counter
d = bidirectional
l = loadable
x = cascadable
e = clock enable
r = synchronous reset
c = asynchronous clear

Figure 10. CLB Count of Selected XC4000 Soft Macros