
Module : 'converter_xs3_bcd'

Input files:

ABEL PLA file : converter_xs3_to_bcd.tt3
Device library : P22V10GC.dev

Output files:

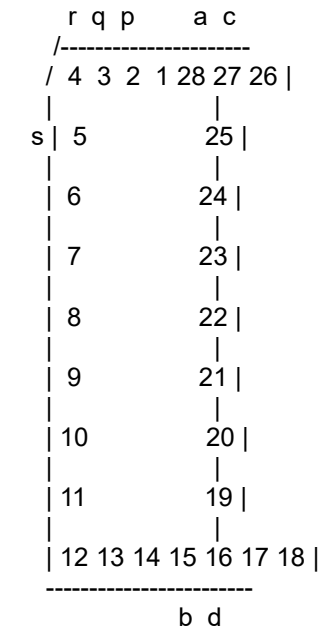
Report file : converter_xs3_to_bcd.rpt
Programmer load file : converter_xs3_to_bcd.jed

P22V10GC Programmed Logic:

```
d    = (  p & !q & r & s
       #   p & q & !r & !s );

c    = (  p & !q & !r
       #   !p & q & r & s
       #   p & !q & !s );

b    = (  !p & q & !r & s
       #   p & !q & !r & s
       #   !p & q & r & !s
       #   p & !q & r & !s );

a    = (  !p & q & !s
       #   p & !q & !s
       #   q & !r & !s );
```


P22V10GC Chip Diagram: (PLCC package)

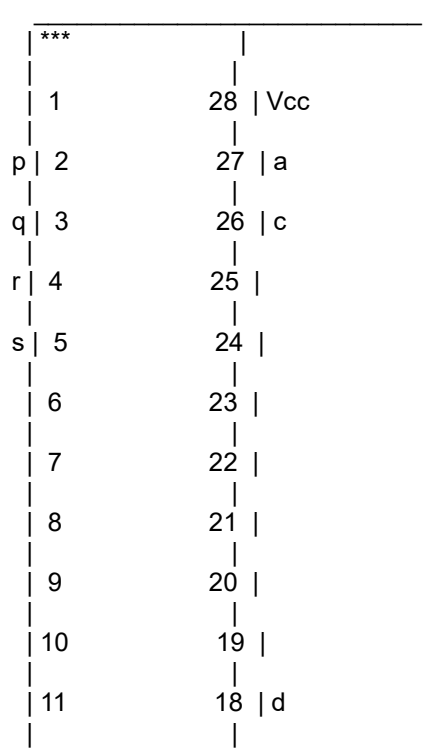
P22V10GC

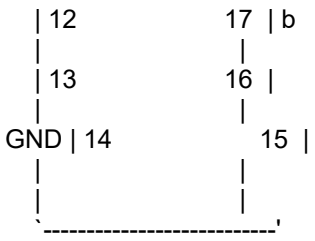


SIGNATURE: N/A

P22V10GC Chip Diagram: (SSOP package)

P22V10GC





SIGNATURE: N/A

P22V10GC Resource Allocations:

Device Resources	Resource Available	Design Requirement	Unused
Input Pins:			
Input:	12	4	8 (66 %)
Output Pins:			
In/Out:	10	4	6 (60 %)
Output:	-	-	-
Buried Nodes:			
Input Reg:	-	-	-
Pin Reg:	10	0	10 (100 %)
Buried Reg:	-	-	-

P22V10GC Product Terms Distribution:

Signal Name	Pin Assigned	Terms Used	Terms Max	Terms Unused
d	18	2	10	8
c	26	3	10	7
b	17	4	8	4
a	27	3	8	5

==== List of Inputs/Feedbacks ====

Signal Name	Pin	Pin Type
p	2	CLK/IN

q | 3 | INPUT
r | 4 | INPUT
s | 5 | INPUT

P22V10GC Unused Resources:

Pin Number	Pin Type	Product Terms	Flip-flop Type
6	INPUT	-	-
7	INPUT	-	-
9	INPUT	-	-
10	INPUT	-	-
11	INPUT	-	-
12	INPUT	-	-
13	INPUT	-	-
16	INPUT	-	-
19	BIDIR	NORMAL 12	D
20	BIDIR	NORMAL 14	D
21	BIDIR	NORMAL 16	D
23	BIDIR	NORMAL 16	D
24	BIDIR	NORMAL 14	D
25	BIDIR	NORMAL 12	D