

## CPU09RAM - GAL Selection Table.

Type	I/O	G1			Programmer
GAL16V8A-15LP	2	RAM_U			1, 2
GAL16V8B-15LP	1	RAM_U			1, 2
GAL16V8D-15LP	1	RAM_U			1, 2
GAL16V8D-25LP	1	RAM_U			1, 2
GAL22V10B-15LP	3	x			1, 2
GAL22V10D-15LP	3	x			1, 2
ATF16V8B-15PC	1	ATF-RAM_U			2, 3, 1
ATF16V8B-25PC	1	ATF-RAM_U			2, 3, 1
ATF22V10B-15PC	1	x			2, 3, 1
ATF22V10C-15PC	5	x			2, 3, 1
PALCE16V8-15PC	1	ATF-RAM_U	< needs Atmel code		2
PALCE16V8-25PC	1	ATF-RAM_U	< needs Atmel code		2
PALCE16V8H-15PC/4	4	ATF-RAM_U	< needs Atmel code		2, 3
PALCE16V8H-25PC	4	ATF-RAM_U	< needs Atmel code		2, 3
PALCE22V10H-15PC	4	x			2
PALCE22V10H-25PC	4	x			2
PALCE22V10Q-25PC	4	x			2

Tested

Any open field means not used/tested

First nr preferred

< RAM\_U code no UNIBUG, vector tests P3a an P3b failed!

<p>I/O: 1 = I/O 50K pull up  2 = I/O No pull up  3 = I/O Active pull up  4 = 100K 50K No pull up  5 = I/O Pin keeper</p>	<p>Programmer:  1 = Xgpro TL866II Plus, software version 12.67  2 = GALEP-4, software Galep32 Version 1.20.4  3 = TOP2013, software Ver. 8.92</p>
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Remarks: I/O type 4 depending on device suffix /4 = 100K, /5 = 50K, otherwise NO pull-up  
I/O type 2,4 and 5 may need a pull-up on floating input pins.  
Some ATF16V8B had errors on the TL866II Plus but not on the GALEP-4.  
Do select the full name in the programmer A, B, C, D, H or Q version !  
Otherwise you will get programming errors !  
TOP2013 also select the correct speed -10, -15 or -25 !