CPU09IOP - GAL Selection Table.

Type	I/O	G1	G2		Programmer
GAL16V8A-15LP	2	IOP_1	x		1, 2
GAL16V8B-15LP	1	IOP_1	x		1, 2
GAL16V8D-15LP	1	IOP_1	x		1, 2
GAL16V8D-25LP	1	IOP_1	x		1, 2
GAL22V10B-15LP	3	x	IOP_2		1, 2
GAL22V10D-15LP	3	x	IOP_2		1, 2
ATF16V8B-15PC	1	ATF-IOP_1	x		2, 3, 1
ATF16V8B-25PC	1	ATF-IOP_1	x		2, 3, 1
ATF22V10B-15PC	1	x	ATF-IOP_2		2, 3, 1
ATF22V10C-15PC	5	x	ATF-IOP_2		2, 3, 1
PALCE16V8-15PC	1	IOP_1	x		2
PALCE16V8-25PC	1	IOP_1	x		2
PALCE16V8H-15PC/4	4	IOP_1	x		2, 3
PALCE16V8H-25PC	4	IOP_1	x		2, 3
PALCE22V10H-15PC/4	4	x	IOP_2		2
PALCE22V10H-25PC/4	4	x			x
PALCE22V10Q-25PC	4	x	IOP_2		2

Tested **Any open field means not used/tested** **First nr prefered**

Also tested a mix ATF / GAL / PALCE and -15 / -25

I/O:		Programmer:
1 =	I/O 50K pull up	1 = Xgpro TL866II Plus, Sw 12.90 - Fw 04.2.132
2 =	I/O No pull up	2 = GALEP-4, Galep32 Version 1.20.4
3 =	I/O Active pull up	3 = TOP2013, Sw Topall 8.92 - Fw 6.30
4 =	100K|50K|No pull up	x = No programmer available
5 =	I/O Pin keeper	

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 !

CdeJ