Tanex-Plus U13/14 EPROM Memory Options

Each of the two 27C512 EPROMs (U13 and U14) fitted on the Tanex Plus board can hold 4 pages of ROM that overlay the Microtan area $C000 - $EFFF.

The User decides which software is held on each page.

All these options show software in their correct operating memory locations. However, it is possible to locate programs that operate from $400 say, on an EPROM page beginning at memory location $C000. Examples: WORD (Text Editor), EPA (Assembler)
In this case the code would need to be transferred to its correct operating memory location before being run.
In a system that has only cassette tape only storage, this would be much quicker and convenient than down-loading the code from tape directly into its operating memory location. In a system that has TANDOS, such programs would be better stored on disk.

Option A is often placed on U13 Page 0 (the Tanex Plus default page) as the system then would be configured to behave the same as an original CPU + TANEX system on power-up.

Options A – D all operate in a cassette tape based system (ie CPU + Tanex-Plus).

Option E requires an HRG board fitted

Option F (Disk based Assembler) requires TANDOS fitted

Option G (Space Invasion Game) can be combined with any other option that has slot E free (ie Options: B,C,D,F,H)

Option H requires a Video 80/82 board fitted

Option J requires a Colour Video Board fitted

Tanex-Plus U13/14 EPROM Memory Options

	Tanex Address	Tanex Slot	Firmware Description	EPROM Address
Option A	C000	J2	BASIC	0000
	CFFF			0FFF
	D000	H2	BASIC	1000
	DFFF			1FFF
	E000	D3	BASIC	2000
	E7FF			27FF
	E800	E2	BASIC (MT) TOOLKIT	2800
	EFFF			2FFF
	F000	Monitor & Xbug		3000
	FFFF			3FFF
Option B	C000	J2	WORD (COLUMBIA)	4000
	CFFF			4FFF
	D000	H2	WORD (COLUMBIA)	5000
	DFFF			5FFF
	E000	D3		6000
	E7FF			67FF
	E800	E2		6800
	EFFF			6FFF
	F000	Monitor & Xbug		7000
	FFFF			7FFF

Tanex-Plus U13/14 EPROM Memory Options

	Tanex Address	Tanex Slot	Firmware Description	EPROM Address
Option C	C000	J2	Fig FORTH v1.2	8000
	CFFF			8FFF
	D000	H2	Fig FORTH v1.2	9000
	DFFF			9FFF
	E000	D3		A000
	E7FF			A7FF
	E800	E2		A800
	EFFF			AFFF
	F000	Monitor & Xbug		B000
	FFFF			BFFF
Option D	C000	J2	ASSEMBLER v1.2	C000
	CFFF			CFFF
	D000	H2		D000
	DFFF			DFFF
	E000	D3		E000
	E7FF			E7FF
	E800	E2		E800
	EFFF			EFFF
	F000	Monitor & Xbug		F000
	FFFF			FFFF

Tanex-Plus U13/14 EPROM Memory Options

	Tanex		Firmware	EPROM
	Address	Slot	Description	Address
Option E	C000	J2	BASIC	0000
	CFFF			0FFF
	D000	H2	BASIC	1000
	DFFF			1FFF
	E000	D3	BASIC	2000
	E7FF			27FF
	E800	E2	HRG TOOLKIT	2800
	EFFF			2FFF
	F000	Monitor & Xbug		3000
	FFFF			3FFF
Option F	C000	J2	DASM v1.0	4000
	CFFF			4FFF
	D000	H2	DASM v1.0	5000
	DFFF			5FFF
	E000	D3		6000
	E7FF			67FF
	E800	E2		6800
	EFFF			6FFF
	F000	Monitor & Xbug		7000
	FFFF			7FFF

Tanex-Plus U13/14 EPROM Memory Options

	Tanex		Firmware	EPROM
	Address	Slot	Description	Address
Option G	C000	J2		8000
	CFFF			8FFF
	D000	H2		9000
	DFFF			9FFF
	E000	D3		A000
	E7FF			A7FF
	E800	E2	SPACE INVASION	A800
	EFFF			AFFF
	F000	Monitor & Xbug		B000
	FFFF			BFFF
Option H	C000	J2	DVWORD	C000
	CFFF			CFFF
	D000	H2	DVWORD	D000
	DFFF			DFFF
	E000	D3		E000
	E7FF			E7FF
	E800	E2		E800
	EFFF			EFFF
	F000	Monitor & Xbug		F000
	FFFF			FFFF

Tanex-Plus U13/14 EPROM Memory Options

	Tanex		Firmware	EPROM
	Address	Slot	Description	Address
Option J	C000	J2	BASIC	0000
	CFFF			0FFF
	D000	H2	BASIC	1000
	DFFF			1FFF
	E000	D3	BASIC modified for CVB	2000
	E7FF			27FF
	E800	E2	BASIC (MT) TOOLKIT	2800
	EFFF			2FFF
	F000	Monitor & Xbug		3000
	FFFF			3FFF
Option K	C000	J2	BASIC	4000
	CFFF			4FFF
	D000	H2	BASIC	5000
	DFFF			5FFF
	E000	D3	BASIC	6000
	E7FF			67FF
	E800	E2	BASIC (Video 80/82) TOOLKIT	6800
	EFFF			6FFF
	F000	Monitor & Xbug		7000
	FFFF			7FFF

Tanex-Plus U13/14 EPROM Memory Options

	Tanex		Firmware	EPROM
	Address	Slot	Description	Address
Option L	C000	J2		8000
	CFFF			8FFF
	D000	H2		9000
	DFFF			9FFF
	E000	D3		A000
	E7FF			A7FF
	E800	E2		A800
	EFFF			AFFF
	F000	Monitor & Xbug		B000
	FFFF			BFFF
Option M	C000	J2		C000
	CFFF			CFFF
	D000	H2		D000
	DFFF			DFFF
	E000	D3		E000
	E7FF			E7FF
	E800	E2		E800
	EFFF			EFFF
	F000	Monitor & Xbug		F000
	FFFF			FFFF