

# STMICROELECTRONICS Programmable System Devices



## STMICROELECTRONICS EASY FLASH PROGRAMMABLE SYSTEM DEVICES (PSD) (CONT.)

### Surface Mount Devices

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Package	Memory Access Time (ns)	Data Bus Width (bits)	Main Flash (bytes)	2nd Flash (bytes)	SRAM (bytes)	PLD Inputs	Input Microcells	Output Microcells	PLD Outputs	8-bit Page Register	JTAG Prog.	GPIO	Operating Voltage (V)	Temperature Range (°C)	Price Each		
Mfr.	Mfr. Part No.																1	100	500
<b>PSD with In-System Programmable Flash System (3 Volt) (8-Bit Data Path)</b>																			
511	PSD813F1VA-15J	PLCC-52	150	8	128K	32K*	2K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	0 to +70	13.19	9.23	8.58
511	PSD813F1VA-15M	PQFP-52	150	8	128K	32K*	2K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	0 to +70	13.19	9.23	8.58
511	PSD813F1VA-15U	TQFP-52	150	8	128K	32K*	2K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	0 to +70	14.23	9.95	9.26
511	PSD813F1VA-20JI	PLCC-52	200	8	128K	32K*	2K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	-40 to +85	14.37	10.05	9.35
511	PSD813F2VA-15J	PLCC-52	150	8	128K	32K	2K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	0 to +70	12.07	8.44	7.85
511	PSD813F2VA-20JI	PLCC-52	200	8	128K	32K	2K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	-40 to +85	13.17	9.21	8.57
511	PSD813F2VA-20MI	TQFP-52	200	8	128K	32K	2K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	-40 to +85	13.17	9.21	8.57
511	PSD813F5VA-15J	PLCC-52	150	8	128K	- - -	- - -	73	24	16	19	Yes	Yes	27	3.0 - 3.6	0 to +70	11.08	9.42	8.31
511	PSD834F2V-15J	PLCC-52	150	8	256K	32K	8K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	0 to +70	15.91	11.13	10.35
511	PSD834F2V-15M	TQFP-52	150	8	256K	32K	8K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	0 to +70	15.91	11.13	10.35
511	PSD834F2V-20JI	PLCC-52	200	8	256K	32K	8K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	-40 to +85	17.33	12.12	11.27
511	PSD834F2V-20MI	TQFP-52	200	8	256K	32K	8K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	-40 to +85	17.33	12.12	11.27
511	PSD854F2V-90J	PLCC-52	90	8	256K	32K	32K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	0 to +70	18.91	13.23	12.30
511	PSD854F2V-90M	TQFP-52	90	8	256K	32K	32K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	0 to +70	18.91	13.23	12.30
511	PSD854F2V-12JI	PLCC-52	120	8	256K	32K	32K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	-40 to +85	23.71	18.56	16.50
511	PSD854F2V-12MI	TQFP-52	120	8	256K	32K	32K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	-40 to +85	23.71	18.56	16.50
<b>PSD with In-System Programmable Flash System (3 Volt) (16-Bit Data Path)</b>																			
511	PSD835G2V-90U	TQFP-80	90	16	512K	32K	8K	82	24	16	24	Yes	Yes	52	3.0 - 3.6	0 to +70	23.35	18.27	16.24
511	PSD835G2V-12UI	TQFP-80	120	16	512K	32K*	8K	82	24	16	24	Yes	Yes	52	3.0 - 3.6	-40 to +85	24.98	19.55	17.38
511	PSD4235G2V-90U	TQFP-80	90	16	512K	32K*	8K	82	24	16	24	Yes	Yes	52	3.0 - 3.6	0 to +70	23.92	18.72	16.64
511	PSD4235G2V-12UI	TQFP-80	120	16	512K	32K	8K	82	24	16	24	Yes	Yes	52	3.0 - 3.6	-40 to +85	26.08	20.41	18.14
511	PSD4256G6V-10UI	TQFP-80	100	16	1024K	64K	32K	82	24	16	24	Yes	Yes	52	2.7 - 3.6	-40 to +85	24.45	22.15	19.25

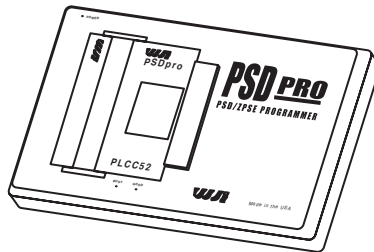
\* These devices feature an EEPROM in place of the 2nd bank of Flash memory

### STMICROELECTRONICS PSDPRO PROGRAMMER

High performance engineering programmer designed to program the entire family of PSD products. It is controlled using PSDsoft development software operating in the IBM-PC compatible MS Windows 95/98 or NT environment. It enables quick programming, greatly accelerating the system design process.

#### Requirements:

- Microsoft Windows 95/98/2000 or NT/XP
- 32MB of RAM
- Hard-drive space: approximately 30MB
- CD-ROM drive



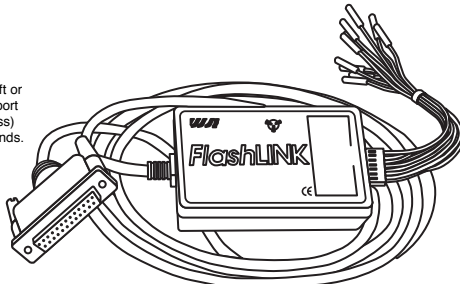
#### Includes:

- Parallel cable
- Power supply adapter
- Family module (small edge connector PC board already installed in the edge connector on top of the PSDPro programmer.
- Adapter sockets must be ordered separately.
- PSDPro programmer

MOUSER STOCK NO.	Description (Power Supply)	Price Each
511-PSDPRO-110	PSD family devices (110V)	446.88
511-PSDPRO-220	PSD family devices (220V)	446.88

### STMICROELECTRONICS FLASHLINK PARALLEL PORT PROGRAMMER

- Attaches to parallel port of a PC running PSDsoft or PSDsoft Express and target system with JTAG port
- With latest software (PSDsoft or PSDsoft Express) can program an entire Flash PSD in 10-20 seconds.
- 100% satisfaction guaranteed



MOUSER STOCK NO.	Description	Price Each
511-FL-101	Stand alone JTAG parallel port programmer	61.36