

# SPC Firmware Private Memory Allocation Rev 24-May-84

Address	Label	Bytes	Description
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## Serial Handler I/O buffers, pointers:

D100	INBUF	32	Serial port default input data buffer
D120	OUTBUF	32	Serial port output data buffer
D140	OUTB1,2	2	serial output byte
D142	TOBUF	2	top of input data buffer pointer
D144	BOBUF	2	bottom of input data buffer pointer
D146	INXTIN	2	next in input buffer character pointer
D148	INXTOUT	2	next out input buffer character pointer
D14A	ONXTIN	1	next in output buffer character pointer
D14B	ONXTOUT	1	next out output buffer character pointer

## Serial Handler Status/Control:

D14C	IOCBX1,2	2	IOCB index, for recognizing calls to R1,R2
D14E	RERROR1,2	2	local parity and input error storage (6.4.3)
D150	IOCTRL1,2	2	control flags: open, R, W, C (5.1.1)
D152	RTRANS1,2	2	translation & parity requests (5.10.1)
D154	RSPRCH1,2	2	suppression character, (see section 5.10.1)
D156	CCFLAGS	1	concurrent I/O flags: (bits) 7 = concurrent I/O active 6 = default or user-supplied buffer (0/1) 0 = which port is concurrent
D157	RSCHAR	1	Untranslated serial character

## Serial Device Driver Status/Control:

D158	LMONF1,2	2	Line monitoring request flags (6.3.1)
D15A	LMONS1,2	2	Line monitoring state flags (6.4.3)

## Printer Device Driver Status/Control:

D15C	PRIFLG	1	Printer Error Flags (6.7.3)
D15D	PRIAX1	1	Save for AUX1 from Write (6.7.3)
D15E	PPCSHD	1	Printer control port shadow (PPCTRL)
D15F	-spare-	17	unused

## SPC Interrupt Vectors

D170	RMAINV	2	Main IRQ save (to catch Break Key)
D172	SERP1V	2	Serial Port 1 Interrupt Vector
D174	SERP2V	2	Serial Port 2 Interrupt Vector
D176	RING1V	2	Serial Port 1 RINGIN Interrupt Vector
D178	RING2V	2	Serial Port 2 RINGIN Interrupt Vector
D17A	PPACKV	2	Parallel Port ACK Interrupt Vector
D17C	PA7V	2	6532 PA7 Interrupt Vector
D17E	TIMERV	2	6532 Timer Interrupt Vector