

SCalcStep

Find the field sizes in the indicated block

#include <Slots.h>

Slot Manager

```

OSErr      SCalcStep(spBlkPtr);
SpBlockPtr spBlkPtr ;    address of 56-byte Slot Parameter Block
                        structure
      returns Error Code; 0=no error

```

SCalcStep calculates the field sizes in the block pointed to by spBlkPtr.
Used only by the Operating System.

spBlkPtr is the address of a 56-byte **Slot Parameter Block** structure.
The relevant fields are as follows:

Out-In	Name	Type	Size	Offset	Description
←	spResult	<u>long</u>	4	0	FUNCTION result
→	spsPointer	<u>Ptr</u>	4	4	Structure pointer
→	spByteLanes	<u>char</u>	1	53	<u>ByteLanes</u> from format block in card ROM
→	spFlags	<u>char</u>	1	54	Internal use only

Returns: an operating system Error Code. It will be one of:

noErr	(0)	No error
smEmptySlot	(-300)	No card in slot.
smCRCFail	(-301)	CRC check failed.
smFormatErr	(-302)	FHeader format is not Apple's
smRevisionErr	(-303)	The revision of the card's declaration ROM is wrong.
smNoDir	(-304)	Directory offset is NIL
smNosInfoArray	(-306)	The SDM could not allocate memory for the sInfo array.
smResrvErr	(-307)	A reserved field of the declaration ROM was used.
smUnExBusErr	(-308)	An unexpected bus error occurred.
smBLFieldBad	(-309)	A valid <u>ByteLanes</u> field was not found.
smDisposePErr	(-312)	An error occurred during execution of DisposPointer.
smNoBoardSRsrc	(-313)	There is no board sResource.
smGetPRErr	(-314)	Error during execution of sGetPRAMRec.
smNoBoardId	(-315)	There is no board ID.
smInitStatVErr	(-316)	The InitStatus_V field was negative after Primary or Secondary Init.
smInitTblVErr	(-317)	Error while trying to initialize the sResource Table.
smNoJmpTbl	(-318)	Slot Manager jump table could not be created
smBadBoardId	(-319)	Board ID was wrong; reinit the PRAM record

Notes: **SCalcStep** is used for stepping through the card firmware one field at a time. If the fConsecBytes flag is set it calculates the step value for consecutive bytes; otherwise it calculates it for consecutive IDs.