

SCalcSPointer

Return pointer to a byte in declaration ROM

#include <Slots.h>

Slot Manager

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

SCalcSPointer returns a pointer to a given byte in a card's declaration ROM, given the pointer to a current byte and an offset (spOffsetData) in bytes. Used only by the Operating System.

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

<u>Out-In</u>	<u>Name</u>	<u>Type</u>	<u>Size</u>	<u>Offset</u>	<u>Description</u>
→	spsPointer	<u>Ptr</u>	4	4	Structure pointer
→	spsOffsetData	<u>long</u>	4	12	Offset/data field
→	spByteLanes	<u>char</u>	1	53	<u>ByteLanes</u> from format block in card ROM

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)	<u>Slot Manager</u> jump table could not be created
smBadBoardId	(-319)	Board ID was wrong; reinit the PRAM record