

APPENDIX E

Default Segment Names

If you use simplified segment directives by themselves, you do not need to know the names assigned for each segment. However, it is possible to mix full segment definitions with simplified segment directives, in which case you need to know the segment names.

Table E.1 shows the default segment names created by each directive.

If you use **.MODEL**, a **_TEXT** segment is always defined, even if all **.CODE** directives specify a name. The default segment name used as part of far-code segment names is the filename of the module. The default name associated with the **.CODE** directive can be overridden, as can the default names for **.FARDATA** and **.FARDATA?**.

The segment and group table at the end of listings always shows the actual segment names. However, the **GROUP** and **ASSUME** statements generated by the **.MODEL** directive are not shown in listing files. For a program that uses all possible segments, group statements equivalent to the following would be generated:

```
DGROUP      GROUP      _DATA, CONST, _BSS, STACK
```

For the tiny model, these **ASSUME** statements would be generated:

```
ASSUME      cs: DGROUP, ds: DGROUP, ss: DGROUP
```

For small and compact models with **NEARSTACK**, these **ASSUME** statements would be generated:

```
ASSUME      cs: _TEXT, ds: DGROUP, ss: DGROUP
```

For medium, large, and huge models with **NEARSTACK**, these **ASSUME** statements would be generated:

```
ASSUME cs: name_TEXT, ds: DGROUP, ss: DGROUP
```

Table E.1 Default Segments and Types for Standard Memory Models

Model	Directive	Name	Align	Combine	Class	Group
Tiny	.CODE	_TEXT	WORD	PUBLIC	'CODE'	DGROUP
	.FARDATA	FAR_DATA	PARA	PRIVATE	'FAR_DATA'	
	.FARDATA?	FAR_BSS	PARA	PRIVATE	'FAR_BSS'	
	.DATA	_DATA	WORD	PUBLIC	'DATA'	DGROUP
	.CONST	CONST	WORD	PUBLIC	'CONST'	DGROUP
	.DATA?	_BSS	WORD	PUBLIC	'BSS'	DGROUP
Small	.CODE	_TEXT	WORD	PUBLIC	'CODE'	
	.FARDATA	FAR_DATA	PARA	PRIVATE	'FAR_DATA'	
	.FARDATA?	FAR_BSS	PARA	PRIVATE	'FAR_BSS'	
	.DATA	_DATA	WORD	PUBLIC	'DATA'	DGROUP
	.CONST	CONST	WORD	PUBLIC	'CONST'	DGROUP
	.DATA?	_BSS	WORD	PUBLIC	'BSS'	DGROUP
	.STACK	STACK	PARA	STACK	'STACK'	DGROUP*
Medium	.CODE	<i>name_TEXT</i>	WORD	PUBLIC	'CODE'	
	.FARDATA	FAR_DATA	PARA	PRIVATE	'FAR_DATA'	
	.FARDATA?	FAR_BSS	PARA	PRIVATE	'FAR_BSS'	
	.DATA	_DATA	WORD	PUBLIC	'DATA'	DGROUP
	.CONST	CONST	WORD	PUBLIC	'CONST'	DGROUP
	.DATA?	_BSS	WORD	PUBLIC	'BSS'	DGROUP
	.STACK	STACK	PARA	STACK	'STACK'	DGROUP*
Compact	.CODE	_TEXT	WORD	PUBLIC	'CODE'	
	.FARDATA	FAR_DATA	PARA	PRIVATE	'FAR_DATA'	
	.FARDATA?	FAR_BSS	PARA	PRIVATE	'FAR_BSS'	
	.DATA	_DATA	WORD	PUBLIC	'DATA'	DGROUP
	.CONST	CONST	WORD	PUBLIC	'CONST'	DGROUP
	.DATA?	_BSS	WORD	PUBLIC	'BSS'	DGROUP
	.STACK	STACK	PARA	STACK	'STACK'	DGROUP*

Table E.1 (continued)

Model	Directive	Name	Align	Combine	Class	Group
Large or huge	.CODE	<i>name_TEXT</i>	WORD	PUBLIC	'CODE'	
	.FARDATA	FAR_DATA	PARA	PRIVATE	'FAR_DATA'	
	.FARDATA?	FAR_BSS	PARA	PRIVATE	'FAR_BSS'	
	.DATA	_DATA	WORD	PUBLIC	'DATA'	DGROUP
	.CONST	CONST	WORD	PUBLIC	'CONST'	DGROUP
	.DATA?	_BSS	WORD	PUBLIC	'BSS'	DGROUP
	.STACK	STACK	PARA	STACK	'STACK'	DGROUP*
Flat	.CODE	_TEXT	DWORD	PUBLIC	'CODE'	
	.FARDATA	_DATA	DWORD	PUBLIC	'DATA'	
	.FARDATA?	_BSS	DWORD	PUBLIC	'BSS'	
	.DATA	_DATA	DWORD	PUBLIC	'DATA'	
	.CONST	CONST	DWORD	PUBLIC	'CONST'	
	.DATA?	_BSS	DWORD	PUBLIC	'BSS'	
	.STACK	STACK	DWORD	PUBLIC	'STACK'	

* unless the stack type is FARSTACK

