



Val  
---  
7FF  
7FF  
7FF  
7FF  
7FF  
7FF  
7FF  
7FF  
7FF  
7FF  
7FF  
7FF  
7FF  
7FF  
7FF

```

LL      BBBB8888  RRRRRRRR  SSSSSSSS  HH      HH  RRRRRRRR
LL      BBBB8888  RRRRRRRR  SSSSSSSS  HH      HH  RRRRRRRR
LL      BB      BB  RR      RR  SS      SS  RR      RR
LL      BB      BB  RR      RR  SS      SS  RR      RR
LL      BB      BB  RR      RR  SS      SS  RR      RR
LL      BBBB8888  RRRRRRRR  SSSSSS    HHHHHHHHHH  RRRRRRRR
LL      BBBB8888  RRRRRRRR  SSSSSS    HHHHHHHHHH  RRRRRRRR
LL      BB      BB  RR  RR      SS      SS  HH      HH  RR  RR
LL      BB      BB  RR  RR      SS      SS  HH      HH  RR  RR
LL      BB      BB  RR      RR  SS      SS  HH      HH  RR  RR
LL      BB      BB  RR      RR  SS      SS  HH      HH  RR  RR
LLLLLLLLLLLL BBBB8888  RR      RR  SSSSSSSS  HH      HH  RR      RR
LLLLLLLLLLLL BBBB8888  RR      RR  SSSSSSSS  HH      HH  RR      RR

```

....  
....  
....  
....

```

MM      MM      AAAAAA  PPPPPPPP
MM      MM      AAAAAA  PPPPPPPP
MMMM  MMMM  AA      AA  PP      PP
MMMM  MMMM  AA      AA  PP      PP
MM  MM  MM  AA      AA  PP      PP
MM  MM  MM  AA      AA  PP      PP
MM      MM  AA      AA  PPPPPPPP
MM      MM  AA      AA  PPPPPPPP
MM      MM  AAAAAAAAAA  PP
MM      MM  AAAAAAAAAA  PP
MM      MM  AA      AA  PP
MM      MM  AA      AA  PP
MM      MM  AA      AA  PP
MM      MM  AA      AA  PP

```

-----  
! Object Module Synopsis !  
-----

Module Name	Ident	Bytes	File	Creation Date	Creator	Vir Sta Ima Ima Ima Num Num Num Num Num Num Ima Map Est
LBR_TRANSFER	V04-000	512	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-SEP-1984 01:47	VAX/VMS Macro V04-00	
CACHE	V04-000	359	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-SEP-1984 01:46	VAX/VMS Macro V04-00	
GETMEM	V04-000	258	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-SEP-1984 01:47	VAX/VMS Macro V04-00	
LBRMSG	0	0	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-SEP-1984 02:09	VAX-11 Message V04-00	
LBR_DATA	V04-000	156	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-Sep-1984 01:47	VAX-11 Bliss-32 V4.0-742	
LBR_GETHELP	V04-000	4053	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-Sep-1984 01:50	VAX-11 Bliss-32 V4.0-742	
LBR_GETPUT	V04-000	4704	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-Sep-1984 01:53	VAX-11 Bliss-32 V4.0-742	
LBR_INDEX	V04-000	4184	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-Sep-1984 01:56	VAX-11 Bliss-32 V4.0-742	
LBR_OLDLIB	V04-000	2267	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-Sep-1984 01:59	VAX-11 Bliss-32 V4.0-742	
LBR_OPENCLOSE	V04-000	3465	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-Sep-1984 02:01	VAX-11 Bliss-32 V4.0-742	
LBR_OUTPUTHELP	V04-000	4298	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-Sep-1984 02:04	VAX-11 Bliss-32 V4.0-742	
LBR_PUTCACHE	V04-000	744	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-Sep-1984 02:06	VAX-11 Bliss-32 V4.0-742	
LBR_SUBS	V04-000	1068	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-Sep-1984 02:07	VAX-11 Bliss-32 V4.0-742	
PAD	V04-000	1024	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-SEP-1984 01:47	VAX/VMS Macro V04-00	
DCXSHR	V04-000	0	-\$255\$DUA28:[DCX.OBJ]DCXSHR.STB;1	16-SEP-1984 04:13	VAX-11 Linker V04-00	
MATCHNAME	V04-000	72	-\$255\$DUA28:[SYSLIB]SYSBLDLIB.OLB;1	16-SEP-1984 02:18	VAX/VMS Macro V04-00	
CALLIMAGE	V04-000	377	-\$255\$DUA28:[SYSLIB]SYSBLDLIB.OLB;1	16-SEP-1984 02:16	VAX/VMS Macro V04-00	
LIB\$CVT_ATB	V04-000	122	-\$255\$DUA28:[SYSLIB]STARLET.OLB;2	16-SEP-1984 02:17	VAX/VMS Macro V04-00	
LIB\$EF	1-006	217	-\$255\$DUA28:[SYSLIB]STARLET.OLB;2	15-SEP-1984 23:59	VAX/VMS Macro V04-00	
LIB\$VM	2-046	676	-\$255\$DUA28:[SYSLIB]STARLET.OLB;2	16-Sep-1984 01:20	VAX-11 Bliss-32 V4.0-742	
LIB\$PUT_OUTPUT	1-006	262	-\$255\$DUA28:[SYSLIB]STARLET.OLB;2	16-Sep-1984 01:08	VAX-11 Bliss-32 V4.0-742	
LIB\$SIGNAL	1-018	220	-\$255\$DUA28:[SYSLIB]STARLET.OLB;2	16-SEP-1984 00:18	VAX/VMS Macro V04-00	
LIB\$MSGDEF	2-018	0	-\$255\$DUA28:[SYSLIB]STARLET.OLB;2	15-SEP-1984 23:43	VAX-11 Message V04-00	
SY\$SSDEF	V04-000	0	-\$255\$DUA28:[SYSLIB]STARLET.OLB;2	16-SEP-1984 01:18	VAX/VMS Macro V04-00	
SY\$SP1_VECTOR	V04-000	0	-\$255\$DUA28:[SYSLIB]STARLET.OLB;2	16-SEP-1984 00:40	VAX/VMS Macro V04-00	
LIB\$ANALYZE_SDESC	1-003	101	-\$255\$DUA28:[SYSLIB]STARLET.OLB;2	15-SEP-1984 23:47	VAX/VMS Macro V04-00	
LIB\$MSGDEF	2-018	0	-\$255\$DUA28:[SYSLIB]STARLET.OLB;2	15-SEP-1984 23:43	VAX-11 Message V04-00	

Per

---

Tot

Usi

Tot

Num

28

A t

LIN

...

...

...

...

...

...

...

...

...

...

...

...

...



-----  
! Program Section Synopsis  
-----

Psect Name	Module Name	Base	End	Length	Align	Attributes				
\$VECTOR_0_LBR	LBR_TRANSFER	00000000	000001FF	00000200 (	512.)	BYTE 0	NOPIC,USR,CON,REL,LCL, SHR, EXE, RD,NOWRT,NOVEC			
		00000000	000001FF	00000200 (	512.)	BYTE 0				
\$GLOBALS	LBR_DATA PAD	00000200	0000049B	0000029C (	668.)	LONG 2	NOPIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC			
		00000200	0000029B	0000009C (	156.)	LONG 2				
		0000029C	0000049B	00000200 (	512.)	BYTE 0				
\$OWNS	GETMEM LBR_OPENCLOSE LBR_OUTPUTHELP	0000049C	0000068B	000001F0 (	496.)	LONG 2	NOPIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC			
		0000049C	000004B3	00000018 (	24.)	BYTE 0				
		000004B4	000004D3	00000020 (	32.)	LONG 2				
		000004D4	0000068B	000001B8 (	440.)	LONG 2				
\$CODE\$	CACHE GETMEM LBR_GETHELP LBR_GETPUT LBR_INDEX LBR_OLDLIB LBR_OPENCLOSE LBR_OUTPUTHELP LBR_PUTCACHE LBR_SUBS PAD	00000800	00006B53	00006354 (	25428.)	LONG 2	NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC			
		00000800	00000966	00000167 (	359.)	BYTE 0				
		00000967	00000A50	000000EA (	234.)	BYTE 0				
		00000A54	00001A28	00000FD5 (	4053.)	LONG 2				
		00001A2C	00002C8B	00001260 (	4704.)	LONG 2				
		00002C8C	00003CE3	00001058 (	4184.)	LONG 2				
		00003CE4	000045BE	000008DB (	2267.)	LONG 2				
		000045C0	00005328	00000D69 (	3433.)	LONG 2				
		0000532C	0000623D	00000F12 (	3858.)	LONG 2				
		00006240	00006527	000002E8 (	744.)	LONG 2				
		00006528	00006953	0000042C (	1068.)	LONG 2				
		00006954	00006B53	00000200 (	512.)	BYTE 0				
		_LIB\$CODE	MATCHNAME CALLIMAGE LIB\$CVT_ATB LIB\$EF LIB\$VM LIB\$PUT_OUTPUT LIB\$SIGNAL LIB\$ANALYZE_SDESC	00006B54	0000730C	000007B9 (		1977.)	LONG 2	NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC
				00006B54	00006B9B	00000048 (		72.)	BYTE 0	
00006B9C	00006D10			00000175 (	373.)	BYTE 0				
00006D14	00006D8D			0000007A (	122.)	LONG 2				
00006D90	00006E60			000000D1 (	209.)	LONG 2				
00006E64	000070C7			00000264 (	612.)	LONG 2				
000070C8	000071CB			00000104 (	260.)	LONG 2				
000071CC	000072A7			000000DC (	220.)	LONG 2				
000072A8	0000730C			00000065 (	101.)	LONG 2				
_LIB\$DATA	CALLIMAGE LIB\$EF LIB\$VM LIB\$PUT_OUTPUT LIB\$ANALYZE_SDESC			00007400	0000744F	00000050 (	80.)	LONG 2	PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC	
		00007400	00007403	00000004 (	4.)	BYTE 0				
		00007404	0000740B	00000008 (	8.)	LONG 2				
		0000740C	0000744B	00000040 (	64.)	LONG 2				
		0000744C	0000744D	00000002 (	2.)	LONG 2				
		00007450	00007450	00000000 (	0.)	LONG 2				

-----  
! Symbol Cross Reference !  
-----

Symbol	Value	Defined By	Referenced By ...
ADD_CACHE	00000800-R	CACHE	LBR_GETPUT LBR_SUBS
ADD_KEY	0000313C-R	LBR_INDEX	LBR_INDEX
ALLOC_BLOCK	00006677-R	LBR_SUBS	LBR_INDEX
CHECK_LOCK	00003CA7-R	LBR_INDEX	LBR_OPENCLOSE
DCX\$ANALYZE_DATA	00000008-R	DCXSHR	LBR_INDEX
DCX\$ANALYZE_DONE	00000018-R	DCXSHR	LBR_INDEX
DCX\$ANALYZE_INIT	00000000-R	DCXSHR	LBR_INDEX
DCX\$COMPRESS_DATA	00000028-R	DCXSHR	LBR_INDEX
DCX\$COMPRESS_DONE	00000030-R	DCXSHR	LBR_INDEX
DCX\$COMPRESS_INIT	00000020-R	DCXSHR	LBR_INDEX
DCX\$C_BOUNDED	00000101	DCXSHR	LBR_INDEX
DCX\$C_EST_BYTES	00000202	DCXSHR	LBR_INDEX
DCX\$C_EST_RECORDS	00000201	DCXSHR	LBR_INDEX
DCX\$C_LIST	00000001	DCXSHR	LBR_INDEX
DCX\$C_ONE_PASS	00000102	DCXSHR	LBR_INDEX
DCX\$EXPAND_DATA	00000040-R	DCXSHR	LBR_INDEX
DCX\$EXPAND_DONE	00000048-R	DCXSHR	LBR_INDEX
DCX\$EXPAND_INIT	00000038-R	DCXSHR	LBR_INDEX
DCX\$MAKE_MAP	00000010-R	DCXSHR	LBR_INDEX
DCX\$_AGAIN	00F68403	DCXSHR	LBR_INDEX
DCX\$_INVARG	00F69002	DCXSHR	LBR_INDEX
DCX\$_INVCTX	00F69012	DCXSHR	LBR_INDEX
DCX\$_INVDATA	00F6900A	DCXSHR	LBR_INDEX
DCX\$_INVMAP	00F69022	DCXSHR	LBR_INDEX
DCX\$_NORMAL	00F68001	DCXSHR	LBR_INDEX
DCX\$_TRUNC	00F68800	DCXSHR	LBR_INDEX
DCXSHR_ADDRESS	00000270-R	LBR_DATA	LBR_INDEX
DCX_ANALYZE_DATA	00000278-R	LBR_DATA	LBR_INDEX
DCX_ANALYZE_DONE	0000027C-R	LBR_DATA	LBR_INDEX
DCX_ANALYZE_INIT	00000274-R	LBR_DATA	LBR_INDEX
DCX_COMPRESS_DATA	00000284-R	LBR_DATA	LBR_INDEX
DCX_COMPRESS_DONE	00000288-R	LBR_DATA	LBR_INDEX
DCX_COMPRESS_INIT	00000280-R	LBR_DATA	LBR_INDEX
DCX_EXPAND_DATA	00000290-R	LBR_DATA	LBR_INDEX
DCX_EXPAND_DONE	00000294-R	LBR_DATA	LBR_INDEX
DCX_EXPAND_INIT	0000028C-R	LBR_DATA	LBR_INDEX
DCX_IT	00004792-R	LBR_OPENCLOSE	LBR_INDEX
DCX_MAKE_MAP	00000298-R	LBR_DATA	LBR_INDEX
DEALLOC_BLOCK	000066DD-R	LBR_SUBS	LBR_INDEX
DEALLOC_CACHE	0000646E-R	LBR_PUTCACHE	LBR_INDEX
DEALLOC_MEM	000065D3-R	LBR_SUBS	LBR_INDEX
DECR_REFCNT	000024F9-R	LBR_GETPUT	LBR_INDEX
DELETE_DATA	00001E3A-R	LBR_GETPUT	LBR_INDEX
DELETE_KEY	00002EDF-R	LBR_INDEX	LBR_INDEX
EMPTY_CACHE	000008EA-R	CACHE	LBR_INDEX
FIND_BLOCK	000065F6-R	LBR_SUBS	LBR_INDEX

Symbol	Value	Defined By	Referenced By ...
FIND_INDEX	0000391B-R	LBR_INDEX	
FIND_KEY	0000369E-R	LBR_INDEX	LBR_GETPUT
FMG\$MATCH_NAME	00006B54-R	MATCHNAME	LBR_GETHELP
GET_MEM	000065D0-R	LBR_SUBS	LBR_GETHELP
GET_ZMEM	000065D6-R	LBR_SUBS	LBR_OLDLIB
INCR_REFCNT	00002451-R	LBR_GETPUT	LBR_OPENCLOSE
INCR_RFA	00006930-R	LBR_SUBS	LBR_INDEX
LBR\$AL_CTLTAB	00000208-R	LBR_DATA	LBR_GETPUT
LBR\$CLOSE	00004EF8-RU	LBR_OPENCLOSE	LBR_INDEX
LBR\$DCX_MAP	00004636-RU	LBR_OPENCLOSE	LBR_SUBS
LBR\$DELETE_DATA	00001DAA-RU	LBR_GETPUT	LBR_TRANSFER
LBR\$DELETE_KEY	00002EA7-RU	LBR_INDEX	LBR_TRANSFER
LBR\$FIND	00001A74-RU	LBR_GETPUT	LBR_OPENCLOSE
LBR\$FLUSH	000064CE-RU	LBR_PUTCACHE	LBR_TRANSFER
LBR\$FREE_VM	000009D6-R	GETMEM	LBR_TRANSFER
LBR\$GET_HEADER	000051DD-RU	LBR_OPENCLOSE	LBR_SUBS
LBR\$GET_HELP	00000B57-RU	LBR_GETHELP	LBR_TRANSFER
LBR\$GET_HISTORY	00002B62-RU	LBR_GETPUT	LBR_TRANSFER
LBR\$GET_INDEX	00002F34-RU	LBR_INDEX	LBR_OPENCLOSE
LBR\$GET_RECORD	00001C77-RU	LBR_GETPUT	LBR_OPENCLOSE
LBR\$GET_VM	00000967-R	GETMEM	LBR_SUBS
LBR\$GL_CONTROL	00000200-RU	LBR_DATA	LBR_GETHELP
LBR\$GL_HICTL	00000248-R	LBR_DATA	LBR_OLDLIB
LBR\$GL_MAXIDXR	0000026C-R	LBR_DATA	LBR_OPENCLOSE
LBR\$GL_MAXREAD	00000268-R	LBR_DATA	LBR_PUTCACHE
LBR\$GL_RMSSTV	00000204-RU	LBR_DATA	LBR_SUBS
LBR\$GT_EOTDESC	0000024C-R	LBR_DATA	LBR_INDEX
LBR\$GT_LBRVER	00000250-R	LBR_DATA	LBR_GETPUT
LBR\$INT_CONTROL	000045C0-RU	LBR_OPENCLOSE	LBR_OPENCLOSE
LBR\$INSERT_KEY	00002D99-RU	LBR_INDEX	LBR_TRANSFER
LBR\$INSERT_TIME	000025A1-RU	LBR_GETPUT	LBR_TRANSFER
LBR\$K_LIBLOCKS	0000000A	LBR_OLDLIB	LBR_TRANSFER
LBR\$LOAD_DCX	000047F8-R	LBR_OPENCLOSE	LBR_GETHELP
LBR\$LOOKUP_KEY	00002CCA-RU	LBR_INDEX	LBR_GETPUT
LBR\$OPEN	00004838-RU	LBR_OPENCLOSE	LBR_TRANSFER
LBR\$OUTPUT_HELP	0000532C-RU	LBR_OUTPUTHELP	LBR_TRANSFER
LBR\$PATCH	00006954-R	PAD	LBR_TRANSFER
LBR\$PUT_END	00001C1D-RU	LBR_GETPUT	LBR_TRANSFER
LBR\$PUT_HISTORY	00002867-RU	LBR_GETPUT	LBR_TRANSFER
LBR\$PUT_RECORD	00001B10-RU	LBR_GETPUT	LBR_TRANSFER
LBR\$REPLACE_KEY	00002E01-RU	LBR_INDEX	LBR_TRANSFER
LBR\$RET_RMSSTV	000052DF-RU	LBR_OPENCLOSE	LBR_TRANSFER
LBR\$SEARCH	00003046-RU	LBR_INDEX	LBR_TRANSFER
LBR\$SET_INDEX	00002C8C-RU	LBR_INDEX	LBR_TRANSFER
LBR\$SET_LOCATE	000052A5-RU	LBR_OPENCLOSE	LBR_TRANSFER
LBR\$SET_MODULE	00002659-RU	LBR_GETPUT	LBR_TRANSFER

Symbol	Value	Defined By	Referenced By ...
LBR\$SET MOVE	000052C2-RU	LBR_OPENCLOSE	LBR_TRANSFER
LBR\$_ALCWRNGBLK	00269002-U	LBRMSG	
LBR\$_BADPARAM	002690C2-U	LBRMSG	LBR_PUTCACHE
LBR\$_DUPKEY	0026900A-U	LBRMSG	LBR_INDEX
LBR\$_EMPTYHIST	0026840B-U	LBRMSG	LBR_GETPUT
LBR\$_ENDTOPIC	00268848-U	LBRMSG	LBR_OUTPUTHELP
LBR\$_ERRCLOSE	00268840-U	LBRMSG	LBR_OPENCLOSE
LBR\$_FACILITY	00000026	LBRMSG	
LBR\$_HDRTRUNC	00268800-U	LBRMSG	LBR_GETPUT
LBR\$_ILLCREOPT	0026901A-U	LBRMSG	LBR_OPENCLOSE
LBR\$_ILLCTL	00269012-U	LBRMSG	LBR_INDEX
LBR\$_ILLFMT	0026902A-U	LBRMSG	LBR_OPENCLOSE
LBR\$_ILLFUNC	00269032-U	LBRMSG	LBR_OPENCLOSE
LBR\$_ILLIDXNUM	00269022-U	LBRMSG	LBR_INDEX
LBR\$_ILLINROU	002690EA-U	LBRMSG	LBR_OUTPUTHELP
LBR\$_ILLOP	0026903A-U	LBRMSG	LBR_GETPUT
LBR\$_ILLOUTROU	002690DA-U	LBRMSG	LBR_OUTPUTHELP
LBR\$_ILLOUTWID	002690E2-U	LBRMSG	
LBR\$_ILLTYP	00269042-U	LBRMSG	LBR_OPENCLOSE
LBR\$_INTRNLERR	002690CA-U	LBRMSG	LBR_GETPUT
LBR\$_INVKEY	0026904A-U	LBRMSG	LBR_INDEX
LBR\$_INVNAM	00269052-U	LBRMSG	LBR_INDEX
LBR\$_INVRFA	0026905A-U	LBRMSG	LBR_INDEX
LBR\$_KEYINDEX	00268009-U	LBRMSG	
LBR\$_KEYINS	00268011-U	LBRMSG	
LBR\$_KEYNOTFND	00269062-U	LBRMSG	LBR_INDEX
LBR\$_LIBNOTOPN	0026906A-U	LBRMSG	LBR_INDEX
LBR\$_LIBOPN	0026907A-U	LBRMSG	LBR_OPENCLOSE
LBR\$_LKPNOTDON	00269072-U	LBRMSG	LBR_GETPUT
LBR\$_NOFILNAM	00269082-U	LBRMSG	LBR_OPENCLOSE
LBR\$_NOHISTORY	00268403-U	LBRMSG	LBR_GETPUT
LBR\$_NOHLPLIBS	00269102	LBRMSG	LBR_OUTPUTHELP
LBR\$_NOHLPTXT	0026908A-U	LBRMSG	
LBR\$_NOMTCHFOU	00268838-U	LBRMSG	LBR_INDEX
LBR\$_NORMAL	00268001-U	LBRMSG	LBR_GETHELP
LBR\$_NOTHLPLIB	00269092-U	LBRMSG	LBR_OPENCLOSE
LBR\$_NOUPDHIST	00268808-U	LBRMSG	LBR_GETHELP
LBR\$_NULIDX	00268810-U	LBRMSG	
LBR\$_OLDLIBRARY	00268019-U	LBRMSG	LBR_INDEX
LBR\$_OLDMISMCH	00268818-U	LBRMSG	LBR_OPENCLOSE
LBR\$_RECLNG	0026909A-U	LBRMSG	LBR_OPENCLOSE
LBR\$_RECTRUNC	00268820-U	LBRMSG	LBR_GETPUT
LBR\$_REFCNTZERO	002690A2-U	LBRMSG	LBR_GETPUT
LBR\$_RFAPASTEOP	002690AA-U	LBRMSG	
LBR\$_STILLKEYS	00268828-U	LBRMSG	LBR_GETPUT
LBR\$_TOOMNYARG	002690F2-U	LBRMSG	LBR_GETPUT
LBR\$_TOOMNYLIB	002690B2-U	LBRMSG	LBR_OUTPUTHELP
LBR\$_TYPMISMCH	00268830-U	LBRMSG	LBR_OPENCLOSE
LBR\$_UPDURTRAV	002690BA-U	LBRMSG	LBR_OPENCLOSE
LBR\$_USRINPERR	002690FA-U	LBRMSG	LBR_INDEX
LBR\$_WRITEERR	002690D2-U	LBRMSG	LBR_OUTPUTHELP
			LBR_PUTCACHE

LBR\_OPENCLOSE LBR\_SUBS

LBR\_INDEX

LBR\_INDEX LBR\_INDEX LBR\_SUBS

LBR\_INDEX LBR\_INDEX LBR\_OLDLIB LBR\_SUBS LBR\_SUBS

LBR\_INDEX LBR\_GETHELP LBR\_OPENCLOSE LBR\_PUTCACHE LBR\_OLDLIB

Vertical column of symbols and asterisks on the right margin.



Symbol	Value	Defined By	Referenced By ...
LBR_DEAL_MEM	00005157-R	LBR_OPENCLOSE	
LBR_OLD_GET_IDX	000043FB-R	LBR_OLDLIB	LBR_INDEX
LBR_OLD_LIB_DAT	00003CE4-R	LBR_OLDLIB	LBR_OPENCLOSE
LBR_OLD_LKP_KEY	00003DA5-R	LBR_OLDLIB	LBR_INDEX
LBR_OLD_SRC_IDX	00004423-R	LBR_OLDLIB	LBR_INDEX
LIB\$SGL_FREVM_C	00007444-R	LIB\$VM	
LIB\$SGL_GETVM_C	00007440-R	LIB\$VM	
LIB\$SGL_VMINUSE	00007448-R	LIB\$VM	
LIB\$ADR_IMAGE	00006B9C-R	CALLIMAGE	LBR_OPENCLOSE
LIB\$ANALYZE_SDESC	000072A8-R	LIB\$ANALYZE_SDESC	
LIB\$ANALYZE_SDESC_R2	000072BD-R	LIB\$ANALYZE_SDESC	LIB\$PUT_OUTPUT
LIB\$CALL_IMAGE	00006BBB-R	CALLIMAGE	
LIB\$CVT_OTB	00006D1D-R	LIB\$CVT_ATB	LBR_GETHELP
LIB\$CVT_HTB	00006D2B-R	LIB\$CVT_ATB	
LIB\$CVT_OTB	00006D24-R	LIB\$CVT_HTB	
LIB\$FREE_EF	00006DCF-R	LIB\$EF	LBR_OPENCLOSE
LIB\$FREE_VM	00006FEE-R	LIB\$VM	CALLIMAGE
LIB\$GET_EF	00006D90-R	LIB\$EF	LBR_OPENCLOSE
LIB\$GET_VM	00006E64-R	LIB\$VM	CALLIMAGE
LIB\$MAP_IMAGE	00006BAC-R	CALLIMAGE	
LIB\$PUT_OUTPUT	000070D4-R	LIB\$PUT_OUTPUT	LBR_GETHELP
LIB\$RESERVE_EF	00006E18-R	LIB\$EF	
LIB\$SIGNAL	000071D2-R	LIB\$SIGNAL	LBR_OPENCLOSE
LIB\$STOP	000071CC-R	LIB\$SIGNAL	LBR_OUTPUTHELP
LIB\$BADBLOADR	00158264	LIB\$MSGDEF	
LIB\$BADBLOSIZ	0015826C	LIB\$MSGDEF	
LIB\$EF_ALRFRE	0015829C	LIB\$MSGDEF	
LIB\$EF_ALRRES	001582A4	LIB\$MSGDEF	
LIB\$EF_RESSYS	001582AC	LIB\$MSGDEF	
LIB\$FATERRLIB	0015820C	LIB\$MSGDEF	
LIB\$INSEF	00158294	LIB\$MSGDEF	
LIB\$INSVIRMEM	00158214	LIB\$MSGDEF	
LIB\$INVSTRDES	00158224	LIB\$MSGDEF	
LOOKUP_CACHE	000008CB-R	CACHE	LIB\$ANALYZE_SDESC LBR_GETPUT LBR_INDEX LBR_PUTCACHE
LOGKUP_KEY	0000354A-R	LBR_INDEX	
MAKE_UPPER_CASE	00006528-R	LBR_SUBS	LBR_GETHELP
MARK_DIRTY	00003CCA-R	LBR_INDEX	LBR_INDEX
MEM\$C_DYNMEM	000004AC-R	GETMEM	LBR_GETPUT
MEM\$M_MAXBLK	0000049C-R	GETMEM	LBR_OPENCLOSE
MEM\$M_MEMEXP	000004A0-R	GETMEM	LBR_OPENCLOSE
MOVETO_UPPER_CASE	000065AC-R	LBR_SUBS	LBR_INDEX
NEWSL_BLK\$	000004A4-R	GETMEM	
READ_BLOCK	000067B5-R	LBR_SUBS	LBR_GETPUT LBR_INDEX LBR_OLDLIB
READ_N_BLOCK	000067F9-R	LBR_SUBS	LBR_GETPUT LBR_INDEX LBR_OLDLIB
READ_OLD_RECORD	000021A4-R	LBR_GETPUT	LBR_INDEX
READ_RECORD	00002052-R	LBR_GETPUT	LBR_INDEX
REMOVE_CACHE	000008D3-R	CACHE	LBR_GETHELP
REMOVE_KEY	0000345E-R	LBR_INDEX	LBR_INDEX
SET_MODULE	000026CC-R	LBR_GETPUT	
\$\$\$ACCVIO	0000000C	SYSS\$SDEF	LBR_INDEX CALLIMAGE

Symbol	Value	Defined By	Referenced By ...
SYSSADJWSL	7FFEDE28	SYSSP1_VECTOR	LBR_OPENCLOSE
SYSSBINTIM	7FFEDE58	SYSSP1_VECTOR	LBR_GETPUT
SYSSCLOSE	7FFEE1B8	SYSSP1_VECTOR	LBR_OPENCLOSE
SYSSCONNECT	7FFEE1C0	SYSSP1_VECTOR	LBR_OPENCLOSE
SYSSCREATE	7FFEE1C8	SYSSP1_VECTOR	LBR_OPENCLOSE
SYSSDISCONNECT	7FFEE1D0	SYSSP1_VECTOR	LBR_OPENCLOSE
SYSSXPREG	7FFEDF48	SYSSP1_VECTOR	GETMEM
SYSSFAO	7FFEDF50	SYSSP1_VECTOR	LBR_GETPUT
SYSSGETTIM	7FFEDF78	SYSSP1_VECTOR	LBR_GETPUT
SYSSIMGACT	7FFEDF90	SYSSP1_VECTOR	CALCIMAGE
SYSSIMGFIX	7FFEE400	SYSSP1_VECTOR	CALLIMAGE
SYSSOPEN	7FFEE208	SYSSP1_VECTOR	LBR_OPENCLOSE
SYSSPARSE	7FFEE230	SYSSP1_VECTOR	LBR_OUTPUTHELP
SYSSPUT	7FFEE188	SYSSP1_VECTOR	LBR_OUTPUTHELP
SYSSREAD	7FFEE190	SYSSP1_VECTOR	LBR_GETPUT
SYSSSEARCH	7FFEE248	SYSSP1_VECTOR	LBR_OUTPUTHELP
SYSSSETAST	7FFEDFF8	SYSSP1_VECTOR	LIB\$VM
SYSSSETIMR	7FFEE020	SYSSP1_VECTOR	LBR_OPENCLOSE
SYSSSRCHANDLER	7FFEE118	SYSSP1_VECTOR	LIB\$SIGNAL
SYSSTRNLOG	7FFEE058	SYSSP1_VECTOR	LBR_OUTPUTHELP
SYSSWAIT	7FFEE1A8	SYSSP1_VECTOR	LIB\$PUT_OUTPUT
SYSSWAITFR	7FFEE078	SYSSP1_VECTOR	LBR_OPENCLOSE
SYSSWRITE	7FFEE1B0	SYSSP1_VECTOR	LBR_PUTCACHE
TRAVERSE_KEYS	0000364F-R	LBR_INDEX	LBR_GETPUT
VALIDATE_CTL	00006641-R	LBR_SUBS	LBR_GETHELP
			LBR_OPENCLOSE
WRITE_BLOCK	00006783-R	LBR_SUBS	LBR_PUTCACHE
WRITE_RECORD	00001F37-R	LBR_GETPUT	LBR_OPENCLOSE
			CACHE
			LBR_INDEX
			LBR_OUTPUTHELP
			LIB\$PUT_OUTPUT
			LIB\$PUT_OUTPUT
			LIB\$VM
			LBR_OUTPUTHELP
			LBR_OPENCLOSE
			LIB\$PUT_OUTPUT
			LBR_OPENCLOSE
			LBR_SUBS
			LBR_INDEX
			LBR_PUTCACHE

-----  
! Symbols By Value !  
-----

Value

Symbols...

00000000	R-DCX\$ANALYZE_INIT
00000001	DCX\$C_LIST
00000008	R-DCX\$ANALYZE_DATA
0000000A	LBR\$K_LIBBLOCKS
0000000C	SS\$ ACCVIO
00000010	R-DCX\$MAKE_MAP
00000018	R-DCX\$ANALYZE_DONE
00000020	R-DCX\$COMPRESS_INIT
00000026	LBR\$ FACILITY
00000028	R-DCX\$COMPRESS_DATA
00000030	R-DCX\$COMPRESS_DONE
00000038	R-DCX\$EXPAND_INIT
00000040	R-DCX\$EXPAND_DATA
00000048	R-DCX\$EXPAND_DONE
00000101	DCX\$C_BOUNDED
00000102	DCX\$C_ONE_PASS
00000200	RU-LBR\$GC_CONTROL
00000201	DCX\$C_EST_RECORDS
00000202	DCX\$C_EST_BYTES
00000204	RU-LBR\$GC_RMSTV
00000208	R-! BR\$AL_CTLTAB
00000248	R-LBR\$GL_HICTL
0000024C	R-LBR\$GT_EOTDESC
00000250	R-LBR\$GT_LBRVER
00000268	R-LBR\$GL_MAXREAD
0000026C	R-LBR\$GL_MAXIDXRD
00000270	R-DCX\$HR_ADDRESS
00000274	R-DCX_ANALYZE_INIT
00000278	R-DCX_ANALYZE_DATA
0000027C	R-DCX_ANALYZE_DONE
00000280	R-DCX_COMPRESS_INIT
00000284	R-DCX_COMPRESS_DATA
00000288	R-DCX_COMPRESS_DONE
0000028C	R-DCX_EXPAND_INIT
00000290	R-DCX_EXPAND_DATA
00000294	R-DCX_EXPAND_DONE
00000298	R-DCX_MAKE_MAP
0000049C	R-MEM\$L_MAXBLK
000004A0	R-MEM\$L_MEMEXP
000004A4	R-NEWSL_BLK\$
000004AC	R-MEM\$L_DYNMEM
00000800	R-ADD_CACHE
000008C8	R-LCORUP_CACHE
000008D3	R-REMOVE_CACHE
000008EA	R-EMPTY_CACHE
00000967	R-LBR\$GET_VM
000009D6	R-LBR\$FREE_VM
00000B57	RU-LBR\$GET_HELP
00001A74	RU-LBR\$FIND

... Ir

Value

Symbols...

```

00001610 RU-LBR$PUT_RECORD
00001C1D RU-LBR$PUT_END
00001C77 RU-LBR$GET_RECORD
00001DAA RU-LBR$DELETE_DATA
00001E3A R-DELETE_DATA
00001F3 R-WRITE_RECORD
00002072 R-READ_RECORD
000021A4 R-READ_OLD_RECORD
00002401 R-INCR_REFCNT
00002409 R-DECR_REFCNT
00002FA1 RU-LBR$INSERT_TIME
00002659 RU-LBR$SET_MODULE
000026CC R-SET_MODULE
00002867 RU-LBR$PUT_HISTORY
00002B62 RU-LBR$GET_HISTORY
00002CBC RU-LBR$SET_INDEX
00002CCA RU-LBR$LOOKUP_KEY
00002D99 RU-LBR$INSERT_KEY
00002E01 R-LBR$REPLACE_KEY
00002EA7 RU-LBR$DELETE_KEY
00002EDF R-DELETE_KEY
00002F34 R-LBR$GET_INDEX
00003046 RU-LBR$SEARCH
0000313C R-ADD_KEY
0000345E R-REMOVE_KEY
0000354A R-LOOKUP_KEY
0000364F R-TRAVERSE_KEYS
0000369E R-FIND_KEY
0000391B R-FIND_INDEX
00003CA7 R-CHECK_LOCK
00003CCA R-MARK_DIRTY
00003CE4 R-LBR_OLD_LIB_DAI
00003DA5 R-LBR_OLD_LKP_KEY
000043FB R-LBR_OLD_GET_IDX
00004423 R-LBR_OLD_SRC_IDX
000045C0 RU-LBR$INI_CONTROL
00004636 RU-LBR$DCX_MAP
00004792 R-DCX_IT
000047F8 R-LBR$LOAD_DCX
00004838 RU-LBR$OPEN
00004EF8 RU-LBR$CLOSE
00005157 R-LBR DEAL MEM
000051DC RU-LBR$GET_HEADER
000052A5 RU-LBR$SET_LOCATE
000052C2 RU-LBR$SET_MOVE
000052DF RU-LBR$RET_RMSSTV
0000532C RU-LBR$OUTPUT_HELP
0000646E R-DEALLOC_CACHE
000064CE RU-LBR$FLUSH
00006528 R-MAKE_UPPER_CASE
000065AC R-MOVETO_UPPER_CASE
000065D0 R-GET_MEM

```

LBR

: Ir

: Er

: Er

: Fe

: D

Value	Symbols...
000065D3	R-DEALLOC MEM
000065D6	R-GET_ZMEM
000065F6	R-FIND_BLOCK
00006641	R-VALIDATE_CTL
00006677	R-ALLOC_BLOCK
000066DD	R-DEALLOC_BLOCK
00006783	R-WRITE_BLOCK
00006785	R-READ_BLOCK
000067F9	R-READ_N_BLOCK
00006930	R-INCR_RFA
00006954	R-LBR\$PATCH
00006B54	R-FMG\$MATCH_NAME
00006B9C	R-LIB\$ADR_IMAGE
00006BAC	R-LIB\$MAP_IMAGE
00006BBB	R-LIB\$CALC_IMAGE
00006D1D	R-LIB\$CVT_DTB
00006D24	R-LIB\$CVT_OTB
00006D2B	R-LIB\$CVT-HTB
00006D90	R-LIB\$GET_EF
00006DCF	R-LIB\$FREE_EF
00006E18	R-LIB\$RESERVE_EF
00006E64	R-LIB\$GET_VM
00006FEE	R-LIB\$FREE_VM
000070D4	R-LIB\$PUT_OUTPUT
000071CC	R-LIB\$STOP
000071D2	R-LIB\$SIGNAL
000072A8	R-LIB\$ANALYZE_SDESC
000072BD	R-LIB\$ANALYZE_SDESC_R2
00007440	R-LIB\$\$GL_GETVM_C
00007444	R-LIB\$\$GL_FREVM_C
00007448	R-LIB\$\$GL_VMINUSE
0015820C	LIB\$_FATERRLIB
00158214	LIB\$_INSVIRMEM
00158224	LIB\$_INVSTRDES
00158264	LIB\$_BADBLOADR
0015826C	LIB\$_BADBLOSIZ
00158294	LIB\$_INSEF
0015829C	LIB\$_EF_ALRFRE
001582A4	LIB\$_EF_ALRRES
001582AC	LIB\$_EF_RESSYS
00268001	U-LBR\$_NORMAL
00268009	U-LBR\$_KEYINDEX
00268017	U-LBR\$_KEYINS
00268019	U-LBR\$_OLDLIBRARY
00268403	U-LBR\$_NOHISTORY
0026840B	U-LBR\$_EMPTYHIST
00268800	U-LBR\$_HDRTRUNC
00268808	U-LBR\$_NOUPDHIST
00268810	U-LBR\$_NULIDX
00268818	U-LBR\$_OLDMISMCH
00268820	U-LBR\$_RECTRUNC
00268828	U-LBR\$_STILLKEYS

:  
:  
: D

:  
:  
: C

:  
:  
: U

<u>Value</u>	<u>Symbols...</u>
00268830	U-LBR\$_TYPMISMCH
00268838	U-LBR\$_NOMTCHFOU
00268840	U-LBR\$_ERRCLOSE
00268848	U-LBR\$_ENDTOPIC
00269002	U-LBR\$_ALLWRNGBLK
0026900A	U-LBR\$_DUPKEY
00269012	U-LBR\$_ILLCTL
0026901A	U-LBR\$_ILLCREOPT
00269022	U-LBR\$_ILLIDXNUM
0026902A	U-LBR\$_ILLFMT
00269032	U-LBR\$_ILLFUNC
0026903A	U-LBR\$_ILLOP
00269042	U-LBR\$_ILLTYP
0026904A	U-LBR\$_INVKEY
00269052	U-LBR\$_INVNAM
0026905A	U-LBR\$_INVRFA
00269062	U-LBR\$_KEYNOTFND
0026906A	U-LBR\$_LIBNOTOPN
00269072	U-LBR\$_LKPNOTDON
0026907A	U-LBR\$_LIBOPN
00269082	U-LBR\$_NOFILNAM
0026908A	U-LBR\$_NOHLPTXT
00269092	U-LBR\$_NOTHLPLIB
0026909A	U-LBR\$_RECLNG
002690A2	U-LBR\$_REFCNTZERO
002690AA	U-LBR\$_RFAPASTEOP
002690B2	U-LBR\$_TOOMNYLIB
002690BA	U-LBR\$_UPDURTRAV
002690C2	U-LBR\$_BADPARAM
002690CA	U-LBR\$_INTRNLERR
002690D2	U-LBR\$_WRITEERR
002690DA	U-LBR\$_ILLOUTROU
002690E2	U-LBR\$_ILLOUTWID
002690EA	U-LBR\$_ILLINROU
002690F2	U-LBR\$_TOOMNYARG
002690FA	U-LBR\$_USRINPERR
00269102	LBR\$_NOHLPLIBS
00F68001	DCX\$_NORMAL
00F68403	DCX\$_AGAIN
00F68800	DCX\$_TRUNC
00F69002	DCX\$_INVARG
00F6900A	DCX\$_INVDATA
00F69012	DCX\$_INVCTX
00F69022	DCX\$_INVMAP
7FFFEDE28	SYSS\$ADJWSL
7FFFEDE58	SYSS\$BINTIM
7FFFEDF48	SYSS\$XPREG
7FFFEDF50	SYSS\$FAO
7FFFEDF78	SYSS\$GETTIM
7FFFEDF90	SYSS\$IMGACT
7FFEDFF8	SYSS\$SETAST
7FFEE020	SYSS\$SETIMR

:  
:  
:  
D

Value	Symbols...
-----	-----
7FFEE058	SYS\$TRNLOG
7FFEE078	SYS\$WAITFR
7FFEE118	SYS\$SRCHANDLER
7FFEE188	SYS\$PUT
7FFEE190	SYS\$READ
7FFEE1A8	SYS\$WAIT
7FFEE1B0	SYS\$WRITE
7FFEE1B8	SYS\$CLOSE
7FFEE1C0	SYS\$CONNECT
7FFEE1C8	SYS\$CREATE
7FFEE1D0	SYS\$DISCONNECT
7FFEE208	SYS\$OPEN
7FFEE230	SYS\$PARSE
7FFEE248	SYS\$SEARCH
7FFEE400	SYS\$IMGFIX

Key for special characters above:

- ```

+-----+
| * - Undefined |
| U - Universal |
| R - Relocatable |
| X - External   |
+-----+

```

.....

:

-----  
! Image Synopsis !  
-----

Virtual memory allocated: 00000000 000075FF 00007600 (30208. bytes, 59. pages)  
Stack size: 0. pages  
Image header virtual block limits: 1. ( 1. block)  
Image binary virtual block limits: 2. ( 59. blocks)  
Image name and identification: LBRSHR V04-000  
Number of files: 4.  
Number of modules: 27.  
Number of program sections: 10.  
Number of global symbols: 145.  
Number of cross references: 508.  
Number of image sections: 4.  
Image type: PIC, SHAREABLE. Global Section Match=LESS/EQUAL, Ident, Major=2, Minor=9  
Map format: FULL WITH CROSS REFERENCE in file \_\$255\$DUA28:[LBR.LIS]LBRSHR.MAP;1  
Estimated map length: 76. blocks

-----  
! Link Run Statistics !  
-----

| Performance Indicators                 | Page Faults | CPU Time    | Elapsed Time |
|----------------------------------------|-------------|-------------|--------------|
| Command processing:                    | 183         | 00:00:01.20 | 00:00:02.53  |
| Pass 1:                                | 150         | 00:00:01.99 | 00:00:03.95  |
| Allocation/Relocation:                 | 39          | 00:00:00.31 | 00:00:00.80  |
| Pass 2:                                | 91          | 00:00:01.75 | 00:00:03.40  |
| Map data after object module synopsis: | 20          | 00:00:01.65 | 00:00:01.78  |
| Symbol table output:                   | 10          | 00:00:00.17 | 00:00:00.74  |
| Total run values:                      | 493         | 00:00:07.07 | 00:00:13.20  |

Using a working set limited to 1200 pages and 101 pages of data storage (excluding image)

Total number object records read (both passes): 1625  
of which 813 were in libraries and 176 were DEBUG data records containing 14189 bytes

Number of modules extracted explicitly = 14  
with 12 extracted to resolve undefined symbols

28 library searches were for symbols not in the library searched

A total of 16 global symbol table records was written

LINK/NOSYSSHR/SHARE=EXES:LBRSHR/MAP=MAPS:LBRSHR/FULL/CROSS/SYMBOL=EXES:LBRSHR SYSS\$INPUT:/OPTIONS

Options for LBRSHRLNK.COM  
Put the transfer vector up front

LIBS:LBR/INCLUDE=(LBR\_TRANSFER,-

Place the LBRSHR routines immediately after  
CACHE,- !Cache routines



```
GETMEM,-      :Memory allocation/deallocation
LBRMSG,-      :Message codes
LBR_DATA,-    :Global data
LBR_GETHELP,- :Extract HELP text
LBR_GETPUT,-  :Read/write records
LBR_INDEX,-   :Index manipulation
LBR_OLDLIB,-  :VMS R1 format routines
LBR_OPENCLOSE,- :Open/close library
LBR_OUTPUTHELP,- :Prompting and library searching help
LBR_PUTCACHE,- :Write cache to library
LBR_SUBS,-    :Subroutines
PADJ         :Padding for expansion/patching
```

: Link off of DCXSHR's symbol table

LIBDS:[DCX.OBJ]DCXSHR.STB

: Tweak transfer vector attributes to place it first

```
PSECT=$$VECTOR 0 LBR,NOPIC
PSECT=_LIB$CODE,NOPIC,NOSHR
```

: Set Global Section match control

GSMATCH=LEQUAL,2,9

: Define universal symbols

```
UNIVERSAL= -
LBR$CLOSE,-  :Close library
LBR$DCX_MAP,- :Get a DCX map
LBR$DELETE_DATA,- :Delete data
LBR$DELETE_KEY,- :Delete key
LBR$FIND,-    :Lookup by RFA
LBR$FLUSH,-   :Flush cache
LBR$GET_HEADER,- :Return library header
LBR$GET_HELP,- :Return HELP text
LBR$GET_HISTORY,- :Return library history records
LBR$GET_RECORD,- :Read text record
LBR$INI_CONTROL,- :Initialize control
LBR$INSERT_TIME,- :Insert date/time into module header
LBR$INSERT_KEY,- :Insert key
LBR$LOOKUP_KEY,- :Lookup key
LBR$OPEN,-    :Open library
LBR$OUTPUT_HELP,- :Prompting and library searching help
LBR$PUT_END,-  :Terminate writing module text
LBR$PUT_HISTORY,- :Build library update history
LBR$PUT_RECORD,- :Write module text record
LBR$SEARCH,-   :Search index for given RFA
LBR$SET_INDEX,- :Set current index
LBR$SET_LOCATE,- :Set locate mode
LBR$SET_MODULE,- :Return / update module header
LBR$SET_MOVE,- :Set move mode
LBR$RET_RMSSIV,- :Return RMS status value
LBR$GL_CONTROL,- :Pointer to library context block
```

:  
:  
:  
D

:  
:  
:  
D  
:  
:  
:  
O

LBR\$GL\_RMSSTV,- !RMS STV on errors

LBR messages

: Success

- lbr\$\_normal,-
- lbr\$\_keyindex,-
- lbr\$\_keyins,-
- lbr\$\_oldlibrary,-

: Informational codes

- lbr\$\_nohistory,-
- lbr\$\_emptyhist,-

: Warning codes

- lbr\$\_hdrtrunc,-
- lbr\$\_noupdhist,-
- lbr\$\_nulidx,-
- lbr\$\_oldmismch,-
- lbr\$\_rectrunc,-
- lbr\$\_stillkeys,-
- lbr\$\_typmismch,-
- lbr\$\_nomtchfou,-
- lbr\$\_errclose,-
- lbr\$\_endtopic,-

: Error codes

- lbr\$\_allwrngblk,-
- lbr\$\_dupkey,-
- lbr\$\_illctl,-
- lbr\$\_illcreopt,-
- lbr\$\_illidxnum,-
- lbr\$\_illfmt,-
- lbr\$\_illfunc,-
- lbr\$\_illop,-
- lbr\$\_illtyp,-
- lbr\$\_invkey,-
- lbr\$\_invnam,-
- lbr\$\_invrfa,-
- lbr\$\_keynotfnd,-
- lbr\$\_libnotopn,-
- lbr\$\_lkpnotdon,-
- lbr\$\_libopn,-
- lbr\$\_nofilnam,-
- lbr\$\_nohlptxt,-
- lbr\$\_nothlplib,-
- lbr\$\_reclng,-
- lbr\$\_refcntzero,-
- lbr\$\_rfapasteof,-
- lbr\$\_toomnylib,-
- lbr\$\_updurtrav,-
- lbr\$\_badparam,-
- lbr\$\_intrnerr,-
- lbr\$\_writeerr,-
- lbr\$\_illoutrou,-
- lbr\$\_illoutwid,-
- lbr\$\_illinrou,-
- lbr\$\_toomnyarg,-
- lbr\$\_usrinperr





