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EEEEEEEEEE  RRRRRRRR  FFFFFFFFFF  PPPPPPPP  RRRRRRRR  000000  CCCCCCCC  11
EEEEEEEEEE  RRRRRRRR  FFFFFFFFFF  PPPPPPPP  RRRRRRRR  000000  CCCCCCCC  11
EE          RR          FF          PP          PP  RR          RR  00          00  CC          1111
EE          RR          FF          PP          PP  RR          RR  00          00  CC          1111
EE          RR          FF          PP          PP  RR          RR  00          00  CC          11
EE          RR          FF          PP          PP  RR          RR  00          00  CC          11
EEEEEEEEEE  RRRRRRRR  FFFFFFFFFF  PPPPPPPP  RRRRRRRR  00          00  CC          11
EEEEEEEEEE  RRRRRRRR  FFFFFFFFFF  PPPPPPPP  RRRRRRRR  00          00  CC          11
EE          RR  RR          FF          PP          RR  RR          RR  00          00  CC          11
EE          RR  RR          FF          PP          RR  RR          RR  00          00  CC          11
EE          RR          RR          FF          PP          RR          RR          RR  00          00  CC          11
EE          RR          RR          FF          PP          RR          RR          RR  00          00  CC          11
EEEEEEEEEE  RR          RR          FF          PP          RR          RR          RR  000000  CCCCCCCC  111111
EEEEEEEEEE  RR          RR          FF          PP          RR          RR          RR  000000  CCCCCCCC  111111

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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

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_S
Pse
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SCC

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! Object Module Synopsis !
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Module Name	Ident	Bytes	File	Creation Date	Creator
ERFSHR	V04-000	0	_\$255\$DUA18:[ERF.OBJ]ERFSHR.EXE;3	9-JAN-1985 17:15	VAX-11 Linker V04-00
FORRTL	V04-000	0	_\$255\$DUA18:[SYSLIB]FORRTL.EXE;2	8-JAN-1985 19:09	VAX-11 Linker V04-00
LIBRTL	V04-000	0	_\$255\$DUA18:[SYSLIB]LIBRTL.EXE;3	9-JAN-1985 17:06	VAX-11 Linker V04-00
MTHRTL	V04-000	0	_\$255\$DUA18:[SYSLIB]MTHRTL.EXE;4	9-JAN-1985 17:10	VAX-11 Linker V04-00
ERFCOMMON	V04-000	0	_\$255\$DUA18:[ERF.OBJ]ERFCOMMON.EXE;3	9-JAN-1985 17:14	VAX-11 Linker V04-00
ERFPROCVECT	V04-000	32	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-JAN-1985 16:08	VAX/VMS Macro V04-00
ERFPRC1INI	01	43	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:12	VAX-11 FORTRAN V3.4-56
ERL\$LOGSTATUS_DISPATCHER	01	1032	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:11	VAX-11 FORTRAN V3.4-56
STATUS	01	1181	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:16	VAX-11 FORTRAN V3.4-56
PADRIVER_LOGMESSAGE	01	9570	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:16	VAX-11 FORTRAN V3.4-56
FLAGS	01	393	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:16	VAX-11 FORTRAN V3.4-56
FLAGS_DS	01	178	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:16	VAX-11 FORTRAN V3.4-56
FLAGS_F	01	165	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:16	VAX-11 FORTRAN V3.4-56
FLAGS_P	01	388	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:16	VAX-11 FORTRAN V3.4-56
FLAGS_PF	01	230	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:16	VAX-11 FORTRAN V3.4-56
DISK_TAPE_DRIVERS_MSCP_0	01	2058	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:21	VAX-11 FORTRAN V3.4-56
PUDRIVER_MSCP_DISPATCHER	01	1099	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:25	VAX-11 FORTRAN V3.4-56
DISK_TAPE_DRVR_MSCP_DISPATCHER	01	1147	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:21	VAX-11 FORTRAN V3.4-56
ERL\$LOGMESSAGE_DISPATCHER	01	2001	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:21	VAX-11 FORTRAN V3.4-56
MSLG\$SL_CMD_REF	01	182	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
ERLLOGMSG	01	944	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:21	VAX-11 FORTRAN V3.4-56
MSLG\$K_BUS_ADDR	01	1026	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSLG\$K_CNT_ERR	01	1016	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
DISK_TAPE_TRANSFER_ERRORS	01	1337	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
SDI STI ERRORS	01	1366	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
FORMATTER_VERSIONS	01	395	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSLG\$SL_GAP_CNT	01	218	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
STATUS_AND_EVENT_DECODE	V04-000	5823	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 15:59	VAX-11 Bliss-32 V4.0-742
TU81_SENSE_BYTES_DECODE	01	5065	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:19	VAX-11 FORTRAN V3.4-56
TA78_DEVICE_DEPENDENT	V04-000	13383	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:00	VAX-11 Bliss-32 V4.0-742
MSLG\$K_SML_DSK	01	1206	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCP_INVALID_COMMAND_END_MESSAGE	01	926	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSLG\$SB_CNT_MVR	01	219	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSLG\$SB_CNT_SVR	01	218	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSLG\$SB_FLAGS	01	402	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSLG\$SB_FORMAT	01	830	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSLG\$SB_LEVEL	01	97	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56

Module Name	Ident	Bytes	File	Creation Date	Creator
MSLGSSB_RETRY	01	97	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSLGSSB_UNIT_MVR	01	214	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSLGSSB_UNIT_SVR	01	213	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSLGSSL_BUS_ADDR	01	147	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSLGSSL_HEADER	01	1196	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSLGSSL_VOL_SER	01	227	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSLGSSQ_CNT_ID	01	1009	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSLGSSQ_UNIT_ID	01	1747	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSLGSSW_EVENT	01	146	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSLGSSW_MULT_UNT	01	206	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSLGSSW_SDE_CYL	01	99	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSLGSSW_SEQ_NUM	01	226	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSLGSSW_UNIT	01	328	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSLGSSZ_SDI	01	917	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
SA_ERROR	01	2982	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:25	VAX-11 FORTRAN V3.4-56
GENERIC_SDI	01	1709	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCPSSB_FLAGS	01	287	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCPSSW_STATUS	01	133	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCPSSB_OPCODE_DISPATCHER	01	1773	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCP_RESERVEDW	01	110	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
RA60_STATUS	01	10762	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
RAB0_STATUS	01	831	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
RAB1_STATUS	01	1794	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
RABX_STATUS	01	1073	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSLGSK_BUS_ADDR_AZTEC	01	1627	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSLGSK_SML_DSK_AZTEC	01	10661	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
STATUS_AND_EVENT_CODES	01	1217	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
LOGMSCP	01	1822	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:13	VAX-11 FORTRAN V3.4-56
LOGMSCP_HEADER	01	1012	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:13	VAX-11 FORTRAN V3.4-56
MSCPSSK_OP_ABORT	01	749	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCPSSK_OP_ACCES	01	1491	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCPSSK_OP_ACPH	01	642	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCPSSK_OP_AVAIL	01	653	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCPSSK_OP_AVATN	01	828	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCPSSK_OP_ONLIN	01	843	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCPSSK_OP_STCON	01	772	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCPSSL_DEV_PARM					

Module Name	Ident	Bytes	File	Creation Date	Creator
MSCPSSL_MEDIA_ID	01	100	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCPSSQ_TIME	01	783	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCPSSW_CNT_FLGS	01	299	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCPSSW_COPY_SPD	01	588	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCPSSW_HST_TMO	01	100	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCPSSW_SHDQ_UNT	01	232	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCPSSW_UNT_FLGS	01	224	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCPSSW_VERSION	01	708	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCPSSZ_BUFFER	01	99	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCP_FIRST_TWELVE_BYTES1	01	672	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCP_FIRST_TWELVE_BYTES2	01	836	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCP_RESERVEDQ	01	689	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCPSSB_OPCODE	01	166	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCPSSW_MODIFIER	01	1737	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCP_RESERVEDB	01	2476	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
MSCP_RESERVEDL	01	110	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
SYSSP1_VECTOR	V04-000	110	_\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:23	VAX-11 FORTRAN V3.4-56
		0	_\$255\$DUA18:[SYSLIB]STARLET.OLB;5	16-SEP-1984 00:40	VAX/VMS Macro V04-00

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! Module Relocatable Reference Synopsis !  
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Module Name	Number	Module Name	Number	Module Name	Number
ERL\$LOGSTATUS_DISPATCHER	26	STATUS	22	PADRIVER_LOGMESSAGE	126
FLAGS	8	FLAGS_DS	4	FLAGS_F	4
FLAGS_P	10	FLAGS_PF	5	DISK TAPE DRIVERS MSCP Q	37
PADRIVER MSCP DISPATCHER	16	DISK TAPE_DVR_MSCP_DISPATCHER	16	ERL\$LOGMESSAGE_DISPATCHER	72
MSLG\$SL_CMD_REF	1	ERL\$LOGMSG	19	MSLG\$K_BUS_ADDR	14
MSLG\$K_CNT_ERR	14	DISK TAPE TRANSFER_ERRORS	28	SDI STI ERRORS	28
FORMATTER VERSIONS	6	MSLG\$SL_GAP_CNT	5	STATUS_AND_EVENT_DECODE	136
TUB1_SENSE_BYTES_DECODE	130	TA78_DEVICE_DEPENDENT	329	MSLG\$K_SML_DSK	23
MSCP_INVALID_COMMAND_END_MESSAGE	19	MSLG\$SB_CNT_HVR	4	MSLG\$SB_CNT_SVR	4
MSLG\$SB_FLAGS	18	MSLG\$SB_FORMAT	13	MSLG\$SB_LEVEL	1
MSLG\$SB_RETRY	1	MSLG\$SB_UNIT_HVR	4	MSLG\$SB_UNIT_SVR	4
MSLG\$SL_BUS_ADDR	2	MSLG\$SL_HEADER	18	MSLG\$SL_VOL_SER	6
MSLG\$SQ_CNT_ID	10	MSLG\$SW_UNIT_ID	26	MSLG\$SW_EVENT	1
MSLG\$SW_MULT_UNT	3	MSLG\$SW_SDE_CYL	1	MSLG\$SW_SEQ_NUM	4
MSLG\$SW_UNIT	6	MSLG\$SZ_SDI	3	SA ERROR	18
GENERIC_SDI	39	MSCP\$SB_FLAGS	9	MSCP\$SW STATUS	1
MSCP\$B_OPCODE_DISPATCHER	5	MSCP_RESERVEDW	2	RA60 STATUS	149
RAB0 STATUS	13	RAB1 STATUS	27	RABX STATUS	30
MSLG\$K_BUS_ADDR_AZTEC	26	MSLG\$K_SML_DSK_AZTEC	207	STATUS_AND_EVENT_CODES	22

Module Name

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 LOGMSCP  
 MSCPSSK\_OP\_ACCES  
 MSCPSSK\_OP\_AVATN  
 MSCPSSL\_DEV\_PARM  
 MSCPSSW\_CNT\_FLGS  
 MSCPSSW\_SHDW\_UNT  
 MSCPSSZ\_BUFFER  
 MSCP\_RESERVEDQ  
 MSCP\_RESERVEDB

Number

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 35  
 10  
 6  
 1  
 23  
 1  
 1  
 2  
 2

Module Name

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 LOGMSCP\_HEADER  
 MSCPSSK\_OP\_ACPH  
 MSCPSSK\_OP\_ONLIN  
 MSCPSSL\_MEDIA\_ID  
 MSCPSSW\_COPY\_SPD  
 MSCPSSW\_UNT\_FLGS  
 MSCP\_FIRST\_TWELVE\_BYTES1  
 MSCPSSB\_OPCODE  
 MSCP\_RESERVEDL

Number

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 13  
 1  
 6  
 21  
 1  
 23  
 12  
 27  
 2

Module Name

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 MSCPSSK\_OP\_ABORT  
 MSCPSSK\_OP\_AVAIL  
 MSCPSSK\_OP\_STCON  
 MSCPSSQ\_TIME  
 MSCPSSW\_HST\_TMO  
 MSCPSSW\_VERSION  
 MSCP\_FIRST\_TWELVE\_BYTES2  
 MSCPSSW\_MODIFIER

Number

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 1  
 1  
 6  
 3  
 1  
 1  
 6  
 143

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! Image Section Synopsis !  
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Cluster	Type	Pages	Base Addr	Disk VBN	PFC	Protection and Paging	Global Sec. Name	Match	Majorid	Minorid
ERFSHR	1	2	00000000-R	0	0	READ ONLY	ERFSHR_001	LESS/EQUAL	1	0
	2	2	00000400-R	0	0	READ ONLY	ERFSHR_002	LESS/EQUAL	1	0
	4	17	00000800-R	0	0	READ WRITE COPY ON REF	ERFSHR_003	LESS/EQUAL	1	0
	4	40	00002A00-R	0	0	READ WRITE COPY ON REF	ERFSHR_004	LESS/EQUAL	1	0
	4	53	00007A00-R	0	0	READ ONLY	ERFSHR_005	LESS/EQUAL	1	0
	4	4	P-0000E400-R	0	0	READ ONLY	ERFSHR_006	LESS/EQUAL	1	0
	2	10	0000EC00-R	0	0	READ WRITE FIXUP VECTORS	ERFSHR_007	LESS/EQUAL	1	0
FORRTL	3	63	00000000-R	0	0	READ ONLY	FORRTL_001	LESS/EQUAL	1	100
	4	2	00007E00-R	0	0	READ WRITE COPY ON REF	FORRTL_002	LESS/EQUAL	1	100
	2	1	00008200-R	0	0	READ WRITE FIXUP VECTORS	FORRTL_003	LESS/EQUAL	1	100
LIBRTL	3	111	00000000-R	0	0	READ ONLY	LIBRTL_001	LESS/EQUAL	1	11
	4	1	0000DE00-R	0	0	READ WRITE DEMAND ZERO	LIBRTL_002	LESS/EQUAL	1	11
MTHRTL	3	115	00000000-R	0	0	READ ONLY	MTHRTL_001	LESS/EQUAL	129	32778
	2	1	0000E600-R	0	0	READ WRITE FIXUP VECTORS	MTHRTL_002	LESS/EQUAL	129	32778
ERFCOMMON	4	13	00000000-R	0	0	READ WRITE COPY ON REF	ERFCOMMON_001	LESS/EQUAL	1	0
DEFAULT_CLUSTER	2	1	00000000-R	2	0	READ ONLY				
	4	52	00000200-R	3	0	READ WRITE NON-SHAREABLE ADDRESS DATA				
	4	49	00006A00-R	55	0	READ WRITE COPY ON REF				
	4	93	0000CC00-R	104	0	READ ONLY				
	2	19	00018600-R	197	0	READ WRITE FIXUP VECTORS				

Key for special characters above:

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! R - Relocatable !
! P - Protected   !
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! Program Section Synopsis !  
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<u>Psect Name</u>	<u>Module Name</u>	<u>Base</u>	<u>End</u>	<u>Length</u>	<u>Align</u>	<u>Attributes</u>	
\$SERFPROC1VECT	ERFPROC1VECT	00000000	0000001F	00000020 (	32.)	BYTE 0	NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC
		00000000	0000001F	00000020 (	32.)	BYTE 0	
\$PDATA	ERFPRC1INI	00000200	00003A6F	00003870 (	14448.)	LONG 2	PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD,NOWRT,NOVEC
	ERL\$LOGSTATUS_DISPATCHER	00000200	00000200	00000C00 (	0.)	LONG 2	
	STATUS	00000200	0000021B	0000001C (	28.)	LONG 2	
	PADRIVER_LOGMESSAGE	0000021C	00000268	0000004D (	77.)	LONG 2	
	FLAGS	0000026C	000009C0	00000755 (	1877.)	LONG 2	
	FLAGS_DS	000009C4	00000A1E	0000005B (	91.)	LONG 2	
	FLAGS_F	00000A20	00000A46	00000027 (	39.)	LONG 2	
	FLAGS_P	00000A48	00000A61	0000001A (	26.)	LONG 2	
	FLAGS_PF	00000A64	00000AB5	00000052 (	82.)	LONG 2	
	DISK_TAPE_DRIVERS_MSCP_0	00000AB8	00000AE6	0000002F (	47.)	LONG 2	
	PUDRIVER_MSCP_DISPATCHER	00000AE8	00000B49	00000062 (	98.)	LONG 2	
	DISK_TAPE_DRVR_MSCP_DISPATCHER	00000B4C	00000B7F	00000034 (	52.)	LONG 2	
	ERL\$LOGMESSAGE_DISPATCHER	00000B80	00000BAC	0000002D (	45.)	LONG 2	
	MSLG\$SL_CMD_REF	00000B80	00000C78	000000C9 (	201.)	LONG 2	
	ERLLOGMSG	00000C7C	00000CB5	0000003A (	58.)	LONG 2	
	MSLG\$K_BUS_ADDR	00000CB8	00000D02	0000004B (	75.)	LONG 2	
	MSLG\$K_CNT_ERR	00000D04	00000D37	00000034 (	52.)	LONG 2	
	DISK_TAPE_TRANSFER_ERRORS	00000D38	00000D6B	00000034 (	52.)	LONG 2	
	SDI STI ERRORS	00000D6C	00000DAD	00000042 (	66.)	LONG 2	
	FORMATTER_VERSIONS	00000DB0	00000DE3	00000034 (	52.)	LONG 2	
	MSLG\$SL_GAP_CNT	00000DE4	00000E79	00000096 (	150.)	LONG 2	
	TUB1_SENSE_BYTES_DECODE	00000E7C	00000EBB	00000040 (	64.)	LONG 2	
	MSLG\$K_SML_DSK	00000EBC	00001002	00000147 (	327.)	LONG 2	
	MSCP_INVALID_COMMAND_END_MESSAGE	00001004	00001045	00000042 (	66.)	LONG 2	
	MSLG\$SB_CNT_HVR	00001048	00001085	0000003E (	62.)	LONG 2	
	MSLG\$SB_CNT_SVR	00001088	000010DA	00000053 (	83.)	LONG 2	
	MSLG\$SB_FLAGS	000010DC	0000112D	00000052 (	82.)	LONG 2	
	MSLG\$SB_FORMAT	00001130	0000115E	0000002F (	47.)	LONG 2	
	MSLG\$SB_LEVEL	00001160	00001241	000000E2 (	226.)	LONG 2	
	MSLG\$SB_RETRY	00001244	00001260	0000001D (	29.)	LONG 2	
	MSLG\$SB_UNIT_HVR	00001264	00001280	0000001D (	29.)	LONG 2	
	MSLG\$SB_UNIT_SVR	00001284	000012D1	0000004E (	78.)	LONG 2	
		000012D4	00001320	0000004D (	77.)	LONG ?	



<u>Psect Name</u>	<u>Module Name</u>	<u>Base</u>	<u>End</u>	<u>Length</u>	<u>Align</u>	<u>Attributes</u>
SPDATA	MSLGSSL_BUS_ADDR	00000200	00003A6F	00003870 (	14448.)	LONG 2 PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD,NOWRT,NOVEC
	MSLGSSL_HEADER	00001324	00001347	00000024 (	36.)	LONG 2
	MSLGSSL_VOL_SER	00001348	000014BE	00000177 (	375.)	LONG 2
	MSLGSSQ_CNT_ID	000014C0	000014FB	0000003C (	60.)	LONG 2
	MSLGSSQ_UNIT_ID	000014FC	0000156C	00000071 (	113.)	LONG 2
	MSLGSSW_EVENT	00001570	00001627	000000B8 (	184.)	LONG 2
	MSLGSSW_MULT_UNT	00001628	00001644	0000001D (	29.)	LONG 2
	MSLGSSW_SDE_CYL	00001648	00001675	0000002E (	46.)	LONG 2
	MSLGSSW_SEQ_NUM	00001678	00001696	0000001F (	31.)	LONG 2
	MSLGSSW_UNIT	00001698	000016D9	00000042 (	66.)	LONG 2
	MSLGSSZ_SDI	000016DC	00001720	00000045 (	69.)	LONG 2
	SA_ERROR	00001724	0000174E	0000002B (	43.)	LONG 2
	GENERIC_SDI	00001750	000017D6	00000087 (	135.)	LONG 2
	MSCPSSB_FLAGS	000017D3	000018A3	000000CC (	204.)	LONG 2
	MSCPSSW_STATUS	000018A4	000018CA	00000027 (	39.)	LONG 2
	MSCPSSB_OPCODE_DISPATCHER	000018CC	000018E9	0000001E (	30.)	LONG 2
	MSCP_RESERVEDW	000018EC	00001900	00000015 (	21.)	LONG 2
	RA60_STATUS	00001904	0000191B	00000018 (	24.)	LONG 2
	RAB0_STATUS	0000191C	00002587	0000006C (	3180.)	LONG 2
	RAB1_STATUS	00002588	0000268F	00000108 (	264.)	LONG 2
	RABX_STATUS	00002690	00002892	00000203 (	515.)	LONG 2
	MSLGSK_BUS_ADDR_AZTEC	00002894	00002931	0000009E (	158.)	LONG 2
	MSLGSK_SML_DSK_AZTEC	00002934	000029F8	000000C5 (	197.)	LONG 2
	STATUS_AND_EVENT_CODES	000029FC	00003329	0000092E (	2350.)	LONG 2
	LOGMSCP	0000332C	0000339F	00000074 (	116.)	LONG 2
	LOGMSCP_HEADER	000033A0	0000346F	000000D0 (	208.)	LONG 2
	MSCPSSK_OP_ABORT	00003470	000034E5	00000076 (	118.)	LONG 2
	MSCPSSK_OP_ACCESS	000034E8	0000350B	00000024 (	36.)	LONG 2
	MSCPSSK_OP_ACPTH	0000350C	000035DC	000000D1 (	209.)	LONG 2
	MSCPSSK_OP_AVAIL	000035E0	000035E8	00000009 (	9.)	LONG 2
	MSCPSSK_OP_AVATN	000035EC	000035F4	00000009 (	9.)	LONG 2
	MSCPSSK_OP_ONLIN	000035F8	00003616	0000001F (	31.)	LONG 2
	MSCPSSK_OP_STCON	00003618	00003629	00000012 (	18.)	LONG 2
	MSCPSSL_DEV_PARM	0000362C	00003634	00000009 (	9.)	LONG 2
	MSCPSSL_MEDIA_ID	00003638	00003657	00000020 (	32.)	LONG 2
	MSCPSSQ_TIME	00003658	000036CD	00000076 (	118.)	LONG 2
		000036D0	000036F9	0000002A (	42.)	LONG 2

FOI  
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<u>Psect Name</u>	<u>Module Name</u>	<u>Base</u>	<u>End</u>	<u>Length</u>	<u>Align</u>	<u>Attributes</u>
GLOBAL						PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC
	MSLG\$K_CNT_ERR	00006A00	0000C2F7	000058F8 (	22776.)	LONG 2
	DISK_TAPE_TRANSFER_ERRORS	00007930	000079CF	0000C0A0 (	160.)	LONG 2
	SDI_STI_ERRORS	000079D0	00007AFF	00000130 (	304.)	LONG 2
	FORMATTER_VERSIONS	00007B00	00007C27	00000128 (	296.)	LONG 2
	MSLG\$SL_GAP_CNT	00007C28	00007C5F	00000038 (	56.)	LONG 2
	TUB1_SENSE_BYTES_DECODE	00007C60	00007C8F	00000030 (	48.)	LONG 2
	MSLG\$K_SML_DSK	00007C90	00008898	00000C0C (	3084.)	LONG 2
	MSCP_INVALID_COMMAND_END_MESSAGE	0000889C	00008997	000000FC (	252.)	LONG 2
	MSLG\$SB_CNT_HVR	00008998	00008A33	0000009C (	156.)	LONG 2
	MSLG\$SB_CNT_SVR	00008A34	00008A5B	00000028 (	40.)	LONG 2
	MSLG\$SB_FLAGS	00008A5C	00008A83	00000028 (	40.)	LONG 2
	MSLG\$SB_FORMAT	00008A84	00008B67	000000E4 (	228.)	LONG 2
	MSLG\$SB_LEVEL	00008B68	00008BD7	00000070 (	112.)	LONG 2
	MSLG\$SB_RETRY	00008BD8	00008BE3	0000000C (	12.)	LONG 2
	MSLG\$SB_UNIT_HVR	00008BE4	00008BEF	0000000C (	12.)	LONG 2
	MSLG\$SB_UNIT_SVR	00008BF0	00008C17	00000028 (	40.)	LONG 2
	MSLG\$SL_BUS_ADDR	00008C18	00008C3F	00000028 (	40.)	LONG 2
	MSLG\$SL_HEADER	00008C40	00008C5F	00000020 (	32.)	LONG 2
	MSLG\$SL_VOL_SER	00008C60	00008CFF	000000A0 (	160.)	LONG 2
	MSLG\$SQ_CNT_ID	00008D00	00008D47	00000048 (	72.)	LONG 2
	MSLG\$SQ_UNIT_ID	00008D48	00008F37	000001F0 (	496.)	LONG 2
	MSLG\$SW_EVENT	00008F38	0000908B	00000154 (	340.)	LONG 2
	MSLG\$SW_MULT_UNT	0000908C	000090AF	00000024 (	36.)	LONG 2
	MSLG\$SW_SDE_CYL	000090B0	000090CB	0000001C (	28.)	LONG 2
	MSLG\$SW_SEQ_NUM	000090CC	000090D7	0000000C (	12.)	LONG 2
	MSLG\$SW_UNIT	000090DB	000090FF	00000028 (	40.)	LONG 2
	MSLG\$SZ_SDI	00009100	00009137	00000038 (	56.)	LONG 2
	SA_ERROR	00009138	0000918B	00000054 (	84.)	LONG 2
	GENERIC_SDI	0000918C	00009A8B	00000900 (	2304.)	LONG 2
	MSCP\$SB_FLAGS	00009A8C	00009E73	000003E8 (	1000.)	LONG 2
	MSCP\$SW_STATUS	00009E74	00009F1B	000000A8 (	168.)	LONG 2
	MSCP\$B_OPCODE_DISPATCHER	00009F1C	00009F37	0000001C (	28.)	LONG 2
	MSCP_RESERVEDW	00009F38	00009F73	0000003C (	60.)	LONG 2
	RA60_STATUS	00009F74	00009F87	00000014 (	20.)	LONG 2
	RAB0_STATUS	00009F88	0000A44F	000004C8 (	1224.)	LONG 2
	RAB1_STATUS	0000A450	0000A4BF	00000070 (	112.)	LONG 2
	RABX_STATUS	0000A4C0	0000A59F	000000E0 (	224.)	LONG 2
	MSLG\$K_BUS_ADDR_AZTEC	0000A5A0	0000A72F	00000190 (	400.)	LONG 2
	MSLG\$K_SML_DSK_AZTEC	0000A730	0000A88B	0000018C (	396.)	LONG 2
	STATUS_AND_EVENT_CODES	0000A88C	0000B0AF	000007F4 (	2036.)	LONG 2

LIF  
LIF  
LIF

<u>Psect Name</u>	<u>Module Name</u>	<u>Base</u>	<u>End</u>	<u>Length</u>	<u>Align</u>	<u>Attributes</u>	
\$LOCAL		00006A00	0000C2F7	000058F8 (	22776.)	LONG 2	PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC
		0000B0B0	0000B187	000000D8 (	216.)	LONG 2	
	LOGMSCP	0000B188	0000B28B	00000104 (	260.)	LONG 2	
	LOGMSCP_HEADER	0000B28C	0000B2EB	00000060 (	96.)	LONG 2	
	MSCP\$\$K_OP_ABORT	0000B2EC	0000B303	00000018 (	24.)	LONG 2	
	MSCP\$\$K_OP_ACCES	0000B304	0000B367	00000064 (	100.)	LONG 2	
	MSCP\$\$K_OP_ACPH	0000B368	0000B37F	00000018 (	24.)	LONG 2	
	MSCP\$\$K_OP_AVAIL	0000B380	0000B397	00000018 (	24.)	LONG 2	
	MSCP\$\$K_OP_AVATN	0000B398	0000B3F3	0000005C (	92.)	LONG 2	
	MSCP\$\$K_OP_ONLIN	0000B3F4	0000B44F	0000005C (	92.)	LONG 2	
	MSCP\$\$K_OP_STCON	0000B450	0000B4AF	000000E0 (	96.)	LONG 2	
	MSCP\$\$L_DEV_PARM	0000B4B0	0000B4BB	0000000C (	12.)	LONG 2	
	MSCP\$\$L_MEDIA_ID	0000B4BC	0000B5CB	00000110 (	272.)	LONG 2	
	MSCP\$\$Q_TIME	0000B5CC	0000B61F	00000054 (	84.)	LONG 2	
	MSCP\$\$W_CNT_FLGS	0000B620	0000B7BF	000001A0 (	416.)	LONG 2	
	MSCP\$\$W_COPY_SPD	0000B7C0	0000B7CB	0000000C (	12.)	LONG 2	
	MSCP\$\$W_HST_TMO	0000B7CC	0000B7E3	00000018 (	24.)	LONG 2	
	MSCP\$\$W_SHDW_UNT	0000B7E4	0000B7FB	00000018 (	24.)	LONG 2	
	MSCP\$\$W_UNT_FLGS	0000B7FC	0000BA0B	00000210 (	528.)	LONG 2	
	MSCP\$\$W_VERSION	0000BA0C	0000BA17	0000000C (	12.)	LONG 2	
	MSCP\$\$Z_BUFFER	0000BA18	0000BA3B	00000024 (	36.)	LONG 2	
	MSCP_FIRST_TWELVE_BYTES1	0000BA3C	0000BACB	00000090 (	144.)	LONG 2	
	MSCP_FIRST_TWELVE_BYTES2	0000BACC	0000BB1B	00000050 (	80.)	LONG 2	
	MSCP_RESERVEDQ	0000BB1C	0000BB47	0000002C (	44.)	LONG 2	
	MSCP\$\$B_OPCODE	0000BB48	0000BC27	000000E0 (	224.)	LONG 2	
	MSCP\$\$W_MODIFIER	0000BC28	0000C2CF	000006A8 (	1704.)	LONG 2	
	MSCP_RESERVEDB	0000C2D0	0000C2E3	00000014 (	20.)	LONG 2	
	MSCP_RESERVEDL	0000C2E4	0000C2F7	00000014 (	20.)	LONG 2	
\$OWNS		0000C2F8	0000CBAB	000008B4 (	2228.)	LONG 2	PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC
	STATUS_AND_EVENT_DECODE	0000C2F8	0000C443	0000014C (	332.)	LONG 2	
	TA78_DEVICE_DEPENDENT	0000C444	0000CBAB	00000768 (	1896.)	LONG 2	
SA		0000CBAC	0000CBCE	00000023 (	35.)	LONG 2	PIC,USR,OVR,REL,GBL,NOSHR,NOEXE, RD, WRT,NOVEC



Psect Name	Module Name	Base	End	Length	Align	Attributes
SCODE		0000CC00	0001855D	0000B95E (	47454.)	LONG 2 PIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC
	MSLGSSL_BUS_ADDR	00011B24	00011B72	0000004F (	79.)	LONG 2
	MSLGSSL_HEADER	00011B74	00011E08	00000295 (	661.)	LONG 2
	MSLGSSL_VOL_SER	00011E0C	00011E6A	0000005F (	95.)	LONG 2
	MSLGSSQ_CNT_ID	00011E6C	00011FFB	00000190 (	400.)	LONG 2
	MSLGSSQ_UNIT_ID	00011FFC	000124C2	000004C7 (	1223.)	LONG 2
	MSLGSSW_EVENT	000124C4	00012514	00000051 (	81.)	LONG 2
	MSLGSSW_MULT_UNT	00012518	0001259B	00000084 (	132.)	LONG 2
	MSLGSSW_SDE_CYL	0001259C	000125D3	00000038 (	56.)	LONG 2
	MSLGSSW_SEQ_NUM	000125D4	0001264B	00000078 (	120.)	LONG 2
	MSLGSSW_UNIT	0001264C	00012716	000000CB (	203.)	LONG 2
	MSLGSSZ_SDI	00012718	0001282D	00000116 (	278.)	LONG 2
	SA_ERROR	00012830	00012A2B	000001FC (	508.)	LONG 2
	GENERIC_SDI	00012A2C	00012C24	000001F9 (	505.)	LONG 2
	MSCPSSB_FLAGS	00012C28	00012C77	00000050 (	80.)	LONG 2
	MSCPSSW_STATUS	00012C78	00012CC2	0000004B (	75.)	LONG 2
	MSCPSSB_OPCODE_DISPATCHER	00012CC4	0001315F	0000049C (	1180.)	LONG 2
	MSCP_RESERVEDW	00013160	000131A1	00000042 (	66.)	LONG 2
	RA60_STATUS	000131A4	00014A79	000018D6 (	6358.)	LONG 2
	RAB0_STATUS	00014A7C	00014C42	000001C7 (	455.)	LONG 2
	RAB1_STATUS	00014C44	00015062	0000041F (	1055.)	LONG 2
	RABX_STATUS	00015064	00015266	00000203 (	515.)	LONG 2
	MSLGSK_BUS_ADDR_AZTEC	00015268	00015471	0000020A (	522.)	LONG 2
	MSLGSK_SML_DSK_AZTEC	00015474	00016AF6	00001683 (	5763.)	LONG 2
	STATUS_AND_EVENT_CODES	00016AF8	00016C6C	00000175 (	373.)	LONG 2
	LOGMSCP	00016C70	00016F8D	0000031E (	798.)	LONG 2
	LOGMSCP_HEADER	00016F90	00017081	00000012 (	242.)	LONG 2
	MSCPSSK_OP_ABORT	00017084	00017134	000000B1 (	177.)	LONG 2
	MSCPSSK_OP_ACCES	00017138	000173D5	0000029E (	670.)	LONG 2
	MSCPSSK_OP_ACPTH	000173D8	00017438	00000061 (	97.)	LONG 2
	MSCPSSK_OP_AVAIL	0001743C	000174A7	0000006C (	108.)	LONG 2
	MSCPSSK_OP_AVATN	000174A8	0001756B	000000C1 (	193.)	LONG 2
	MSCPSSK_OP_ONLIN	0001756C	00017648	000000DD (	221.)	LONG 2
	MSCPSSK_OP_STCON	0001764C	000176E6	0000009B (	155.)	LONG 2
	MSCPSSL_DEV_PARM	000176E8	0001771F	00000038 (	56.)	LONG 2
	MSCPSSL_MEDIA_ID	00017720	000178A8	00000189 (	393.)	LONG 2
	MSCPSSQ_TIME	000178AC	00017958	000000AD (	173.)	LONG 2

<u>Psect Name</u>	<u>Module Name</u>	<u>Base</u>	<u>End</u>	<u>Length</u>	<u>Align</u>	<u>Attributes</u>
SCODE		0000CC00	0001855D	0000B95E (	47454.)	LONG 2 PIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC
	MSCP\$\$W_CNT_FLGS	0001795C	000179D5	0000007A (	122.)	LONG 2
	MSCP\$\$W_COPY_SPD	000179D8	00017A0F	00000038 (	56.)	LONG 2
	MSCP\$\$W_HST_TMO	00017A10	00017A99	0000008A (	138.)	LONG 2
	MSCP\$\$W_SHDW_UNT	00017A9C	00017B25	0000008A (	138.)	LONG 2
	MSCP\$\$W_UNT_FLGS	00017B28	00017BA1	0000007A (	122.)	LONG 2
	MSCP\$\$W_VERSION	00017BA4	00017BDB	00000038 (	56.)	LONG 2
	MSCP\$\$Z_BUFFER	00017BDC	00017C2D	00000052 (	82.)	LONG 2
	MSCP_FIRST_TWELVE_BYTES1	00017C30	00017CDB	000000AC (	172.)	LONG 2
	MSCP_FIRST_TWELVE_BYTES2	00017CDC	00017D3C	00000061 (	97.)	LONG 2
	MSCP_RESERVEDQ	00017D40	00017D9B	0000005C (	92.)	LONG 2
	MSCP\$\$B_OPCODE	00017D9C	00018218	0000047D (	1149.)	LONG 2
	MSCP\$\$W_MODIFIER	0001821C	000184D5	000002BA (	698.)	LONG 2
	MSCP_RESERVEDB	000184D8	00018519	00000042 (	66.)	LONG 2
	MSCP_RESERVEDL	0001851C	0001855D	00000042 (	66.)	LONG 2

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! Symbol Cross Reference !  
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Symbol	Value	Defined By	Referenced By ...
AZTEC_FULL_ERROR_CODE1	000124FE-R	MSLG\$\$W_EVENT	MSLG\$K_BUS_ADDR_AZTEC
CALC_MAP	00018648-RX	ERFSHR	MSLG\$\$C_BUS_ADDR
CDDBSQ_CNTRLID	00011EB0-R	MSLG\$\$Q_CNT_ID	LOGMSCP-HEADER
COMPRESS4	0001868C-RX	ERFSHR	ERLOGMSG
			FLAGS_P
			FORMATTER_VERSIONS
			GENERIC_SDI
			LOGMSCP-
			MSCP\$\$B_OPCODE
			MSCP\$\$K_OP_ACCES
			MSCP\$\$L_MEDIA_ID
			MSCP\$\$W_HST_TMO
			MSCP\$\$W_SHDW_UNT
			MSLG\$\$B_CNT_RVR
			MSLG\$\$B_CNT_SVR
			MSLG\$\$B_FORMAT
			MSLG\$\$B_UNIT_HVR
			MSLG\$\$B_UNIT_SVR
			MSLG\$\$L_GAP_CNT
			MSLG\$\$L_HEADER
			MSLG\$\$W_SEQ_NUM
			MSLG\$\$W_UNIT
			MSLG\$K_BUS_ADDR_AZTEC
			MSLG\$K_SML_DSK_AZTEC
			PADRIVER_LOGMESSAGE
			RA60_STATUS
			RABX_STATUS
			SA_ERROR
			STATUS_AND_EVENT_CODES
COMPRESSC	00018698-RX	ERFSHR	MSLG\$\$Q_CNT_ID
			MSLG\$\$Q_UNIT_ID
			SA_ERROR
			STATUS
DHEAD2	000186A8-RX	ERFSHR	ERL\$LOGMESSAGE_DISPATCHER
			ERL\$LOGSTATUS_DISPATCHER
			ERLOGMSG
DHEAD3	00018658-RX	ERFSHR	PUDRIVER_MSCP_DISPATCHER
DISK_HEADER	00011BAE-R	MSLG\$\$L_HEADER	DISK_TAPE_DRV_MSCP_DISPATCHER
DISK_TAPE_DRIVERS_MSCP_DQ	0000EC24-R	DISK_TAPE_DRIVERS_MSCP_Q	MSLG\$K_SML_DSK_AZTEC
DISK_TAPE_DRIVERS_MSCP_Q	0000E994-R	DISK_TAPE_DRIVERS_MSCP_Q	ERL\$LOGSTATUS_DISPATCHER
			ERL\$LOGMESSAGE_DISPATCHER
DISK_TAPE_DRV_MSCP_DISPATCHER	0000EE94-R	DISK_TAPE_DRV_MSCP_DISPATCHER	ERL\$LOGSTATUS_DISPATCHER
			DISK_TAPE_DRIVERS_MSCP_Q
			ERL\$LOGMESSAGE_DISPATCHER
DISK_TAPE_TRANSFER_ERRORS	0000F6E8-R	DISK_TAPE_TRANSFER_ERRORS	ERL\$LOGSTATUS_DISPATCHER
			DISK_TAPE_DRV_MSCP_DISPATCHER
			LOGMSCP
DUMPREG	00018654-RX	ERFSHR	PUDRIVER_MSCP_DISPATCHER
			DISK_TAPE_TRANSFER_ERRORS











Symbol	Value	Defined By	Referenced By ...
FOR\$IO_X_NL	000186C0-RX	FORRTL	MSCP\$W_MODIFIER
FOR\$WRITE_SF	000186D0-RX	FORRTL	MSCP\$W_SHDW_UNT
			MSCP\$W_STATOS
			MSCP\$W_UNT_FLGS
			MSCP\$W_VERSION
			MSCP_RESERVEDW
			MSLG\$W_EVENT
			MSLG\$W_MULT_UNT
			MSLG\$W_SDE_CYL
			MSLG\$W_SEQ_NUM
			MSLG\$W_UNIT
			MSLG\$K_BUS_ADDR_AZTEC
			MSLG\$K_SML_DSK_AZTEC
			PADRIVER_LOGMESSAGE
			SA_ERROR
			PADRIVER_LOGMESSAGE
			DISK_TAPE_DRIV_S_MSCP_Q
			DISK_TAPE_TRANSFER_ERRORS
			ERL\$LOGMESSAGE_DISPATCHER
			ERLLOGMSG
			FLAGS
			FLAGS_DS
			FLAGS_F
			FLAGS_P
			FLAGS_PF
			FORMATTER_VERSIONS
			GENERIC_SDI
			LOGMSCP
			LOGMSCP_HEADER
			MSCP\$B_FLAGS
			MSCP\$B_OPCODE
			MSCP\$K_OP_ABORT
			MSCP\$K_OP_ACCES
			MSCP\$K_OP_ACPH
			MSCP\$K_OP_AVAIL
			MSCP\$K_OP_AVATN
			MSCP\$K_OP_ONLIN
			MSCP\$K_OP_STCON
			MSCP\$S_DEV_PARM
			MSCP\$S_MEDIA_ID
			MSCP\$Q_TIME
			MSCP\$W_CNT_FLGS
			MSCP\$W_COPY_SPD
			MSCP\$W_HST_TMO
			MSCP\$W_MODIFIER
			MSCP\$W_SHDW_UNT
			MSCP\$W_STATOS
			MSCP\$W_UNT_FLGS
			MSCP\$W_VERSION
			MSCP\$Z_BUFFER
			MSCP\$B_OPCODE_DISPATCHER
			MSCP_INVALID_COMMAND_END_MESSAGE

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sdi  
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msl









<u>Symbol</u>	<u>Value</u>	<u>Defined By</u>	<u>Referenced By ...</u>
LOGGER	000186AC-RX	ERF SHR	MSCP\$\$Z_BUFFER MSCP\$\$B_OPCODE_DISPATCHER MSCP_INVALID_COMMAND_END_MESSAGE MSCP_RESERVEDB MSCP_RESERVEDL MSCP_RESERVEDQ MSCP_RESERVEDW MSLG\$\$B_CNT_HVR MSLG\$\$B_CNT_SVR MSLG\$\$B_FLAGS MSLG\$\$B_FORMAT MSLG\$\$B_LEVEL MSLG\$\$B_RETRY MSLG\$\$B_UNIT_HVR MSLG\$\$B_UNIT_SVR MSLG\$\$L_BUS_ADDR MSLG\$\$L_CMD_REF MSLG\$\$L_GAP_CNT MSLG\$\$L_HEADER MSLG\$\$L_VOL_SER MSLG\$\$Q_CNT_ID MSLG\$\$Q_UNIT_ID MSLG\$\$W_EVENT MSLG\$\$W_MULT_UNT MSLG\$\$W_SDE_CYL MSLG\$\$W_SEQ_NUM MSLG\$\$W_UNIT MSLG\$\$Z_SDI MSLG\$K_BUS_ADDR MSLG\$K_BUS_ADDR_AZTEC MSLG\$K_CNT_ERR MSLG\$K_SML_DSK MSLG\$K_SML_DSK_AZTEC PADRIVER_LOGMESSAGE RA60_STATUS RABX_STATUS SA_ERROR SDI_STI_ERRORS STATUS STATUS_AND_EVENT_CODES TUB1_SENSE_BYTES_DECODE DISK_TAPE_DRV_MSCP_DISPATCHER ERL\$LOGMESSAGE_DISPATCHER ERL\$LOGSTATUS_DISPATCHER ERLLOGMSG LOGMSCP PADRIVER_LOGMESSAGE PUDRIVER_MSCP_DISPATCHER ERFPROC1\$ECT LOGMSCP DISK_TAPE_DRIVERS_MSCP_Q LOGMSCP
LOGMSCP LOGMSCP_HEADER MOV C3	00016C70-RU 00016F90-R 00018674-RX	LOGMSCP LOGMSCP_HEADER ERF SHR	

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Symbol	Value	Defined By	Referenced By ...
MOVCS	00018670-RX	ERFSHR	MSCP_INVALID_COMMAND_END_MESSAGE
MOVL	00018668-RX	ERFSHR	DISK_TAPE_DRIVERS_MSCP_Q
MSCP\$\$B_FLAGS	00012C28-R	MSCP\$\$B_FLAGS	DISK_TAPE_DRIVERS_MSCP_Q
MSCP\$\$B_OPCODE	00017D9C-R	MSCP\$\$B_OPCODE	MSCP_FIRST_TWELVE_BYTES1
MSCP\$\$K_OP_ABORT	00017084-R	MSCP\$\$K_OP_ABORT	MSCP_INVALID_COMMAND_END_MESSAGE
MSCP\$\$K_OP_ACCES	00017138-R	MSCP\$\$K_OP_ACCES	MSCP_FIRST_TWELVE_BYTES1
MSCP\$\$K_OP_ACPH	000173D8-R	MSCP\$\$K_OP_ACPH	MSCP_FIRST_TWELVE_BYTES2
MSCP\$\$K_OP_AVAIL	0001743C-R	MSCP\$\$K_OP_AVAIL	MSCP_INVALID_COMMAND_END_MESSAGE
MSCP\$\$K_OP_AVATN	000174A8-R	MSCP\$\$K_OP_AVATN	MSCP\$\$B_OPCODE_DISPATCHER
MSCP\$\$K_OP_CMPCD	00017143-R	MSCP\$\$K_OP_ACCES	MSCP\$\$B_OPCODE_DISPATCHER
MSCP\$\$K_OP_COMP	0001714E-R	MSCP\$\$K_OP_ACCES	MSCP\$\$B_OPCODE_DISPATCHER
MSCP\$\$K_OP_DTACP	00017447-R	MSCP\$\$K_OP_AVAIL	MSCP\$\$B_OPCODE_DISPATCHER
MSCP\$\$K_OP_DUPUN	000173E3-R	MSCP\$\$K_OP_ACPH	ERL\$LOGMESSAGE_DISPATCHER
MSCP\$\$K_OP_ERASE	00017159-R	MSCP\$\$K_OP_ACCES	MSCP\$\$B_OPCODE_DISPATCHER
MSCP\$\$K_OP_FLUSH	00017164-R	MSCP\$\$K_OP_ACCES	MSCP\$\$B_OPCODE_DISPATCHER
MSCP\$\$K_OP_GTCMD	0001708F-R	MSCP\$\$K_OP_ABORT	MSCP\$\$B_OPCODE_DISPATCHER
MSCP\$\$K_OP_GTUNT	0001709A-R	MSCP\$\$K_OP_ABORT	MSCP\$\$B_OPCODE_DISPATCHER
MSCP\$\$K_OP_ONLIN	0001756C-R	MSCP\$\$K_OP_ONLIN	MSCP\$\$B_OPCODE_DISPATCHER
MSCP\$\$K_OP_READ	0001716F-R	MSCP\$\$K_OP_ACCES	MSCP\$\$B_OPCODE_DISPATCHER
MSCP\$\$K_OP_REPLC	0001717A-R	MSCP\$\$K_OP_ACCES	MSCP\$\$B_OPCODE_DISPATCHER
MSCP\$\$K_OP_SEREX	00017452-R	MSCP\$\$K_OP_AVAIL	MSCP\$\$B_OPCODE_DISPATCHER
MSCP\$\$K_OP_STCON	0001764C-R	MSCP\$\$K_OP_STCON	MSCP\$\$B_OPCODE_DISPATCHER
MSCP\$\$K_OP_STUNT	00017577-R	MSCP\$\$K_OP_ONLIN	MSCP\$\$B_OPCODE_DISPATCHER
MSCP\$\$K_OP_WRITE	00017185-R	MSCP\$\$K_OP_ACCES	MSCP\$\$B_OPCODE_DISPATCHER
MSCP\$\$L_CMD_REF	0000F3AC-R	MSLG\$\$L_CMD_REF	MSCP_FIRST_TWELVE_BYTES1
MSCP\$\$L_DEV_PARM	000176E8-R	MSCP\$\$L_DEV_PARM	MSCP_INVALID_COMMAND_END_MESSAGE
MSCP\$\$L_MEDIA_ID	00017720-R	MSCP\$\$L_MEDIA_ID	MSCP\$\$K_OP_ONLIN
MSCP\$\$Q_TIME	000178AC-R	MSCP\$\$Q_TIME	MSCP\$\$K_OP_AVATN
MSCP\$\$Q_UNIT_ID	00012451-R	MSLG\$\$Q_UNIT_ID	MSCP\$\$K_OP_STCON
MSCP\$\$W_CNT_FLGS	0001795C-R	MSCP\$\$W_CNT_FLGS	MSCP\$\$K_OP_AVATN
MSCP\$\$W_COPY_SPD	000179D8-R	MSCP\$\$W_COPY_SPD	MSCP\$\$K_OP_STCON
MSCP\$\$W_HST_TMO	00017A10-R	MSCP\$\$W_HST_TMO	MSCP\$\$K_OP_ONLIN
MSCP\$\$W_MODIFIER	0001821C-R	MSCP\$\$W_MODIFIER	MSCP\$\$K_OP_STCON
MSCP\$\$W_MULT_UNT	0001255A-R	MSLG\$\$W_MULT_UNT	MSCP_FIRST_TWELVE_BYTES1
MSCP\$\$W_SHDW_UNT	00017A9C-R	MSCP\$\$W_SHDW_UNT	MSCP\$\$K_OP_AVATN
MSCP\$\$W_STATOS	00012C78-R	MSCP\$\$W_STATOS	MSCP\$\$K_OP_ONLIN
MSCP\$\$W_UNIT	000126C5-R	MSLG\$\$W_UNIT	MSCP_FIRST_TWELVE_BYTES1
MSCP\$\$W_UNT_FLGS	00017B28-R	MSCP\$\$W_UNT_FLGS	MSCP_INVALID_COMMAND_END_MESSAGE
MSCP\$\$W_VERSION	00017BA4-R	MSCP\$\$W_VERSION	MSCP_FIRST_TWELVE_BYTES1
MSCP\$\$Z_BUFFER	00017BDC-R	MSCP\$\$Z_BUFFER	MSCP_FIRST_TWELVE_BYTES2
			MSCP_INVALID_COMMAND_END_MESSAGE
			MSCP\$\$K_OP_AVATN
			MSCP\$\$K_OP_ONLIN
			MSCP\$\$K_OP_STCON
			MSCP\$\$K_OP_ACCES

Symbol	Value	Defined By	Referenced By ...
MSCP\$B_OPCODE_DISPATCHER	00012CC4-R	MSCP\$B_OPCODE_DISPATCHER	LOGMSCP
MSCP_FIRST_TWELVE_BYTES1	00017C30-R	MSCP_FIRST_TWELVE_BYTES1	MSCP_INVALID_COMMAND_END_MESSAGE MSCP\$K_OP_ABORT MSCP\$K_OP_ACCES MSCP\$K_OP_AVAIL MSCP\$K_OP_ONLIN MSCP\$K_OP_STCON
MSCP_FIRST_TWELVE_BYTES2	00017CDC-R	MSCP_FIRST_TWELVE_BYTES2	LOGMSCP MSCP\$K_OP_ACPH MSCP\$K_OP_AVATN
MSCP_INVALID_COMMAND_END_MESSAGE	00011604-R	MSCP_INVALID_COMMAND_END_MESSAGE	ERL\$LOGMESSAGE_DISPATCHER
MSCP_RESERVEDB	000184D8-R	MSCP_RESERVEDB	MSCP_FIRST_TWELVE_BYTES1 MSCP_FIRST_TWELVE_BYTES2 MSCP_FIRST_TWELVE_BYTES2
MSCP_RESERVEDL	0001851C-R	MSCP_RESERVEDL	MSCP\$K_OP_ACCES
MSCP_RESERVEDQ	00017D40-R	MSCP_RESERVEDQ	MSCP\$K_OP_ONLIN
MSCP_RESERVEDW	00013160-R	MSCP_RESERVEDW	MSCP\$K_OP_STCON MSCP_FIRST_TWELVE_BYTES1 MSCP_FIRST_TWELVE_BYTES2
MSLG\$B_CNT_HVR	000116C8-R	MSLG\$B_CNT_HVR	MSCP_INVALID_COMMAND_END_MESSAGE DISK_TAPE_TRANSFER_ERRORS
MSLG\$B_CNT_SVR	00011728-R	MSLG\$B_CNT_SVR	MSLG\$K_BUS_ADDR MSLG\$K_CNT_ERR MSLG\$K_SML_DSK SDI_STI_ERRORS
MSLG\$B_FLAGS	00011788-R	MSLG\$B_FLAGS	DISK_TAPE_TRANSFER_ERRORS MSLG\$K_BUS_ADDR MSLG\$K_CNT_ERR MSLG\$K_SML_DSK SDI_STI_ERRORS
MSLG\$B_FORMAT	00011808-R	MSLG\$B_FORMAT	DISK_TAPE_TRANSFER_ERRORS MSLG\$K_BUS_ADDR MSLG\$K_CNT_ERR MSLG\$K_SML_DSK SDI_STI_ERRORS
MSLG\$B_LEVEL	000119F4-R	MSLG\$B_LEVEL	DISK_TAPE_TRANSFER_ERRORS
MSLG\$B_RETRY	00011A2C-R	MSLG\$B_RETRY	DISK_TAPE_TRANSFER_ERRORS
MSLG\$B_UNIT_HVR	00011A64-R	MSLG\$B_UNIT_HVR	DISK_TAPE_TRANSFER_ERRORS MSLG\$K_SML_DSK SDI_STI_ERRORS
MSLG\$B_UNIT_SVR	00011AC4-R	MSLG\$B_UNIT_SVR	DISK_TAPE_TRANSFER_ERRORS MSLG\$K_SML_DSK SDI_STI_ERRORS
MSLG\$L_BUS_ADDR	00011B24-R	MSLG\$L_BUS_ADDR	MSLG\$K_BUS_ADDR
MSLG\$L_CMD_REF	0000F374-R	MSLG\$L_CMD_REF	DISK_TAPE_TRANSFER_ERRORS MSLG\$K_BUS_ADDR MSLG\$K_CNT_ERR

Symbol	Value	Defined By	Referenced By ...
MSLG\$SL_GAP_CNT	0000FB6C-R	MSLG\$SL_GAP_CNT	MSLG\$K_SML_DSK SDI_STI_ERRORS DISK_TAPE_TRANSFER_ERRORS
MSLG\$SL_HEADER	00011B74-R	MSLG\$SL_HEADER	SDI_STI_ERRORS DISK_TAPE_TRANSFER_ERRORS
MSLG\$SL_VOL_SER	00011E0C-R	MSLG\$SL_VOL_SER	SDI_STI_ERRORS DISK_TAPE_TRANSFER_ERRORS
MSLG\$SQ_CNT_ID	00011E6C-R	MSLG\$SQ_CNT_ID	MSLG\$K_SMC_DSK SDI_STI_ERRORS DISK_TAPE_TRANSFER_ERRORS
MSLG\$SQ_UNIT_ID	00011FFC-R	MSLG\$SQ_UNIT_ID	MSLG\$K_BUS_ADDR MSLG\$K_CNT_ERR MSLG\$K_SML_DSK SDI_STI_ERRORS DISK_TAPE_TRANSFER_ERRORS
MSLG\$SW_EVENT	000124C4-R	MSLG\$SW_EVENT	MSLG\$K_SMC_DSK SDI_STI_ERRORS DISK_TAPE_TRANSFER_ERRORS
MSLG\$SW_MULT_UNIT	00012518-R	MSLG\$SW_MULT_UNIT	MSLG\$K_BUS_ADDR MSLG\$K_CNT_ERR MSLG\$K_SML_DSK SDI_STI_ERRORS DISK_TAPE_TRANSFER_ERRORS
MSLG\$SW_SDE_CYL	0001259C-R	MSLG\$SW_SDE_CYL	MSLG\$K_SMC_DSK SDI_STI_ERRORS
MSLG\$SW_SEQ_NUM	000125D4-R	MSLG\$SW_SEQ_NUM	MSLG\$K_SML_DSK DISK_TAPE_TRANSFER_ERRORS
MSLG\$SW_UNIT	0001264C-R	MSLG\$SW_UNIT	MSLG\$K_BUS_ADDR MSLG\$K_CNT_ERR MSLG\$K_SML_DSK SDI_STI_ERRORS DISK_TAPE_TRANSFER_ERRORS
MSLG\$Z_SDI	00012718-R	MSLG\$Z_SDI	MSLG\$K_SMC_DSK SDI_STI_ERRORS
MSLG\$K_BUS_ADDR	0000F49C-R	MSLG\$K_BUS_ADDR	SDI_STI_ERRORS DISK_TAPE_TRANSFER_ERRORS
MSLG\$K_BUS_ADDR_AZTEC	00015268-R	MSLG\$K_BUS_ADDR_AZTEC	DISK_TAPE_DVR_MSCP_DISPATCHER
MSLG\$K_CNT_ERR	0000F5C4-R	MSLG\$K_CNT_ERR	LOGMSCP PUDRIVER_MSCP_DISPATCHER
MSLG\$K_SML_DSK	0001148C-R	MSLG\$K_SML_DSK	MSLG\$K_BUS_ADDR DISK_TAPE_DVR_MSCP_DISPATCHER
MSLG\$K_SML_DSK_AZTEC	00015474-R	MSLG\$K_SML_DSK_AZTEC	LOGMSCP PUDRIVER_MSCP_DISPATCHER
OTSS\$PO\$JJ	000186FC-RX	ATHRTL	MSLG\$K_SML_DSK
OUTPUT	00018694-RX	ERFSHR	TA78_DEVICE_DEPENDENT

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<u>Symbol</u>	<u>Value</u>	<u>Defined By</u>	<u>Referenced By ...</u>
OUTPUT_LINES	0001864C-RX	ERFSHR	MSLG\$B_FLAGS
PADRIVER_INITIALIZATION	00018684-RX	ERFSHR	MSLG\$K_BUS_ADDR_AZTEC
PADRIVER_LOGMESSAGE	0000CEF4-R	PADRIVER_LOGMESSAGE	MSLG\$K_SML_DSK_AZTEC
PROCIINIT	00000000-R	ERFPROC1VECT	RABX_STATUS
PUDRIVER_MSCP_DISPATCHER	0000ED18-R	PUDRIVER_MSCP_DISPATCHER	SA_ERROR
RA60_STATUS	000131A4-R	RA60_STATUS	STATUS
RA80_STATUS	00014A7C-R	RA80_STATUS	TUB1_SENSE_BYTES_DECODE
RA81_STATUS	00014C44-R	RA81_STATUS	TA78_DEVICE_DEPENDENT
RA8X_STATUS	00015064-R	RA8X_STATUS	PADRIVER_LOGMESSAGE
SA_ERROR	00012830-R	SA_ERROR	ERL\$LOGMESSAGE_DISPATCHER
SDI_STI_ERRORS	0000F8B0-R	SDI_STI_ERRORS	ERL\$LOGMESSAGE_DISPATCHER
			ERL\$LOGSTATUS_DISPATCHER
			MSLG\$Z_SDI
			MSLG\$Z_SDI
			MSLG\$Z_SDI
			MSLG\$Z_SDI
			DISK_TAPE_DRVR_MSCP_DISPATCHER
			LOGMSCP
			PUDRIVER_MSCP_DISPATCHER
			PADRIVER_LOGMESSAGE
			MSCP\$W_STATUS
			MSLG\$W_EVENT
			STATUS_AND_EVENT_CODES
			PADRIVER_LOGMESSAGE
			TA78_DEVICE_DEPENDENT
			MSCP\$Q_TIME
			LOGMSCP_HEADER
			MSLG\$L_VOL_SER
			SDI_STI_ERRORS
			SDI_STI_ERRORS
			SDI_STI_ERRORS
			TA78_DEVICE_DEPENDENT
			DISK_TAPE_TRANSFER_ERRORS
			PADRIVER_LOGMESSAGE
			PADRIVER_LOGMESSAGE
			PADRIVER_LOGMESSAGE
			MSLG\$K_CNT_ERR
STATUS	0000CD0C-R	STATUS	
STATUS_AND_EVENT_CODES	00016AF8-R	STATUS_AND_EVENT_CODES	
STATUS_AND_EVENT_DECODE	0000FBD8-R	STATUS_AND_EVENT_DECODE	
STR\$POSITION	000186EC-RX	LIBRTL	
SYECOM	00018708-RX	ERFCOMMON	
SYSSASCTIM	7FFFE48	SYSSP1_VECTOR	
SYSSFAO	7FFEDF50	SYSSP1_VECTOR	
TA78_DRIVE_STS_DECODE	00010HE5-R	TA78_DEVICE_DEPENDENT	
TA78_FORMATTER_STS_DECODE	000107DE-R	TA78_DEVICE_DEPENDENT	
TA78_UNSUCC_RESPONSE_DECODE	0001062C-R	TA78_DEVICE_DEPENDENT	
TRANSLATE_BITS	00018650-RX	ERFSRR	
TUB1_SENSE_BYTES_DECODE	000101B4-R	TUB1_SENSE_BYTES_DECODE	
UCB\$B_ERTCNT	00018680-RX	ERFSRR	
UCB\$B_ERTMAX	0001867C-RX	ERFSHR	
UCB\$W_ERRCNT	00018678-RX	ERFSHR	
UDA_LASTFAIL_ERROR	00012915-R	SA_ERROR	

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! Symbols By Value !  
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Value	Symbols...
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00000000	R-PROC1INIT
0000CC00	R-ERFPRC1INI
0000CC14	R-ERL\$LOGSTATUS_DISPATCHER
0000CDOC	R-STATUS
0000CEF4	R-PADRIVER_LOGMESSAGE
0000E6AC	R-FLAGS
0000E794	R-FLAGS_DS
0000E7F0	R-FLAGS_F
0000E84C	R-FLAGS_P
0000E914	R-FLAGS_PF
0000E994	R-DISK_TAPE_DRIVERS_MSCP_Q
0000EC24	R-DISK_TAPE_DRIVERS_MSCP_DQ
0000ED18	R-PUDRIVER_MSCP_DISPATCHER
0000EE94	R-DISK_TAPE_DRV_MSCP_DISPATCHER
0000F040	R-ERL\$LOGMESSAGE_DISPATCHER
0000F374	R-MSLG\$SL_CMD_REF
0000F3AC	R-MSCP\$SL_CMD_REF
0000F3E4	R-ERLLOGMSG
0000F40F	R-ERLLOGMSG2
0000F49C	R-MSLG\$K_BUS_ADDR
0000F5C4	R-MSLG\$K_CNT_ERR
0000F6E8	R-DISK_TAPE_TRANSFER_ERRORS
0000F880	R-SDI_STI_ERRORS
0000FAAC	R-FORMATTER_VERSIONS
0000FB6C	R-MSLG\$SL_GAP_CNT
0000FBD8	R-STATUS_AND_EVENT_DECODE
00010164	R-TUB1_SENSE_BYTES_DECODE
0001062C	R-TA78_UNSUCC_RESPONSE_DECODE
000107DE	R-TA78_FORMATTER_STS_DECODE
00010BE5	R-TA78_DRIVE_STS_DECODE
0001148C	R-MSLG\$K_SML_DSK
00011604	R-MSCP_INVALID_COMMAND_END_MESSAGE
000116C8	R-MSLG\$SB_CNT_HVR
00011728	R-MSLG\$SB_CNT_SVR
00011788	R-MSLG\$SB_FLAGS
00011808	R-MSLG\$SB_FORMAT
000119F4	R-MSLG\$SB_LEVEL
00011A2C	R-MSLG\$SB_RETRY
00011A64	R-MSLG\$SB_UNIT_HVR
00011AC4	R-MSLG\$SB_UNIT_SVR
00011B24	R-MSLG\$SL_BUS_ADDR
00011B74	R-MSLG\$SL_HEADER
00011BAE	R-DISK_HEADER
00011E0C	R-MSLG\$SL_VOL_SER
00011E6C	R-MSLG\$SQ_CNT_ID
00011E80	R-CDD\$SQ_CNTRID
00011FFC	R-MSLG\$SB_UNIT_ID
00012451	R-MSCP\$SQ_UNIT_ID
000124C4	R-MSLG\$SW_EVENT

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Value	Symbols...
000124FE	R-AZTEC_FULL_ERROR_CODE1
00012518	R-MSLG\$SW_MULT_UNIT
0001255A	R-MSCP\$SW_MULT_UNIT
0001259C	R-MSLG\$SW_SDE_CYL
000125D4	R-MSLG\$SW_SEQ_NUM
0001264C	R-MSLG\$SW_UNIT
000126C5	R-MSCP\$SW_UNIT
00012718	R-MSLG\$SZ_SDI
00012830	R-SA_ERROR
00012915	R-UDA_LASTFAIL_ERROR
00012A2C	R-GENERIC_SDI
00012C28	R-MSCP\$SB_FLAGS
00012C78	R-MSCP\$SW_STATUS
00012CC4	R-MSCP\$B_OPCODE_DISPATCHER
00013160	R-MSCP_RESERVEDR
000131A4	R-RA60_STATUS
00014A7C	R-RAB0_STATUS
00014C44	R-RAB1_STATUS
00015064	R-RABX_STATUS
00015268	R-MSLG\$K_BUS_ADDR_AZTEC
00015474	R-MSLG\$K_SML_DSK_AZTEC
00016AF8	R-STATUS_AND_EVENT_CODES
00016C70	R-LOGMSCP
00016F90	R-LOGMSCP_HEADER
00017084	R-MSCP\$SK_OP_ABORT
0001708F	R-MSCP\$SK_OP_GTCMD
0001709A	R-MSCP\$SK_OP_GTUNT
000170DB	R-INVALID_MSCP\$SK_OP_ABORT
000170E6	R-INVALID_MSCP\$SK_OP_GTCMD
000170F1	R-INVALID_MSCP\$SK_OP_GTUNT
00017138	R-MSCP\$SK_OP_ACCES
00017143	R-MSCP\$SK_OP_CMPCD
0001714E	R-MSCP\$SK_OP_COMP
00017159	R-MSCP\$SK_OP_ERASE
00017164	R-MSCP\$SK_OP_FLUSH
0001716F	R-MSCP\$SK_OP_READ
0001717A	R-MSCP\$SK_OP_REPLC
00017185	R-MSCP\$SK_OP_WRITE
000171C6	R-INVALID_MSCP\$SK_OP_ACCES
000171D1	R-INVALID_MSCP\$SK_OP_CMPCD
000171DC	R-INVALID_MSCP\$SK_OP_COMP
000171E7	R-INVALID_MSCP\$SK_OP_ERASE
000171F2	R-INVALID_MSCP\$SK_OP_FLUSH
000171FD	R-INVALID_MSCP\$SK_OP_READ
00017208	R-INVALID_MSCP\$SK_OP_REPLC
00017213	R-INVALID_MSCP\$SK_OP_WRITE
000173D8	R-MSCP\$SK_OP_ACPTH
000173E3	R-MSCP\$SK_OP_DUPUN
00017424	R-INVALID_MSCP\$SK_OP_ACPTH
0001742F	R-INVALID_MSCP\$SK_OP_DUPUN
0001743C	R-MSCP\$SK_OP_AVAIL
00017447	R-MSCP\$SK_OP_DTACP

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<u>Value</u>	<u>Symbols...</u>
00017452	R-MSCPSSK_OP_SEREX
00017493	R-INVALID_MSCPSSK_OP_AVAIL
0001749E	R-INVALID_MSCPSSK_OP_DTACP
000174A8	R-MSCPSSK_OP_AVATN
000174EA	R-INVALID_MSCPSSK_OP_AVATN
0001756C	R-MSCPSSK_OP_ONLIN
00017577	R-MSCPSSK_OP_STUNT
00017588	R-INVALID_MSCPSSK_OP_ONLIN
000175C3	R-INVALID_MSCPSSK_OP_STUNT
0001764C	R-MSCPSSK_OP_STCON
0001768D	R-INVALID_MSCPSSK_OP_STCON
000176E8	R-MSCPSSL_DEV_PARM
00017720	R-MSCPSSL_MEDIA_ID
000178AC	R-MSCPSSQ_TIME
0001795C	R-MSCPSSW_CNT_FLGS
000179D8	R-MSCPSSW_COPY_SPD
00017A10	R-MSCPSSW_HST_TMO
00017A9C	R-MSCPSSW_SHDW_UNT
00017B28	R-MSCPSSW_UNT_FLGS
00017BA4	R-MSCPSSW_VERSION
00017BDC	R-MSCPSSZ_BUFFER
00017C30	R-MSCP_FIRST_TWELVE_BYTES1
00017CDC	R-MSCP_FIRST_TWELVE_BYTES2
00017D40	R-MSCP_RESERVEDQ
00017D9C	R-MSCPSSB_OPCODE
0001821C	R-MSCPSSW_MODIFIER
000184D8	R-MSCP_RESERVEDB
0001851C	R-MSCP_RESERVEDL
00018648	RX-CALC_MAP
0001864C	RX-OUTPUT_LINES
00018650	RX-TRANSLATE_BITS
00018654	RX-DUMPREG
00018658	RX-DHEAD3
0001865C	RX-HEADER3
00018660	RX-ERLLOGSTS2
00018664	RX-HEADER2
00018668	RX-MOVL
0001866C	RX-INSQUE
00018670	RX-MOVCS
00018674	RX-MOVCS
00018678	RX-UCBSW_ERRCNT
0001867C	RX-UCBSB_ERTMAX
00018680	RX-UCBSB_ERTCNT
00018684	RX-PADRIVER_INITIALIZATION
00018688	RX-FRCTOF
0001868C	RX-COMPRESS4
00018690	RX-LINCHK
00018694	RX-OUTPUT
00018698	RX-COMPRESSC
0001869C	RX-ERLLOGSTS
000186A0	RX-GET_CURRENT_LABEL
000186A4	RX-INTERVENE_DECREMENT

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Value	Symbols...
000186A8	RX-HEAD2
000186AC	RX-LOGGER
000186B0	RX-HEADER
000186BC	RX-FORSIO_L_V
000186C0	RX-FORSIO_X_NL
000186C4	RX-FORSIO_L_R
000186C8	RX-FORSIO_W_R
000186CC	RX-FORSIO_B_R
000186D0	RX-FORSWRITE_SF
000186D4	RX-FORSIO_T_DS
000186D8	RX-FORSIO_END
000186E4	RX-LIBSSIGNAL
000186E8	RX-LIBSGET_VM
000186EC	RX-STR\$POSITION
000186F0	RX-LIB\$EXTZV
000186FC	RX-OTSSPOWJJ
00018708	RX-SYECOM
0001870C	RX-EMB
7FFED48	SYSSASCTIM
7FFEDF50	SYSSFAO

Key for special characters above:

- \* - Undefined
- U - Universal
- R - Relocatable
- X - External

.....

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

Virtual memory allocated: 00000000 0001ABFF 0001AC00 (109568. bytes, 214. pages)  
 Stack size: 0. pages  
 Image header virtual block limits: 1. 1. ( 1. block)  
 Image binary virtual block limits: 2. 97. ( 96. blocks)  
 Image name and identification: ERFPROC1 V04-000  
 Number of files: 11.  
 Number of modules: 91.  
 Number of program sections: 24.  
 Number of global symbols: 1037.  
 Number of cross references: 883.  
 Number of image sections: 20.  
 User transfer address: 00000000  
 Number of address fixups: 2163.  
 Number of code references to shareable images: 42.  
 Image type: PIC, SHAREABLE. Global Section Match=LESS/EQUAL, Ident, Major=1, Minor=0  
 Map format: FULL WITH CROSS REFERENCE in file \_\$255\$DUA18:[ERF.LIS]ERFPROC1.MAP;1  
 Estimated map length: 249. blocks

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

Performance Indicators	Page Faults	CPU Time	Elapsed Time
-----	-----	-----	-----
Command processing:	173	00:00:01.18	00:00:02.13
Pass 1:	512	00:00:03.21	00:00:08.07
Allocation/Relocation:	45	00:00:00.17	00:00:00.41
Pass 2:	412	00:00:05.12	00:00:10.76
Map data after object module synopsis:	30	00:00:02.17	00:00:02.63
Symbol table output:	4	00:00:00.04	00:00:00.18
Total run values:	1176	00:00:11.89	00:00:24.18

Using a working set limited to 2100 pages and 594 pages of data storage (excluding image)

Total number object records read (both passes): 2175  
of which 1047 were in libraries and 287 were DEBUG data records containing 14423 bytes

Number of modules extracted explicitly = 85  
with 1 extracted to resolve undefined symbols

2 library searches were for symbols not in the library searched

A total of 5 global symbol table records was written

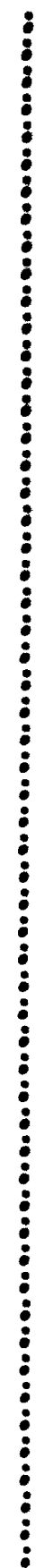
LINK/USERLIB=PROC/NOTRACE/MAP=MAPS:ERFPROC1/FULL/CROSS/SHARE=EXES:ERFPROC1 LIBS:ERF/INCLUDE=(ERFPROC1VECT,ERFPROC1INI,ERL\$LOGSTATUS\_D  
 ISPATCHER,STATUS,PADRIVER,LOGMESSAGE,FLAGS,FLAGS\_DS,FLAGS\_F,FLAGS\_P,FLAGS\_PF,DISK TAPE DRIVERS MSCP\_Q,PUDRIVER,MSCP\_DISPATCER,DISK\_  
 TAPE\_DVR,MSCP\_DISPATCER,ERL\$LOGMESSAGE\_DISPATCER,MSLG\$\$\_L\_CMD\_REF),COMS:PROC1/OPT,LOGSTS/OPTIONS,PS\$CTATTR/OPT  
 LIBS:ERF/Includ=(erllogmsg, -  
 mslg\$\$\_k\_bus\_addr, mslg\$\$\_k\_cnt\_err, disk\_tape\_transfer\_errors, -  
 sdi\_stt\_errors, formatter\_versions, mslg\$\$\_t\_gap\_cnt, status\_and\_event\_decode, -  
 tu8t\_sense\_bytes\_decode, fa78\_device\_dependent, -  
 mslg\$\$\_k\_sml\_dsk, mscp\_invalid\_command\_end\_mesage, mslg\$\$\_b\_cnt\_hvr, -

```

mslg$$b_cnt_svr, mslg$$b_flags, mslg$$b_format, mslg$$b_level, -
mslg$$b_retry, mslg$$b_unit_fvr, mslg$$b_unit_svr, mslg$$l_bus_addr, -
mslg$$l_header, mslg$$t_vol_ser, mslg$$q_cnt_id, mslg$$g_unit_id, -
mslg$$w_event, mslg$$w_mult_unt, mslg$$w_sde_cyl, mslg$$w_seq_num, -
mslg$$w_unit, mslg$$z_sdi, sa_error, generic_sdi, mscp$$b_flags, -
mscp$$w_status, mscp$$b_opcode_dispatcher, mscp_reservedw, ra60_status, -
ra80_status, ra81_status, ra8x_status, mslg$$k_bus_addr_aztec, -
mslg$$k_sml_dsk_aztec, status and event codes, logmscp, logmscp header)
LIBS:ERF/inclu=(MSCP$$K_OP_ABORT, MSCP$$K_OP_ACCESS, MSCP$$K_OP_ACPTH, -
MSCP$$K_OP_AVAIL, MSCP$$K_OP_AVATN, MSCP$$K_OP_ONLIN, MSCP$$K_OP_SICON, -
MSCP$$L_DEV_PARM, MSCP$$L_MEDIA_ID, MSCP$$Q_TIME, MSCP$$W_CNT_FLGS, -
MSCP$$W_COPY_SPD, MSCP$$W_HST_TMO, MSCP$$W_SHDW_UNT, MSCP$$W_UNT_FLGS, -
MSCP$$W_VERSION, MSCP$$Z_BUFFER, MSCP_FIRST_TWELVE_BYTES1, -
MSCP_FIRST_TWELVE_BYTES2, MSCP_RESERVEDQ, MSCP$$B_OPCODE, MSCP$$W_MODIFIER, -
MSCP_RESERVEDB, MSCP_RESERVEDL)
EXES:erfshr.exe/share
EXES:erfcommon.exe/share
gsmatch=lequal,1,0
psect_attr=$blank,noshr
psect_attr=$pdata,noshr
psect_attr=$code,noshr
psect_attr=deychar,noshr
psect_attr=dr32,noshr
psect_attr=emb,noshr
psect_attr=erfcom,noshr
psect_attr=mode,noshr
psect_attr=mrd,noshr
psect_attr=opcode,noshr
psect_attr=qiocommon,noshr
psect_attr=sa,noshr
psect_attr=syecom,noshr
psect_attr=trans_addr,noshr
psect_attr=tables,noshr
psect_attr=_lib$code,noshr
psect_attr=_img$code,noshr

```

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0441 AH-EF71A-SE  
VAX/VMS V4.1 SRC LST MCRF UPD

A dense grid of source code listings for various VAX/VMS components. The grid is organized into several distinct sections:

- VAXARITH LIS**: Located in the upper-middle section, containing arithmetic-related source code.
- EMULAT**: Located in the middle section, likely related to emulation.
- VAXEMUL MAP**: Located in the middle section, likely a mapping file for emulation.
- ERFPROC1 MAP**: Located in the middle-right section, likely a mapping file for error reporting.
- ERF** and **ERF MAP**: Located in the lower-middle section, related to error reporting.
- RESELECT LIS**: Located in the lower-right section, likely related to file selection.

The majority of the grid cells contain dense, multi-line source code listings, including comments and code blocks. The text is small and tightly packed, typical of a printed source code listing.