

OPTIONS NODECK,LIST,XREF,NOREL,OBJ(P)

THE LIST OF OPTIONS USED DURING THIS ASSEMBLY IS-- NODECK,LIST,XREF,NOREL,OBJ

EXTERNAL SYMBOL LIST

SYMBOL TYPE

#KSETI MODULE

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ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER	15	MOD	00	09/06/21	PAGE	2
				0000		1 #KSETI	START 0							
					2		PRINT ON,NODATA							
					3 *	@SYS	EXP-N							
				214+		PRINT	ON							
				215 *		@FXD	EXP-N							
				620+		PRINT	ON							
				621 *		@CAN	EXP-N							
				724+		PRINT	ON							
				725 *		@ERM	EXP-N							
				1347+		PRINT	ON							
				1348 *		@SPF	EXP-N							
				1811+		PRINT	ON							
				1812 *		@DIR	EXP-N							
				1932+		PRINT	ON							
				1933 *		@VOL	EXP-N							
				1971+		PRINT	ON							
				1972 *		@HDW	EXP-N							
				2157+		PRINT	ON							
				2158 *		@B@E	EXP-N							
				3058+		PRINT	ON							
				3059 *		\$I\$E	EXP-N							
				3213+		PRINT	ON							

\$I\$EQ - S/3 BASIC INTERPRETER FIXED ADDRESS EQUATES

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#KSETI - SET COMMAND ROUTINE

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3216 ****
3217 * 5703-XM1      COPYRIGHT IBM CORP. 1970 *
3218 *          REFER TO INSTRUCTIONS ON COPYRIGHT NOTICE, 120-2083 *
3219 *
3220 ****
3221 *STATUS -
3222 *    VERSION 1 MODIFICATION 0 *
3223 *
3224 *FUNCTION -
3225 *    * SYNTAX CHECK THE SET COMMAND LINE IN THE PRIMARY INPUT BUFFER A *
3226 *        TO ASSURE PROPER SYNTAX FOR SET OVERLAY, KSOVRL *
3227 *        * PERFORM INITIALIZATION OPERATIONS TO LOAD THE OVERLAY *
3228 *
3229 *ENTRY POINTS -
3230 *    * KSETIT HAS ONLY ONE ENTRY POINT, KSETIT, THE FIRST EXECUTABLE *
3231 *        INSTRUCTION. KSETIT IS ENTERED THROUGH THE COMMAND ANALYSER. *
3232 *
3233 *INPUT -
3234 *    * PRIMARY INPUT BUFFER - 256 BYTES, CONTAINS THE SET COMMAND *
3235 *        LINE AS ENTERED. *
3236 *    * SYMBOL AND ARRAY TABLES:
3237 *        * LETTER VARIABLE TABLE (LVT) - 58 BYTES, 29 2-BYTE ENTRIES *
3238 *        * LETTER DIGIT (LDT) - 580 BYTES, 290 2-BYTE ENTRIES *
3239 *        * CHARACTER VARIABLE TBL (CVT) - 58 BYTES, 29 2-BYTE ENTRIES *
3240 *        * ARITHMETIC ARRAY TABLE (NAT) - 58 BYTES, 29 2-BYTE ENTRIES *
3241 *        * CHARACTER ARRAY TABLE (CAT) - 58 BYTES, 29 2-BYTE ENTRIES *
3242 *        * $XRSRV - 2 BYTES, CONTAINS THE CORE ADDRESS OF THE CHARACTER *
3243 *        IMMEDIATELY FOLLOWING KEYWORD SET. *
3244 *
3245 *OUTPUT -
3246 *    * SYMBOL AND ARRAY TABLES - FORMAT (SEE INPUT) *
3247 *    * PRIMARY INPUT BUFFER - PROPER SYNTAX ASSURED *
3248 *    * SET COMMON PARAMETER BLOCK - 256 BYTES *
3249 *
3250 *EXTERNAL REFERENCES -
3251 *    $XRSRV - COMMAND LINE POINTER SAVE AREA *
3252 *    $XINDI - SYSTEM EXECUTION INDICATOR *
3253 *    $DISKN - SYSTEM DISK IOCR *
3254 *    SRLOAD - SYSTEM LOADER ENTRY *
3255 *    SCAERK - SYSTEM ERROR MESSAGE ROUTINE *
3256 *    $CAERR - SCAERK ERROR CODE PARAMETER *
3257 *    SCANIT - COMMAND LINE DELIMITER SCAN ROUTINE *
3258 *    KSOVRL - SET EXECUTION ROUTINE *
3259 *
3260 *EXITS, NORMAL -
3261 *    * KSETIT HAS ONLY 1 NORMAL EXIT *
3262 *        $RLOAD - AFTER PROPER SYNTAX HAS BEEN ASSURED *
3263 *
3264 *EXITS, ERROR -
3265 *    SCAERK - WITH ERROR CODES *
3266 *    @@E112 - <AR1TWIETK CONSTANT> CONTAINS 2 DECIMAL POINTS *
3267 *    @@E113 - DECIMAL POINT WITHOUT <ARITHMETIC CONSTANT> *
3268 *    @@E114 - INCOMPLETE <CHARACTER CONSTANT> *
3269 *    @@E115 - INVALID <SYSTEM CONSTANT> *
3270 *    @@E116 - VARIABLE IS NOT FOLLOWED BY A COMMA OR EQUAL SIGN *
3271 *    @@E117 - INVALID EXPONENT IN CONSTANT *

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#KSETI - SET COMMAND ROUTINE

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	3272 *	@@E130 - REQUIRED PARAMETER MISSING	*
	3273 *	@@E133 - TOO MANY <PARAMETERS>	*
	3274 *	@@E139 - INVALID <DELIMETER>	*
	3275 *	@@E150 - INVALID BASIC VARIABLE	*
	3276 *	@@E151 - VARIABLE SUBSCRIPT NOT AN INTEGER	*
	3277 *	@@E160 - MIXED DATA TYPE IN ASSIGNMENT	*
	3278 *		*
	3279 *	TABLES/WORK AREAS -	*
	3280 *	* PRIMARY INPUT BUFFER	*
	3281 *	* THE CONSTANTS AND WORK AREAS RESIDE AT THE END OF THE EXECUTABLE*	*
	3282 *	CODE IN THE SET COMMON PARAMETER BLOCK. THEY ARE REFERENCED	*
	3283 *	BY @BR	*
	3284 *		*
	3285 *	ATTRIBUTES -	*
	3286 *	N/A	*
	3287 *		*
	3288 *	CHARACTER CODE DEPENDENCY -	*
	3289 *	* THE OPERATION OF THIS MODULE DEPENDS UPON THE FOLLOWING	*
	3290 *	PROPERTIES OF THE INTERNAL REPRESENTATION OF THE EXTERNAL	*
	3291 *	CHARACTER SET	*
	3292 *	* MOST CODING HAS BEEN ARRANGED SO THAT REDEFINITION OF	*
	3293 *	CHARACTER CONSTANTS, BY REASSEMBLY, WILL RESULT IN A CORRECT	*
	3294 *	MODULE FOR THE NEW DEFINITION	*
	3295 *	* ALPHABETIC LETTERS A THROUGH Z ARE PRESUMED TO BE CODED IN	*
	3296 *	INCREASING COLLATING SEQUENCE, AND THE RANGE OF CHARACTER	*
	3297 *	CONSTANTS FOR THIS SERIES IS EXPECTED TO EXCLUDE ALL NUMERIC	*
	3298 *	CHARACTER CONSTANTS	*
	3299 *	* NUMERIC CHARACTERS 0 - 9 ARE PRESUMED TO BE CODED IN	*
	3300 *	INCREASING COLLATING SEQUENCE	*
	3301 *	* EXTENDED ALPHABETIC LETTERS (S.O.B) ARE PRESUMED TO BE	*
	3302 *	IN INCREASING COLLATING SEQUENCE, AND ARE ALL EXPECTED TO	*
	3303 *	COLLATE LOWER THAN LETTER (A)	*
	3304 *	* DECIMAL NUMBERS MUST BE CODED SO THAT THE LOW ORDER FOUR	*
	3305 *	BITS. WHEN CONSIDERED AS A BINARY INTEGER, IDENTIFY THE	*
	3306 *	VALUE OF THE DIGIT	*
	3307 *	THE SPECIFIC INSTRUCTIONS (INSTRUCTION SEQUENCES) WHICH REQUIRE	*
	3308 *	MODIFICATION IF THESE PROPERTIES OF THE CHARACTER SET ARE CHANGED	*
	3309 *	MAY BE IDENTIFIED BY -	*
	3310 *	* INSTRUCTION SEQUENCES AT LABELS KSE025 AND KSE030	*
	3311 *	* THE TABLE IDENTIFIED BY LABEL KSEATB	*
	3312 *		*
	3313 *	NOTES -	*
	3314 *	ERROR PROCEDURES	*
	3315 *	* ERROR CODE IS SET AT \$CAERR	*
	3316 *	* @XR IS LEFT POINTING TO THE ERROR BYTE IN THE PRIMARY	*
	3317 *	INPUT BUFFER	*
	3318 *		*
	3319 *	REGISTER USAGE	*
	3320 *	* BOTH REGISTERS ARE USED DURING EXECUTION	*
	3321 *	* THE REGISTERS ARE NOT SAVED OR RESTORED	*
	3322 *		*
	3323 *	SAVED/RESTORED AREAS	*
	3324 *	NONE	*
	3325 *		*
	3326 *	MODIFICATION CONSIDERATIONS	*
	3327 *	KSETIT IS ORIGINATED SO THAT THE SET COMMON PARAMETER AREA	*

#KSETI - SET COMMAND ROUTINE

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3328 *	WILL START AT CORE ADDRESS X'1120'	*
3329 *		*
3330 *	REQUIRED MODULES	*
3331 *	@SYSEQ - COMMON SYSTEM EQUATES	*
3332 *	@FXDEO - SYSTEM NUCLEUS ADDRESSES AND INDICATORS	*
3333 *	@CANEQ - SYSTEM LOCATION EQUATES	*
3334 *	@ERMEQ - GENERAL ERROR MESSAGE EQUATES	*
3335 *	@SPFEQ - SYSTEM PROG FILE EQUATES	*
3336 *	\$B\$EQU - COMPILER FIXED EQUATES	*
3337 *	\$B@EQU - COMPILER SYSTEM EQUATES	*
3338 *	\$I\$EQU - INTERPRETER FIXED EQUATES	*
3339 *	SCANIT - COMMAND LINE DELIMETER SCAN ROUTINE	*
3340 *		*
3341 *	OTHER	*
3342 *	NONE	*
3343 *****		

#KSETI - SET COMMAND ROUTINE

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		3345	*	HDR #KSETI	
		3346	*****	*****	*****
		3347	*	PROGRAM HEADER FOR DISK LOAD	
		3348	*****	*****	*****
		3349	*#SKSET EQU	X'0680'	DISK ADDR OF #KSETI
		3350	*#\$KSE EQU	X'0E00'	CORE LOAD ADDRESS OF #KSETI
	OE00	3351	*#\$@KSE EQU	004	SECTOR CNT OF #KSETI
		3352	ORG	#\$KSE	CORE LOAD ADDRESS
	OE00 7BD2E2C5E3C9	0E00	3353	\$\$\$\$\$\$ EQU *	FIRST LOCATION IN PROGRAM
		0E05	3354	DC CL6 '#KSETI'	PROGRAM NAME
	OE06 29	0E06	3355	DC IL1 '041'	PROGRAM NUMBER OF #KSETI
		0E07	3356	\$KSETI EQU *	ENTRY POINT TO PROGRAM
		3357	*** END OF EXPANSION ***		
		3358	*		
		3359	*****	*****	*****
		3360	*		*
		3361	* KSETIT ENTRY AND REGISTER OPERATIONS		*
		3362	*		*
		3363	*****	*****	*****
		3364	*		
		0E07	3365	KSETIT EQU *	KSETIT ENTRY
	OE07 C2 01 1120	1120	3366	USING KSEEQU,@BR	SET BASE ADDR
			3367	LA KSEEQU,@BR	LOAD KSETIT BASE
		3368	*		
			3369	* TEST FOR PROGRAM PRECISION	
			3370	*	
	0E0B 38 40 03D0		3371	KSE005 TBN \$XIND1,\$XPREC	IS IT LONG PREC ?
	0EOF F2 90 18		3372	JF KSE010	NO, PROCESS AS SHORT
			3373	*	
			3374	* SET LONG PRECISION LENGTHS IN PRECISION SENSITIVE INSTRUCTIONS	
			3375	*	
	0E12 1C 04 0F8F 10		3376	KSE007 MVC KSE135+@OP2,KSEMC1(@INST6-1,@BR)	SET THE INTERNAL
	0E17 1C 04 0FA2 15		3377	MVC KSE145+@OP2,KSEMC2(@INST6-1,@BR)	* CONSTANT RTN TO MOVE
	0E1C 1C 04 0FBA 1A		3378	MVC KSE155+@OP2,KSEMC3(@INST6-1,@BR)	* THE LONG PREC VALUES
	0E21 7C 09 70		3379	MVI KSEELL(,@BR),B@LILP	SET LONG ELEMENT LENGTH
	0E24 7C 0F 71		3380	MVI KSEEND(,@BR),B@LELP-1	SET MANTISSA LENGTH LONG
	0E27 7C 20 74		3381	MVI KSECBO(,@BR),B@PREC	SET STATUS BYTE TO LONG PREC
			3382	*	
			3383	* SET LINE POINTER TO BYTE FOLLOWING KEYWORD 'SET' AND TEST FOR A	
			3384	* BLANK AS A DELIMITER.	
			3385	*	
	0E2A 35 02 03C7		3386	KSE010 L \$XRSAV,@XR	CADDR BYTE AFTER 'SET'
	0E2E BD 40 00		3387	CLI KSEPD0(,@XR),B@BLNK	IS BYTE A BLANK ?
	0E31 3C 18 03CD		3388	MVI \$CAERR,@@E139	SET ERROR CODE
	0E35 C0 01 0469		3389	BNE \$CAERK	NO, SET ERROR CODE
			3390	*	
			3391	* INCREMENT LINE POINTER TO FIRST NON-BLANK BYTE	
			3392	*	
	0E39 C0 87 1032		3393	KSE015 B SCANIT	INCR LINE PT
			3394	*	
			3395	* TEST FOR EOS	
			3396	*	
	0E3D BD 1E 00		3397	CLI 0(,@XR),B@EOST	AT EOS ?
	0E40 3C 10 03CD		3398	MVI \$CAERR,@@E130	SET ERROR CODE
	0E44 C0 81 0469		3399	BE \$CAERK	YES, TO ERROR ROUTINE
			3400	*	

#KSETI - SET COMMAND ROUTINE

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			3401	* SAVE THE CURRENT CHARACTER CORE ADDRESS	
			3402	*	
0E48	34 02 1185		3403	KSE020 ST KSEVAD,@XR	SAVE CHARACTER CADDR
			3404	*	
			3405	* TEST BYTE FOR A LETTER	
			3406	*	
0E4C	BD C1 00		3407	KSE025 CLI KSEPD0(,@XR),@CHARA	IF BYTE IS IN THE STANDARD
0E4F	F2 82 06		3408	JL KSE030	* ALPHABET, GO INCREMENT
0E52	BD E9 00		3409	CLI KSEPD0(,@XR),@CHARZ	* LINE PT TO THE NEXT
0E55	F2 04 17		3410	JNH KSE035	* CHARACTER
0E58	BD 7B 00		3411	KSE030 CLI KSEPD0(,@XR),@NUMBR	TEST FOR SPECIAL ALPHABETIC
0E5B	F2 81 11		3412	JE KSE035	* CHARACTERS; IF NOT EQUAL
0E5E	BD 7C 00		3413	CLI KSEPD0(,@XR),@ASIGN	* TO ANY, EXIT TO KSETIT
0E61	F2 81 0B		3414	JE KSE035	* ERROR ROUTINE TO SET ERROR
0E64	BD 5B 00		3415	CLI KSEPD0(,@XR),@DOLAR	* CODE FOR INVALID
0E67	3C 1B 03CD		3416	MVI \$CAERR,@@E150	SET ERROR CODE
0E6B	C0 01 0469		3417	BNE \$CAERK	* BASIC IDENTIFIER
			3418	*	
			3419	* INCREMENT LINE PT TO NEXT CHARACTER	
			3420	*	
0E6F	76 02 03		3421	KSE035 A KSEI01(,@BR),@XR	INCR TO NEXT BYTE
			3422	*	
			3423	* TEST FOR A LETTER-DIGIT VARIABLE REFERENCE	
			3424	*	
0E72	BD F0 00		3425	KSE040 CLI KSEPD0(,@XR),B@DEC0	IS BYTE A DIGIT ?
0E75	F2 02 4E		3426	JNL KSE078	YES, TO ARITH ASSIGN SCAN
0E78	7C 00 5E		3427	MVI KSECRS(,@BR),KSEOFF	SET CHAR REF SW OFF
0E7B	7C 00 5F		3428	MVI KSESTS(,@BR),KSEOFF	SET SUBSC TERM SW OFF
			3429	*	
			3430	* TEST FOR A CHARACTER VARIABLE OR ARRAY REFERENCE	
			3431	*	
0E7E	BD 5B 00		3432	KSE045 CLI KSEPD0(,@XR),B@CVAR	IF BYTE DOES NOT DENOTE CHAR
0E81	F2 01 09		3433	JNE KSE060	* VAR TEST FOR ARITH ARRAY
			3434	*	
			3435	* PREPARE FOR CHARACTER ARRAY	TEST
			3436	*	
0E84	7C 01 5E		3437	KSE050 MVI KSECRS(,@BR),KSEONN	SET CHAR REF SW ON
0E87	7C 01 5F		3438	MVI KSESTS(,@BR),KSEONN	SET SUBSC TERM SW ON
0E8A	76 02 03		3439	A KSEI01(,@BR),@XR	INCR TO NEXT BYTE
			3440	*	
			3441	* TEST FOR AN ARRAY REFERENCE	
			3442	*	
0E8D	BD 4D 00		3443	KSE060 CLI KSEPD0(,@XR),B@LPAR	BYTE A LEFT PAREN
0E90	F2 01 36		3444	JNE KSE080	NO, GO TO NEXT NON-BLANK BYTE
			3445	*	
			3446	* TEST ARRAY REFERENCE FOR PROPER SUBSCRIPTING	
			3447	*	
0E93	76 02 03		3448	KSE065 A KSEI01(,@BR),@XR	INCR TO NEXT BYTE
0E96	BD F0 00		3449	CLI KSEPD0(,@XR),B@DEC0	IF BYTE IS NOT A DIGIT.
0E99	3C 1C 03CD		3450	MVI \$CAERR,@@E151	SET ERROR CODE
0E9D	C0 82 0469		3451	BL \$CAERK	* EXIT TO THE ERROR RTN
0EA1	76 02 03		3452	KSE070 A KSEI01(,@BR),@XR	INCR TO NEXT BYTE
0EA4	BD F0 00		3453	CLI KSEPD0(,@XR),B@DEC0	IF BYTE IS A DIGIT. INCR
0EA7	C0 02 0EA1		3454	BNL KSE070	* TO NEXT BYTE AND TEST IT
			3455	*	
0EAB	BD 5D 00		3456	KSE072 CLI KSEPD0(,@XR),B@RPAR	END OF SUBSCRIPT

#KSETI - SET COMMAND ROUTINE

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0EAE F2 81 15	3457	JE	KSE078	YES, GO INCR TO NEXT BYTE
0EB1 7D 01 5F	3458	KSE074	CLI KSESTS(,@BR),KSEONN	IF SUBSCRIPT TERM SW IS ON
0EB4 C0 81 0469	3459	BE	\$CAERK	* EXIT TO ERROR RTN
0EB8 BD 6B 00	3460	KSE076	CLI KSEPDO(,@XR),B@CMMA	IS THERE A SECOND SUBSC
0EBB C0 01 0469	3461	BNE	\$CAERK	NO, EXIT TO ERROR RTN
0EBF 7C 01 5F	3462	MVI	KSESTS(,@BR),KSEONN	SET SUBSC TERM SW ON
0EC2 C0 87 0E93	3463	B	KSE065	RECYCLE SUBSC LOOP
	3464	*		
	3465	*	INCREMENT PAST RIGHT PAREN	
	3466	*		
0EC6 76 02 03	3467	KSE078	A KSEI01(,@BR),@XR	INCR TO NEXT BYTE
	3468	*		
	3469	*	INCREMENT LINE POINTER TO NEXT NON-BLANK BYTE	
	3470	*		
0EC9 C0 87 1032	3471	KSE080	B SCANIT	TO NON-BLANK BYTE
	3472	*		
	3473	*	INCREMENT PAST THE EQUAL SIGN	
	3474	*		
0ECD BD 7E 00	3475	KSE085	CLI KSEPDO(,@XR),B@EQUL	AT THE EQUAL SIGN
0ED0 3C 09 03CD	3476	MVI	\$CAERR,@@E116	SET ERROR CODE
0ED4 C0 01 0469	3477	BNE	\$CAERK	NO, EXIT TO ERROR RTN
0ED8 76 02 03	3478	A	KSEI01(,@BR),@XR	INCR PAST EQUAL SIGN
	3479	*		
	3480	*	INCREMENT THE LINE POINTER	TO THE CONSTANTS 1ST CHARACTER
	3481	*		
0EDB C0 87 1032	3482	KSE090	B SCANIT	INCR TO NEXT NON-BLANK BYTE
	3483	*		
	3484	*	TEST FOR A CHARACTER CONSTANT	
	3485	*		
0EDF 7D 01 5E	3486	KSE092	CLI KSECRS(,@BR),KSEONN	IS CHAR REF SW ON ?
0EE2 F2 81 DC	3487	JE	KSE160	YES, PROCESS CHAR REF
	3488	*		
	3489	*****	*****	*****
	3490	*		*
	3491	*	ARITHMETIC CONSTANT SYNTAX CHECKING ROUTINE	*
	3492	*		*
	3493	*****	*****	*****
	3494	*		
	3495	*	TEST FOR A POSSIBLE INTERNAL CONSTANT	
	3496	*		
0EE5 BD 50 00	3497	KSE094	CLI KSEPDO(,@XR),B@ICON	IS IT AN INTERNAL CONSTANT ?
0EE8 7C 00 5E	3498	MVI	KSECRS(,@BR),KSEOFF	SET SW OFF
0EEB F2 81 8F	3499	JE	KSE130	YES, PROCESS INTERNAL CONST REF
	3500	*		
	3501	*	TEST FOR A LEADING SIGN	
	3502	*		
0EEE BD 4E 00	3503	KSE096	CLI KSEPDO(,@XR),B@PLUS	POSITIVE SIGN ?
0EF1 F2 81 06	3504	JE	KSE098	YES, INCR PAST IT
0EF4 BD 60 00	3505	CLI	KSEPDO(,@XR),B@MINS	MINUS SIGN ?
0EF7 F2 01 03	3506	JNE	KSE100	NO, SET POINT SW OFF
0EFA 76 02 03	3507	KSE098	A KSEI01(,@BR),@XR	INCR PAST SIGN
	3508	*		
	3509	*	TEST SYNTAX OF ARITHMETIC VALUE, ARGUMENT	
	3510	*		
0EFD 7C 00 61	3511	KSE100	MVI KSEDPS(,@BR),KSEOFF	SET POINT SW OFF
0F00 BD F0 00	3512	CLI	KSEPDO(,@XR),B@DEC0	IS BYTE A DIGIT

#KSETI - SET COMMAND ROUTINE

ERR	LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	09/06/21	PAGE 10
0F03	F2 02 1C		3513	JNL	KSE110			YES, CHECK NEXT BYTE	
0F06	BD 4B 00		3514	KSE102	CLI	KSEPD0(,@XR), B@DPNT		IS BYTE A DECIMAL PT	
0F09	3C 1D 03CD		3515	MVI	\$CAERR	,@@E160		SET ERROR CODE	
0F0D	C0 01 0469		3516	BNE	\$CAERK			NO, EXIT TO ERROR RTN	
0F11	7C 01 61		3517	MVI	KSEDPS(,@BR), KSEONN			SET SW ON	
0F14	76 02 03		3518	A	KSEI01(,@BR), @XR			INCR TO NEXT BYTE	
0F17	BD F0 00		3519	KSE104	CLI	KSEPD0(,@XR), B@DEC0		IS BYTE A DIGIT	
0F1A	3C 06 03CD		3520	MVI	\$CAERR	,@@E113		SET ERROR CODE	
0F1E	C0 82 0469		3521	BL	\$CAERK			NO, EXIT TO ERROR RTN	
0F22	76 02 03		3522	KSE110	A	KSEI01(,@BR), @XR		INCR TO NEXT BYTE	
0F25	BD F0 00		3523	CLI	KSEPD0(,@XR), B@DEC0			IS BYTE A DIGIT	
0F28	C0 02 0F22		3524	BNL	KSE110			YES, TEST NEXT BYTE	
0F2C	BD 4B 00		3525	KSE112	CLI	KSEPD0(,@XR), B@DPNT		IS BYTE A DECIMAL PT	
0F2F	F2 01 12		3526	JNE	KSE120			NO, TEST FOR EXPONENT	
0F32	7D 01 61		3527	KSE115	CLI	KSEDPS(,@BR), KSEONN		IS POINT SW ON	
0F35	3C 05 03CD		3528	MVI	\$CAERR	,@@E112		SET ERROR CODE	
0F39	C0 81 0469		3529	BE	\$CAERK			YES, EXIT TO ERROR RTN	
0F3D	7C 01 61		3530	MVI	KSEDPS(,@BR), KSEONN			SET SW ON	
0F40	C0 87 0F22		3531	B	KSE110			NO, TEST NEXT BYTE	
			3532	*					
			3533	*	TEST SYNTAX OF EXPONENT				
			3534	*					
0F44	BD C5 00		3535	KSE120	CLI	KSEPD0(,@XR), B@EXPC		VALUE HAVE ON EXPONENT	
0F47	F2 01 A1		3536	JNE	KSE180			NO, INCR TO FINAL DELIMITER	
0F4A	76 02 03		3537	A	KSEI01(,@BR), @XR			INCR TO NEXT BYTE	
0F4D	BD 4E 00		3538	KSE122	CLI	KSEPD0(,@XR), B@PLUS		BYTE A PLUS ?	
0F50	F2 81 06		3539	JE	KSE124			YES, INCR PAST IT	
0F53	BD 60 00		3540	CLI	KSEPD0(,@XR), B@MINS			BYTE A MINUS ?	
0F56	F2 01 03		3541	JNE	KSE126			NO, TEST IF A DIGIT	
0F59	76 02 03		3542	KSE124	A	KSEI01(,@BR), @XR		INCR TO NEXT BYTE	
0F5C	BD F0 00		3543	KSE126	CLI	KSEPD0(,@XR), B@DEC0		IS BYTE A DIGIT ?	
0F5F	3C 0A 03CD		3544	MVI	\$CAERR	,@@E117		SET ERROR CODE	
0F63	C0 82 0469		3545	BL	\$CAERK			NO, EXIT TO ERROR RTN	
0F67	76 02 03		3546	A	KSEI01(,@BR), @XR			INCR TO NEXT BYTE	
0F6A	BD F0 00		3547	KSE128	CLI	KSEPD0(,@XR), B@DEC0		IS BYTE A DIGIT ?	
0F6D	F2 82 7B		3548	JL	KSE180			NO, INCR TO EOS	
0F70	76 02 03		3549	A	KSEI01(,@BR), @XR			INCR TO NEXT BYTE	
0F73	BD F0 00		3550	CLI	KSEPD0(,@XR), B@DEC0			AT DIGIT ?	
0F76	F2 82 72		3551	JL	KSE180			INCR TO EOS	
0F79	C0 87 0469		3552	B	\$CAERK			YES, TO ERROR RTN	
			3553	*					
			3554	*****					
			3555	*				*	
			3556	*	INTERNAL CONSTANT SYNTAX CHECKING ROUTINE			*	
			3557	*				*	
			3558	*****					
			3559	*					
			3560	*	TEST FOR CONSTANT 'PI'				
			3561	*					
0F7D	E2 02 01		3562	KSE130	LA	1(,@XR), @XR		INCR PT	
0F80	7C 01 60		3563	MVI	KSEICS(,@BR), KSEONN			SET SW ON	
0F83	9D 01 01 1C		3564	KSE132	CLC	KSEPD1(B@LIPI-1, @XR), KSECPI(,@BR)	IS CONST 'PI' ?		
0F87	F2 01 0C		3565	JNE	KSE140			NO, TEST FOR 'E'	
			3566	*					
0F8A	4C 04 00 0000		3567	KSE135	MVC	*-*(,@VQ), *-*		MOVE THE PACKED VALUE OF	
0F8B			3568	ORG	KSE135+@Q			* THE INTERNAL CONSTANT 'PI'	

#KSETI - SET COMMAND ROUTINE

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0F8B 04		0F8B 3569	DC	AL1(B@LISP-1)	* TO THE CONSTANT AREA,
0F8C 1198		0F8D 3570	DC	AL(@CADDR)(KSECB4)	* INITIALLY SET FOR SHORT
0F8E 114B		0F8F 3571	DC	AL(@CADDR)(KSEPIIS)	* PRECISION VALUE
0F90 76 02 05		3572	A	KSEI02(,@BR),@XR	INCR PAST CONSTANT
0F93 F2 87 55		3573	J	KSE180	TO EOS
		3574 *			
		3575 * TEST FOR CONSTANT 'E'			
		3576 *			
0F96 9D 00 00 1D		3577 KSE140 CLC		KSEPD0(B@LIEX-1,@XR),KSEICE(,@BR) IS CON 'E' ?	
0F9A F2 01 0C		3578 JNE		KSE150	NO, TEST FOR 'SQR2'
0F9D 0C 00 0000 0000		3579 KSE145 MVC		*-*(@VQ),*-*	MOVE THE PACKED VALUE OF
0F9E		3580 ORG		KSE145+@Q	* THE INTERNAL CONSTANT 'E'
0F9E 04		0F9E 3581 DC		AL1(B@LISP-1)	* TO THE CONSTANT AREA,
0F9F 1198		0FA0 3582 DC		AL(@CADDR)(KSECB4)	* INITIALLY SET FOR SHORT
0FA1 1150		0FA2 3583 DC		AL(@CADDR)(KSECES)	* PRECISION VALUE
0FA3 76 02 03		3584 A		KSEI01(,@BR),@XR	INCR PAST CONSTANT
0FA6 F2 87 42		3585 J		KSE180	TO EOS
		3586 *			
		3587 * TEST FOR CONSTANT 'SQR2'			
		3588 *			
0FA9 9D 03 03 21		3589 KSE150 CLC		KSEPD3(B@LIS2-1,@XR),KSESQR(,@BR) IS CONST 'SQR2' ?	
0FAD 3C 08 03CD		3590 MVI		\$CAERR,@@E115	SET ERROR CODE
0FB1 C0 01 0469		3591 BNE		\$CAERK	NO, EXIT TO ERROR RTN
0FB5 0C 00 0000 0000		3592 KSE155 MVC		*-*(@VQ),*-*	MOVE THE PACKED VALUE OF
0FB6		3593 ORG		KSE155+@Q	* THE INTERNAL CONSTANT 'SQR2'
0FB6 04		0FB6 3594 DC		AL1(B@LISP-1)	* TO THE CONSTANT AREA,
0FB7 1198		0FB8 3595 DC		AL(@CADDR)(KSECB4)	* INITIALLY SET FOR SHORT
0FB9 1146		0FBA 3596 DC		AL(@CADDR)(KSES2S)	* PRECISION VALUE
0FBB D2 02 07		3597 LA		KSEI04(,@BR),@XR	INCR PT
0FBE F2 87 2A		3598 J		KSE180	TO EOS
		3599 *			
		3600 *****			*
		3601 *			*
		3602 * CHARACTER CONSTANT SYNTAX CHECKING ROUTINE			*
		3603 *			*
		3604 *****			*
		3605 *			
		3606 * TEST FOR A PROPER LITERAL AND INCREMENT PAST IT			
		3607 *			
0FC1 BD 7D 00		3608 KSE160 CLI		KSEPD0(,@XR),B@SQUO	* QUOTE ?
0FC4 3C 1D 03CD		3609 MVI		\$CAERR,@@E160	SET ERROR CODE
0FC8 C0 01 0469		3610 BNE		\$CAERK	NO, EXIT TO ERROR RTN
0FCC 76 02 03		3611 KSE165 A		KSEI01(,@BR),@XR	INCR TO NEXT BYTE
0FCF BD 1E 00		3612 CLI		KSEPD0(,@XR),B@EOST	AT EOS ?
0FD2 3C 07 03CD		3613 MVI		\$CAERR,@@E114	SET ERROR CODE
0FD6 C0 81 0469		3614 BE		\$CAERK	YES, EXIT TO ERROR RTN
0FDA BD 7D 00		3615 CLI		KSEPD0(,@XR),B@SQUO	A QUOTE ?
0FDD C0 01 0FCC		3616 BNE		KSE165	NO, TEST NEXT CHAR
0FE1 76 02 03		3617 A		KSEI01(,@BR),@XR	INCR TO NEXT BYTE
0FE4 BD 7D 00		3618 KSE170 CLI		KSEPD0(,@XR),B@SQUO	* QUOTE ?
0FE7 C0 81 0FCC		3619 BE		KSE165	YES, TEST NEXT CHAR
		3620 *			
		3621 *****			*
		3622 *			*
		3623 * COMMAND TERMINATION SCAN ROUTINE			*
		3624 *			*

#KSETI - SET COMMAND ROUTINE

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			3625 ****		
			3626 *		
0FEB	C0 87 1032		3627 KSE180 B SCANIT	TO FINAL DELIMITER	
0FEF	BD 1E 00		3628 CLI KSEP0(,@XR),B@EOST	AT EOS	
0FF2	3C 12 03CD		3629 MVII \$CAERR,@@E133	SET ERROR CODE	
0FF6	C0 01 0469		3630 BNE \$CAERK	NO, EXIT TO ERROR RTN	
			3631 *		
			3632 * SAVE CORE I/O ROUTINES		
			3633 *		
			3634 *		
			3635 * GET THE SYMBOL AND ARRAY TABLES		
			3636 *		
OFFA	C0 87 0025		3637 *KSE184 DISK KSETBL	GET SYMBOL TABLE	
OFFE	1178	0FFF	3638 KSE184 B \$DISKN	PERFORM PHYSICAL DISK OP	
			3639 DC AL2(KSETBL)	DPL ADDRESS	
			3640 *** END OF EXPANSION ***		
			3641 *		
			3642 * SET THE PARAMETERS FOR PAGING ROUTINE GET		
			3643 *		
1000	4C 01 4E 0510		3644 KSE186 MVC KSEDPL+@DSAD(@CADDR,@BR),\$CSDPL+@DSAD	SET DPL DISK ADDR	
1005	5C 00 6F 08		3645 MVC KSECNT(1,@BR),KSERTN-1(,@BR)	SET PGING PG	
1009	4F 00 6F 0512		3646 SLC KSECNT(1,@BR),\$CSDPL+@DBFR1	DECR BY 1ST PG SAVED	
100E	5E 00 6F 6F		3647 ALC KSECNT(1,@BR),KSECNT(,@BR)	MULTIPLY BY FOUR FOR	
1012	5E 00 6F 6F		3648 ALC KSECNT(1,@BR),KSECNT(,@BR)	* PHYSICAL DADDR	
1016	5E 00 4E 6F		3649 ALC KSEDPL+@DSAD(1,@BR),KSECNT(,@BR)	INCR DADDR	
101A	5C 00 50 08		3650 MVC KSEDPL+@DBFR1(1,@BR),KSERTN-1(,@BR)	SET CORE INPUT PG	
101E	4C 00 4F 0511		3651 MVC KSEDPL+@DCNT(1,@BR),\$CSDPL+@DCNT	SET CNT OF SAVED PGS	
1023	5F 00 4F 08		3652 SLC KSEDPL+@DCNT(1,@BR),KSERTN-1(,@BR)	SUB 1ST PG OF PG RTN	
1027	4E 00 4F 0512		3653 ALC KSEDPL+@DCNT(1,@BR),\$CSDPL+@DBFR1	ADD NO, PGS MISSING	
102C	C0 87 051E		3654 KSE188 B \$RLOAD		
1030	1172	1031	3655 DC AL(@CADDR)(KSEOVR)		
			3656 * \$CANI		

SCANIT - DELIMETER SCAN MODULE

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3658+*****
3659+* 5703-XM1 COPYRIGHT IBM CORP. 1970 *
3660+* REFER TO INSTRUCTIONS ON COPYRIGHT NOTICE, 120-2083 *
3661+*
3662+*****
3663+*STATUS *
3664+* VERSION 1 MODIFICATION 0 *
3665+* *
3666+*FUNCTION *
3667+* THE FUNCTION OF SCANIT IS TO SCAN PAST VALID DELIMITERS AND *
3668+* RETURN A POINTER TO THE FIRST CHARACTER THAT'S NOT A DELIMITER. *
3669+* *
3670+*ENTRY POINTS *
3671+* * THE ENTRY POINT IS SCANIT. *
3672+* * THE CALLING SEQUENCE IS AS FOLLOWS: *
3673+* B SCANIT *
3674+* WITH REGISTER 2 (@XR) POINTING TO THE FIRST CHARACTER TO BE *
3675+* EXAMINED. *
3676+* *
3677+*INPUT *
3678+* NONE *
3679+* *
3680+*OUTPUT *
3681+* NONE *
3682+* *
3683+*EXTERNAL REFERENCES *
3684+* \$CAERR - ERROR CODE SAVE AREA *
3685+* *
3686+*EXITS, NORMAL *
3687+* NORMAL EXIT FROM SCANIT IS TO THE BYTE FOLLOWING THE BRANCH TO *
3688+* SCANIT IN THE CALLING ROUTINE. THE PSR (REGISTER 4) WILL CONTAIN *
3689+* A ZERO IF NO DELIMITERS WERE FOUND OR A HIGH CONDITION IF ONE OR *
3690+* MORE DELIMITERS WERE SCANNED. *
3691+* *
3692+*EXITS, ERROR *
3693+* ERROR EXIT FROM SCANIT IS TO THE BYTE FOLLOWING THE BRANCH TO *
3694+* SCANIT IN THE CALLING ROUTINE. THE PSR WILL CONTAIN A LOW *
3695+* CONDITION. *
3696+* *
3697+*TABLES/WORKAREAS *
3698+* * SCACNT - AREA CONTAINING NUMBERS OF DELIMITERS SCANNED *
3699+* * SCAMMA - LOC WHERE SCACOM MAY BE MOVED IF ONE COMMA IS ALSO *
3700+* TO BE CONSIDERED A DELIMITER. MOVING SCACOF BACK INTO SCAMMA *
3701+* INDICATES THAT ONLY BLANKS SHOULD BE CONSIDERED DELIMITERS. *
3702+* *
3703+*ATTRIBUTES *
3704+* RELOCATABLE AND RE-USABLE *
3705+* *
3706+*CHARACTER CODE DEPENDENCY *
3707+* THE OPERATION OF THIS MODULE DOES NOT DEPEND UPON A PARTICULAR *
3708+* INTERNAL REPRESENTATION OF THE EXTERNAL CHARACTER SET. *
3709+* *
3710+*NOTES *
3711+* ERROR PROCEDURES *
3712+* THE ONLY ERROR CONDITION DETECTED BY SCANIT IS THE CASE WHERE *
3713+* A CARRIAGE-RETURN CODE FOLLOWS A COMMA. UPON RETURN TO THE *

SCANIT - DELIMETER SCAN MODUL

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3714+* CALLING ROUTINE, @PSR WILL BE SET TO A LOW CONDITION, THE
3715+* ERROR CODE IS SET IN \$CAERR, AND MG WILU BE POINTING TO THE
3716+* CARRIAGE-RETURN CHARACTER.
3717+*
3718+* REGISTER USAGE
3719+* REGISTER 2 (@XR) IS USED AS A POINTER ACROSS THE AREA BEING
3720+* SCANNED FOR DELIMETERS.
3721+*
3722+* SAVED/RESTORED AREAS
3723+* UPON ENTRY TO SCANIT, REGISTER 8 (@ARR) IS SAVED AND USED AS
3724+* THE RETURN ADDRESS.
3725+*
3726+* MODIFICATION CONSIDERATIONS
3727+* NONE
3728+*
3729+* REQUIRED MODULES
3730+* * @SYSEQ - COMMON SYSTEM EQUATES
3731+* * @FXDEQ - FIXED NUCLEUS ADDRESSES EQUATES
3732+*
3733+* OTHER
3734+* SCANIT IS INITIALIZED TO BYPASS BLANKS ONLY. IF SCACOM IS
3735+* MOVED TO SCAMMA, ONE COMMA WILL BE SCANNED ALONG WITH BLANKS.
3736+* THE INSTRUCTION TO DO THIS IS AS FOLLOWS:
3737+* MVI SCAMMA,SCACOM
3738+*
3739+* TO DROP THE COMMA FROM ITS DELIMITER STATUS, SCACOF SHOULD BE
3740+* MOVED TO SCAMMA, USING THE FOLLOWING INSTRUCTION:
3741+* MVI SCAMMA,SCACOF
3742+*
3743+*****

3745+*

		0001	3748+SCAINC	EQU	1	TO INCREMENT POINTER
		0001	3749+SCACOM	EQU	@BNE	SWITCH TO ALLOW SCANNING COMMA
		0087	3750+SCACOF	EQU	@UCB	SWITCH TO SET OFF THE INDICATOR
			3751+*			* FOR SCANNING A COMMA
		1032	3752+SCANIT	EQU	*	ENTRY POINT TO THIS SUBROUTINE
1032	34	08	106E	3753+	ST	SAVE RETURN ADDRESS
1036	34	02	1070	3754+	ST	SAVE POINTER VALUE
103A	3C	04	03CD	3755+	MVI	\$CAERR,@@E110
103E	F2	87	03	3756+	J	SCA200
1041	E2	02	01	3757+SCA100	LA	SCAINC(,@XR),@XR
1044	BD	40	00	3758+SCA200	CLI	0(,@XR),@BLANK
1047	C0	81	1041	3759+	BE	SCA100
104B	BD	6B	00	3760+	CLI	0(,@XR),@COMMA
104E	F2	87	10	3761+SCA250	JC	SCA400,@UCB
				3762+*		UCS TO RETURN -- OR NOP IF
						* SCAMMA IS ACTIVE AND CHAR
1051	E2	02	01	3763+SCA300	LA	SCAINC(,@XR),@XR
1054	BD	40	00	3764+	CLI	0(,@XR),@BLANK
1057	C0	81	1051	3765+	BE	SCA300
105B	BD	1F	00	3766+	CLI	0(,@XR),@EOS+1
105E	F2	82	0A	3767+	JL	SCA500
1061	34	02	1072	3768+SCA400	ST	SCACNT,@XR
						IF NOT, SKIP ERROR ROUTINE
						SAVE NEW POINTER VALUE

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1065	0F 01 1072 1070	3769+	SLC	SCACNT(2), SCASVE	SET PSR TO EQUAL IF POINTER
		3770+*			* NOT ADVANCED
106B	C0 87 0000	3771+SCA500	B	*-*	YES, RETURN
		104F	3772+SCAMMA	EQU SCA250+@Q	TO SET SCAN COMMA INDICATOR
			3773+*		
			3774+*	SAVE AREA	
			3775+*		
106F		106F	3776+SCASV1	EQU *	FIRST BYTE OF SCASVE
		1070	3777+SCASVE	DS CL2	ORIGINAL POINTER VALUE SAVE
1071		1072	3778+SCACNT	DS CL2	SAVE AREA FOR TOTAL CHAR SCAN
			3779+***	END OF SCANIT	***
			3780 *	PATCH 1	
			3781	*****	*****
			3782	*	PATCH AREA 1 *
			3783	*****	*****
			3784	*	CALCULATE AREA LEFT IN THIS SECTOR
			3785	*	
1100		1073	3786	\$\$\$\$L1 EQU *	START PATCH AREA 1
			3787	ORG *,256,0	SET LOC CNTR TO NEXT SECTOR
1073		1100	3788	\$\$\$\$T1 EQU *	DEFINE ADDR OF SCTR BNDRY
			3789	ORG \$\$\$L1	SET LOC CNTR OF START
			3790	*	* OF PATCH AREA
1073		10FF	3791	\$\$\$\$\$1 DS CL(\$\$\$\$T1-\$\$\$\$L1)	PATCH AREA
			3792	*** END OF EXPANSION ***	

SCANIT - DELIMETER SCAN MODULE

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1120		3794	ORG X'1120'	CADDR OF WORK AREA
		3795	*****	*****
		3796	*	*
		3797	* KSETI EQUATES, CONSTANTS AND WORK AREAS	*
		3798	*	*
		3799	*****	*****
		3800	*	
1120	3801	KSEEQU EQU *		CADDR FOR WORK AREA BASE
	3802	*		
	3803	* KSETI EQUATES REFERENCING CONSTANTS		
	3804	*		
0000	3805	KSEOFF EQU 0		TO SET SW OFF
0000	3806	KSEPDO EQU 0		LINE PT DISP OF 0
0000	3807	KSEE00 EQU 0		TO CLEAR LINE PT
0001	3808	KSEONN EQU 1		TO SET SW ON
0001	3809	KSEPD1 EQU 1		LINE PT DISP OF 1
0002	3810	KSELAC EQU 2		DIGIT ACCUM LNG
0002	3811	KSEPD2 EQU 2		PT DISP OF 2
0003	3812	KSEPD3 EQU 3		LINE PT DISP OF 3
0004	3813	KSELD4 EQU 4		INCR PAST SQR2
0006	3814	KSETLG EQU 6		SYMBOL TABLE LNG
0041	3815	KSETVA EQU X'41'		DADDR OF SYMBOL TBLS
00FF	3816	KSEPGB EQU 255		VM PG BOUNDARY
0700	3817	KSETIN EQU X'0700'		CADDR FOR BEGINNING OF SYM TBL
	3818	*		
	3819	* KSETI CONSTANTS		
	3820	*		
1120 0000	1121	3821 KSEI00 DC IL2'00'		INTEGER OF 0
1122 0001	1123	3822 KSEI01 DC IL2'01'		INTEGER OF 1
1124 0002	1125	3823 KSEI02 DC IL2'02'		INTEGER OF 2
1126 0004	1127	3824 KSEI04 DC IL2'04'		INTEGER OF 4
1128 12D3	1129	3825 KSERTN DC AL(@CADDR)(I\$RTRN)		CADDR OF PAGING MODULE
112A 0C08	112B	3826 KSEAAC DC AL(@CADDR)(KSETIN+B@DL16+1)	ARITH ARRAY DOPE VECTOR	
	3827	*		* VIRTUAL TO CORE ADDR
	3828	*		* CONVERSION CONSTANT
	3829	*		
112C 08	112C	3830 DC ALL(B@LILP-1)		INSTR TO MOVE THE LONG
112D 119C	112E	3831 DC AL(@CADDR)(KSECB8)		* PRECISION VALUE
112F 1162	1130	3832 KSEMC1 DC AL(@CADDR)(KSEPIL)		* OF PI
	3833	*		
1131 08	1131	3834 DC ALL(B@LILP-1)		INSTR TO MOVE THE LONG
1132 119C	1133	3835 DC AL(@CADDR)(KSECB8)		* PRECISION VALUE
1134 116B	1135	3836 KSEMC2 DC AL(@CADDR)(KSECFL)		* OF E
	3837	*		
1136 08	1136	3838 DC ALL(B@LILP-1)		INSTR TO MOVE THE LONG
1137 119C	1138	3839 DC AL(@CADDR)(KSECB8)		* PRECISION VALUE
1139 1159	113A	3840 KSEMC3 DC AL(@CADDR)(KSES2L)		* OF SQR2
	3841	*		
	3842	* INTERNAL CONSTANT DESIGNATORS		
	3843	*		
113B D7C9	113C	3844 KSECPI DC CL2'PI'		DESIGNATOR FOR PI
113D C5	113D	3845 KSEICE DC CL1'E'		DESIGNATOR FOR E
113E E2D8D9F2	1141	3846 KSESQR DC CL4'SQR2'		DESIGNATOR FOR SQR2
	3847	*		
	3848	* SHORT PRECISION INTERNAL CONSTANTS		
	3849	*		

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1142 0141421481	1146 3850 KSES2S DC	XL(B@LISP)'0141421481'	SHORT PREC VALUE FOR &SOR2
	3851 *		
1147 0314159381	114B 3852 KSEPIIS DC	XL(B@LISP)'0314159381'	SHORT PREC VALUE FOR &PI
	3853 *		
114C 0271828281	1150 3854 KSECES DC	XL(B@LISP)'0271828281'	SHORT PREC VALUE FOR &E
	3855 *		
	3856 * LONG PRECISION INTERNAL CONSTANTS		
	3857 *		
1151 2141421356237310	1159 3858 KSES2L DC	XL(B@LILP)'214142135623731081'	LONG PREC VALUE FOR &SOR2
	3859 *		
115A 2314159265358979	1162 3860 KSEPIIL DC	XL(B@LILP)'231415926535897981'	LONG PREC VALUE FOR &PI
	3861 *		
1163 2271828182845905	116B 3862 KSECFL DC	XL(B@LILP)'227182818284590581'	LONG PREC VALUE FOR &E
	3863 *		
	3864 * KSETI DISK PARAMETER LISTS		
	3865 *		
	3866 *KSEDPL DPL		
	116C 3867 KSEDPL EQU *		DISK PARAMETER LIST
116C 00	116C 3868 DC	AL1(*-*)	REQUESTED FUNCTION
116D 00	116D 3869 DC	AL1(*-*)	CYLINDER ADDRESS
116E 00	116E 3870 DC	AL1(*-*)	HEAD/SECTOR/DRIVE/DISK SPEC
116F 00	116F 3871 DC	AL1(*-*)	SECTOR COUNT
1170 0000	1171 3872 DC	AL2(*-*)	BUFFER ADDRESS
	3873 *** END OF EXPANSION ***		
116C	3875 ORG KSEDPL		
116C 01	116C 3876 DC	AL1(@DGET)	INITIAL FUNC CODE
116D 0000000000	1171 3877 DC	XL5'00'	REMAINDER INITIALIZED TO ZERO
	3878 *		
	3879 *KSEOVR DPL FUNC=@DGET,DADDR=#\$KSOV,CNT=#\$@KSO,CADDR=#\$\$KSO		
	1172 3880 KSEOVR EQU *		DISK PARAMETER LIST
1172 01	1172 3881 DC	AL1(@DGET)	REQUESTED FUNCTION
1173 0AC8	1174 3882 DC	AL2(#\$KSOV)	DISK ADDRESS
1175 0D	1175 3883 DC	AL1(#\$@KSO)	SECTOR COUNT
1176 0C20	1177 3884 DC	AL2(#\$\$KSO)	BUFFFR ADDRESS
	3885 *** END OF EXPANSION ***		
	3887 *KSETBL DPL FUNC=@DGET,CYL=@DCBCY,SCTR=KSETVA,CNT=KSETLG,CADDR=KSETIN		
	1178 3888 KSETBL EQU *		DISK PARAMETER LIST
1178 01	1178 3889 DC	AL1(@DGET)	REQUESTED FUNCTION
1179 09	1179 3890 DC	AL1(@DCBCY)	CYLINDER ADDRESS
117A 41	117A 3891 DC	AL1(KSETVA)	HEAD/SECTOR/DRIVE/DISK SPEC
117B 06	117B 3892 DC	AL1(KSETLG)	SECTOR COUNT
117C 0700	117D 3893 DC	AL2(KSETIN)	BUFFER ADDRESS
	3894 *** END OF EXPANSION ***		

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			3896 *			
			3897 * KSETI WORK AREAS			
			3898 *			
117E	117E	3899	KSECRS DS	CL1	CHARACTER REF SW	
117F	117F	3900	KSESTS DS	CL1	SUBSC TERMINATION SW	
1180	1180	3901	KSEICS DS	CL1	INTERNAL CONSTANT SW	
1181	1181	3902	KSEDPS DS	CL1	DECIMAL POINT SW	
1182	1182	3903	KSELSA DS	CL1	LETTER SAVE AREA	
1183	1183	3904	KSEEXP DS	CL1	EXP SAVE AREA	
1184		1185	3905 KSEVAD DS	CL2	CONTAINS VAR VADDR	
1186		1187	3906 KSEATI DS	CL2	ADDRESS TABLE INDEX	
1186		3907	ORG	*-2	* INITIALLY SET TO	
1186 0000	1187	3908	DC	XL2'00'	* ZERO	
1188	1189	3909	KSEDGT DS	CL2	LETTER-DIGIT TABLE INDEX ACCUM.	
1188		3910	ORG	*-2	* INITIALLY SET TO	
1188 0000	1189	3911	DC	XL2'00'	* ZERO	
118A	118B	3912	KSESC1 DS	CL2	TO HOLD SUBSCRIPT 1	
118C	118D	3913	KSESC2 DS	CL2	TO HOLD SUBSCRIPT 2	
118C		3914	ORG	*-2	* INITIALLY SET TO CONTAIN	
118C 0000	118D	3915	DC	XL2'00'	* ZERO	
118E	118F	3916	KSECNT DS	CL2	TO CONTAIN THE ELEMENT COUNT	
118E		3917	ORG	*-2	* INITIALLY CONTAINS	
118E 0000	118F	3918	DC	XL2'00'	* ZERO	
1190	1190	3919	KSEELL DS	CL1	TO CONTAIN THE LENGTH OF EACH	
1190		3920	ORG	KSEELL	* ARRAY ELEMENT: INITIALLY	
1190 05	1190	3921	DC	AL1(B@LISP)	* PKD SHORT PREC	
1191	1191	3922	KSEEND DS	CL1	COUNT TO DETERMINE WHEN	
1191		3923	ORG	KSEEND	* MANTISSA IS COMPLETE. INIT	
1191 07	1191	3924	DC	AL1(B@LESP-1)	* SET FOR SHORT PREC MANTISSA	
1192	1192	3925	KSEMFS DS	CL1	FRACTION SWITCH	
1192		3926	ORG	KSEMFS	* INITIALLY SET TO	
1192 00	1192	3927	DC	XL1'00'	* AN OFF STATUS	
1193	1193	3928	KSECBS DS	CL1	CONSTANT BUCKET SWITCH	
1193		3929	ORG	KSECBS	* INITIALLY SET TO	
1193 00	1193	3930	DC	XL1'00'	* AN OFF STATUS	
		3931 *				
		3932 *	CONSTANT DATA BUCKET			
		3933 *				
1194		1194	KSECDB EQU	*		
1194	11A6	3935	DS	CL19		
		3936 *				
		3937 *	ALPHABETIC CHARACTER TABLE			
		3938 *				
		11A7	3939 KSEATB EQU	*	CADDR OF ALPHA TABLE	
11A7 5B7B7CC1C2C3C4C5	11C3	3940	DC	CL29'\$#@ABCDEFGHIJKLMNPQRSTUVWXYZ'	ALPHA TBL	
		3941 *				
		3942 *	CONSTANT DATA BUCKET EQUATES			
		3943 *				
		1194	3944 KSECB0 EQU	KSECDB	DATA BUCKET, STATUS BYTE	
		1195	3945 KSECB1 EQU	KSECDB+1	DATA BUCKET, EXPONENT BYTE	
		1196	3946 KSECB2 EQU	KSECDB+2	DATA BUCKET, MANTISSA BYTE	
		1197	3947 KSECB3 EQU	KSECDB+3	DATA BUCKET DISP OF 3	
		1198	3948 KSECB4 EQU	KSECDB+4	DATA BUCKET DISP OF 4	
		1199	3949 KSECB5 EQU	KSECDB+5	DATA BUCKET DISP OF 5	
		119A	3950 KSECB6 EQU	KSECDB+6	DATA BUCKET DISP OF 6	
		119B	3951 KSECB7 EQU	KSECDB+7	DATA BUCKET DISP OF 7	

SCANIT - DELIMETER SCAN MODULE

ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT VER 15, MOD 00 09/06/21 PAGE 19

	119C	3952	KSECB8	EQU	KSECDB+8		DATA BUCKET DISP OF 8
	119D	3953	KSECB9	EQU	KSECDB+9		DATA BUCKET DISP OF 9
	119E	3954	KSECBA	EQU	KSECDB+10		DATA BUCKET DISP OF 10
	119F	3955	KSECBB	EQU	KSECDB+11		DATA BUCKET DISP OF 11
	11A0	3956	KSECBC	EQU	KSECDB+12		DATA BUCKET DISP OF 12
	11A1	3957	KSECBD	EQU	KSECDB+13		DATA BUCKET DISP OF 13
	11A2	3958	KSECBE	EQU	KSECDB+14		DATA BUCKET DISP OF 14
	11A3	3959	KSECBF	EQU	KSECDB+15		DATA BUCKET DISP OF 15
	11A4	3960	KSECBG	EQU	KSECDB+16		DATA BUCKET DISP OF 16
	11A6	3961	KSECHR	EQU	KSECDB+18		DATA BUCKET DISP CHAR
		3962	*				
		3963	*	KSETIT EQUATES REFERENCING PROGRAM			
		3964	*				
	070C	3965	KSELVT	EQU	KSETIN+B@DL06+1	CADDR 1ST ENTRY LVT	
	0746	3966	KSELDT	EQU	KSETIN+B@DL07+1	CADDR 1ST ENTRY LDT	
	098A	3967	KSECVT	EQU	KSETIN+B@DL10+1	CADDR 1ST ENTRY CVT	
	09C4	3968	KSENAT	EQU	KSETIN+B@DL11+1	CADDR 1ST ENTRY NAT	
	09FE	3969	KSECAT	EQU	KSETIN+B@DL12+1	CADDR 1ST ENTRY CAT	
		3971	*	PATCH 2			
		3972	*****	*****	*****	*****	*****
		3973	*	PATCH AREA 2			*
		3974	*****	*****	*****	*****	*****
		3975	*	CALCULATE AREA LEFT IN THIS SECTOR			
		3976	*				
1200	11C4	3977	\$\$\$\$L2	EQU	*	START PATCH AREA 2	
		3978	ORG	*	,256,0	SET LOC CNTR TO NEXT SECTOR	
11C4	1200	3979	\$\$\$\$T2	EQU	*	DEFINE ADDR OF SCTR BNDRY	
		3980	ORG	\$\$\$\$L2		SET LOC CNTR OF START	
		3981	*			* OF PATCH AREA	
11C4	11FF	3982	\$\$\$\$\$2	DS	CL(\$\$\$\$T2-\$\$\$\$L2)	PATCH AREA	
		3983	*** END OF EXPANSION ***				
		3984	*				
		FFFF	3985	END			

TOTAL STATEMENTS IN ERROR IN THIS ASSEMBLY = 0

CROSS REFERENCE

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\$#THAD	001	00F2	1949
\$#THEL	001	0004	1969
\$#THVT	001	00F0	1948
\$#TIDR	001	00FF	1959
\$#TLAD	001	00FE	1958
\$#TLBL	001	0008	1940
\$#TLIB	001	00F8	1954
\$#TLIF	001	0010	1967
\$#TLSZ	001	00F7	1953
\$#TOID	001	005B	1942
\$#TPAD	001	00F6	1952
\$#TPFL	001	0008	1968
\$#TPSZ	001	00F4	1951
\$#TPTF	001	00F3	1950
\$#TRES	001	00D7	1961
\$#TSUS	001	00EF	1947
\$#TSYM	001	0080	1964
\$#TSYS	001	00FA	1956
\$#TUSE	001	00A8	1946
\$#TVOL	001	0002	1939
\$#TVTC	001	000A	1941
\$#TWAL	001	00D7	1960
\$#TWFI	001	0020	1966
\$#TWRK	001	00F9	1955
\$#TWR1	001	0040	1965
\$ABORT	001	0010	0336
\$BASIC	001	0080	0394
\$BIGCD	001	0080	0470
\$BLDPL	001	0579	0603
\$BLNOE	001	0569	0593
\$BLOAD	001	0522	0584
\$BLRTN	001	0550	0592
\$BRSAV	001	03C5	0281
\$BSADR	001	0587	0608
\$BUFPY	001	03E3	0489
\$CABLD	001	04B4	0562
\$CAERK	001	0469	0539
\$CAERR	001	03CD	0287
\$CAIPL	001	049D	0558
\$CALLI	001	0008	0479
\$CARDI	001	0001	0250
\$CARPL	001	04A1	0560
\$CIENT	001	0483	0549
\$CIEXT	001	0480	0548
\$CIMSK	001	0476	0545
\$CISUS	001	0496	0553
\$CLBFR	001	0010	0437
\$CMDKY	001	0008	0349
\$CMODE	001	0002	0399
\$CONFIG	001	03DD	0462
\$CRPOS	001	03E2	0488
\$CRTAD	001	044D	0527
\$CRTAV	001	0002	0343
\$CRTDN	001	0002	0367

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\$CRTIN	001	03D3	0364	0371
\$CRTNO	001	0004	0346	
\$CRTPU	001	0004	0368	
\$CRTSP	001	0008	0369	
\$CRTUP	001	0001	0366	
\$CRUSH	001	0080	0475	
\$CSDPL	001	050E	0574	0575 3644 3646 3651 3653
\$C0001	001	0464	0531	0537
\$DATE	001	043A	0512	0513
\$DBGUF	001	03E0	0474	0483
\$DBLOK	001	0001	0424	
\$DFDET	001	03E8	0495	0496
\$DISKN	001	0025	0226	3638
\$DKERR	001	0008	0405	
\$DKSIZ	001	03D7	0449	0457 0498
\$DK100	001	0001	0451	
\$DK200	001	0002	0452	
\$DK400	001	0004	0453	
\$DK600	001	0008	0454	
\$DK800	001	0010	0455	
\$DPLSV	001	0449	0523	0525
\$DTNMB	001	0040	0270	
\$DTRDR	001	0040	0358	
\$ENDNU	001	0600	0617	0627 0651 0672 0708 0717 0719 0721 2165
\$ERDPL	001	046F	0542	0544
\$ERFIL	001	0040	0297	
\$ERHRD	001	0004	0429	
\$ERKEY	001	0080	0301	
\$ERLOG	001	0345	0231	
\$ERMAD	001	0472	0544	0545
\$ERPND	001	0004	0402	
\$ERRCT	001	03CF	0303	
\$ERRPG	001	03CE	0291	
\$ERSFL	001	0035	0296	
\$ERSTK	001	0030	0294	
\$ER050	001	0363	0232	
\$ER1N2	001	0050	0299	
\$EXADR	001	0517	0577	0579
\$EXCMD	001	0001	0331	
\$EXFTR	001	043B	0513	0518
\$FCIND	001	0010	0409	
\$FDIND	001	0040	0416	
\$FEARR	001	0004	0224	
\$FEMAP	001	0588	0610	0611
\$FILIB	001	03DA	0460	0461
\$FITIN	001	0010	0385	
\$FUIND	001	0020	0414	
\$GUFIO	001	0583	0607	0608
\$GUFIR	001	0008	0259	
\$HISTE	001	042E	0510	0511
\$HIST1	001	0435	0511	0512
\$HRDER	001	0020	0355	
\$INDR1	001	03D4	0371	0397
\$INDR2	001	03D5	0397	0422
\$INDR3	001	03D6	0422	0449
\$INLNO	001	03CF	0289	0291 0303 0310

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\$INRPT	001	0020	0267	
\$IOIND	001	03D2	0338	0364
\$IOPGS	001	0010	0478	
\$IOYES	001	0002	0253	
\$IPLDV	001	05FF	0614	0617
\$IRKEY	001	0020	0477	
\$KEYBD	001	03E1	0483	0488
\$KEYCD	001	03C3	0247	0281
\$KEYDT	001	0040	0391	
\$KE090	001	00DE	0227	
\$KE130	001	01D5	0228	
\$KSETI	001	0E07	3356	
\$KYBSY	001	0010	0264	
\$LDRTN	001	0571	0602	
\$LEVEL	001	03DF	0472	0474
\$LIST	001	0002	0426	
\$LMRGN	001	03C1	0242	0244
\$LNPTR	001	0080	0361	
\$LOADB	001	054A	0586	
\$LOADR	001	051A	0579	0582
\$LPRI0	001	03EA	0496	
\$LPROS	001	03E5	0491	0493
\$LPRP3	001	03E4	0490	0491
\$MOUNT	001	0020	0440	
\$MPDWN	001	0001	0340	
\$NEXTB	001	03E6	0493	0494
\$NEXTL	001	03E7	0494	0495
\$NOENB	001	0008	0432	
\$NOLST	001	0004	0256	
\$NUCBS	001	03C0	0239	0240
\$NWRKF	001	0080	0445	
\$NWRKR	001	0040	0442	
\$PASWD	001	042D	0509	0510
\$PAUSD	001	04BA	0563	0565
\$PAUSE	001	0002	0333	
\$PGMDT	001	0020	0388	
\$PGMST	001	0010	0352	
\$PKERT	001	0419	0507	0509
\$PLST1	001	0454	0528	0529
\$PLST2	001	045B	0529	0530
\$PLST3	001	0462	0530	0531
\$PRDEV	001	044B	0525	0527
\$PRESN	001	0002	0376	
\$PROCI	001	0001	0373	
\$PRPOS	001	03C2	0244	0247
\$PSDBR	001	04FA	0568	
\$PSDXR	001	04F2	0567	0568
\$PSTEP	001	0004	0334	
\$PSTMT	001	0008	0335	
\$PTCH1	001	03F5	0498	0502
\$READY	001	0080	0418	
\$REORD	001	0040	0476	
\$RLOAD	001	051E	0582	0584 3654
\$RMRGN	001	03C0	0240	0242
\$RSTR	001	04D6	0565	0567 0569 0574
\$RUNIT	001	0001	0312	

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\$SFAID 001 050D 0570

\$SPRNT 001 0465 0537 0539

\$SRTRN 001 04FE 0569 0570

\$STEPT 001 0002 0313

\$SWPCR 001 0511 0575 0577

\$TABLN 001 03CB 0284 0287

\$TFLW 001 0008 0319

\$TRACE 001 0004 0314

\$TRALL 001 0010 0320

\$TROVR 001 054E 0589 0592

\$TRUNK 001 0080 0272

\$TRVAR 001 0020 0321

\$UNMSK 001 048D 0550 0553

\$USRDR 001 03DC 0461 0462

\$VMDEF 001 0080 0325

\$VOLF1 001 03FE 0504 0505

\$VOLF2 001 040E 0506

\$VOLID 001 03F6 0502 0503 0507

\$VOLR1 001 03F6 0503 0504

\$VOLR2 001 0406 0505 0506

\$WAITF 001 057F 0605 0607

\$WFDEF 001 0040 0519

\$WFLOK 001 0008 0382

\$WFNME 001 0443 0518 0523

\$WSIND 001 0004 0379

\$XIND1 001 03D0 0310 0329 3371

\$XIND2 001 03D1 0329 0338

\$XIND3 001 03D8 0457 0460

\$XPREC 001 0040 0322 3371

\$XRSAV 001 03C7 0282 0284 3386

\$ZTRAD 001 05A2 0611

\$12K 001 0004 0466

\$16CKY 001 0008 0468

\$16K 001 0002 0465

\$22IMP 001 0001 0463

#\$\$#BL 001 0000 1672

#\$\$#CK 001 0000 1800

#\$\$#CN 001 0000 1768

#\$\$#CO 001 0000 1560

#\$\$#CS 001 0000 1620

#\$\$#DR 001 0000 1364

#\$\$#ER 001 0000 1564

#\$\$#FS 001 0000 1660

#\$\$#IN 001 0000 1804

#\$\$#PW 001 0000 1808

#\$\$#RS 001 0000 1640

#\$\$#SA 001 0000 1628

#\$\$#SS 001 0000 1624

#\$\$#VU 001 0600 1584

#\$\$#OT 001 0700 1356

#\$\$#1T 001 0000 1360

#\$\$BCO 001 0600 1372

#\$\$BOV 001 0800 1644

#\$\$DPR 001 0700 1380

#\$\$DRE 001 0889 1396

#\$\$DSP 001 2800 1416

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SYMBOL LEN VALUE DEFN REFERENCES

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####ECM	001	0C00	1676	
####EFK	001	0C00	1696	
####ERR	001	0C00	1668	
####EXM	001	0C00	1556	
####FIL	001	0E00	1636	
####FIS	001	0E00	1632	
####FML	001	0200	1764	
####FMS	001	0200	1604	
####GRA	001	0889	1528	
####GUF	001	0C00	1664	
####INL	001	0600	1744	
####INS	001	0600	1368	
####KAL	001	0C00	1532	
####KCA	001	0C00	1748	
####KCH	001	0C00	1500	
####KCN	001	0C00	1616	
####KCT	001	0C00	1468	
####KDE	001	0C00	1464	
####KDI	001	0D00	1544	
####KDN	001	0C00	1452	
####KDO	001	0E00	1548	
####KED	001	0C00	1388	
####KEN	001	0C00	1392	
####KEX	001	0C00	1412	
####KGO	001	0C00	1384	
####KHE	001	0C00	1568	
####KKE	001	0C00	1796	
####KLI	001	0C00	1472	
####KLL	001	0920	1772	
####KLO	001	0C00	1476	
####KME	001	0D00	1456	
####KMO	001	0C00	1400	
####KNA	001	0C00	1512	
####KOV	001	0E00	1432	
####KPA	001	0C00	1408	
####KPO	001	0C00	1496	
####KPR	001	0C00	1520	
####KRE	001	0C00	1440	
####KRL	001	0700	1536	
####KRM	001	0C00	1404	
####KRN	001	0700	1424	
####KRO	001	0D00	1428	
####KRS	001	0C00	1752	
####KRU	001	0C00	1448	
####KRV	001	0800	1540	
####KSA	001	0C00	1484	
####KSE	001	0E00	1524	3352
####KSO	001	0C20	1576	3884
####KSS	001	0C00	1508	
####KSV	001	0980	1504	
####KSY	001	0C00	1516	
####KWI	001	0C00	1444	
####KWR	001	0C00	1436	
####LOA	001	0600	1376	
####MIP	001	0C00	1572	
####SDS	001	0C00	1684	

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SYMBOL LEN VALUE DEFN REFERENCES

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####SFF 001 0E00 1688
####SFL 001 0F00 1680
####SFO 001 1500 1652
####SFS 001 0C00 1648
####SPA 001 0C00 1488
####SPO 001 0806 1492
####SPS 001 0C00 1480
####STR 001 1600 1656
####TDC 001 1000 1460
####TSY 001 1000 1420
####TVK 001 0FC0 1596
####UAL 001 0C00 1612
####UAT 001 0900 1708
####UCD 001 0900 1716
####UCN 001 0C00 1700
####UCP 001 0700 1704
####UDE 001 0C00 1720
####UDI 001 0C00 1724
####UEX 001 0C00 1608
####UIN 001 0C00 1712
####UPA 001 0C00 1692
####UPO 001 0C00 1760
####UPT 001 0C00 1756
####VCR 001 2000 1552
####VLO 001 0600 1588
####VOD 001 0600 1592
####VVM 001 0000 1600
####VXI 001 0600 1580
####ZDU 001 1100 1732
####ZLB 001 1100 1776
####ZLO 001 1100 1736
####ZLV 001 0F00 1792
####ZL1 001 0F00 1780
####ZL2 001 0F00 1784
####ZL3 001 0C00 1788
####ZTR 001 1000 1728
####ZUT 001 0C00 1740
###BLN 001 18D4 1671
###CKT 001 2118 1799
###CNF 001 2000 1767
###COR 001 0800 1559
###CSA 001 1000 1619
###DRT 001 0000 1363
###ERM 001 0928 1563
###FSP 001 1880 1659
###INV 001 212C 1803
###PWR 001 2300 1807
###RSP 001 1780 1639
###SAV 001 1180 1627
###SSA 001 1128 1623
###VUF 001 0B08 1583
###OTR 001 0000 1355
###1TR 001 0080 1359
###@#BL 001 0001 1673
###@#CK 001 0004 1801
###@#CN 001 0001 1769

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SYMBOL LEN VALUE DEFN REFERENCES

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#\$@#CO 001 003A 1561
#\$@#CS 001 003A 1621
#\$@#DR 001 0008 1365
#\$@#ER 001 0032 1565
#\$@#FS 001 0030 1661
#\$@#IN 001 003A 1805
#\$@#PW 001 00C0 1809
#\$@#RS 001 0030 1641
#\$@#SA 001 0108 1629
#\$@#SS 001 0001 1625
#\$@#VU 001 0002 1585
#\$@#OT 001 0018 1357
#\$@#1T 001 0018 1361
#\$@BCO 001 0018 1373
#\$@BOV 001 0018 1645
#\$@DPR 001 0005 1381
#\$@DRE 001 0001 1397
#\$@DSP 001 0004 1417
#\$@ECM 001 0006 1677
#\$@EFK 001 0002 1697
#\$@ERR 001 0003 1669
#\$@EXM 001 0003 1557
#\$@FIL 001 0009 1637
#\$@FIS 001 0009 1633
#\$@FML 001 0052 1765
#\$@FMS 001 0052 1605
#\$@GRA 001 0003 1529
#\$@GUF 001 0010 1665
#\$@INL 001 0010 1745
#\$@INS 001 0010 1369
#\$@KAL 001 000F 1533
#\$@KCA 001 000C 1749
#\$@KCH 001 000C 1501
#\$@KCN 001 0010 1617
#\$@KCT 001 0009 1469
#\$@KDE 001 0010 1465
#\$@KDI 001 0005 1545
#\$@KDN 001 0010 1453
#\$@KDO 001 000C 1549
#\$@KED 001 000E 1389
#\$@KEN 001 0006 1393
#\$@KEX 001 0003 1413
#\$@KGO 001 0002 1385
#\$@KHE 001 000C 1569
#\$@KKE 001 0006 1797
#\$@KLI 001 0011 1473
#\$@KLL 001 0001 1773
#\$@KLO 001 0008 1477
#\$@KME 001 0003 1457
#\$@KMO 001 0004 1401
#\$@KNA 001 0008 1513
#\$@KOV 001 0009 1433
#\$@KPA 001 0005 1409
#\$@KPO 001 000D 1497
#\$@KPR 001 0009 1521
#\$@KRE 001 0002 1441

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SYMBOL LEN VALUE DEFN REFERENCES

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#\$@KRL	001	0004	1537	
#\$@KRM	001	0003	1405	
#\$@KRN	001	0003	1425	
#\$@KRO	001	000A	1429	
#\$@KRS	001	000A	1753	
#\$@KRU	001	0003	1449	
#\$@KRV	001	000D	1541	
#\$@KSA	001	0011	1485	
#\$@KSE	001	0004	1525	
#\$@KSO	001	000D	1577	3883
#\$@KSS	001	000B	1509	
#\$@KSV	001	0002	1505	
#\$@KSY	001	000F	1517	
#\$@KWI	001	0002	1445	
#\$@KWR	001	0002	1437	
#\$@LOA	001	0013	1377	
#\$@MIP	001	000D	1573	
#\$@SDS	001	0004	1685	
#\$@SFF	001	0008	1689	
#\$@SFL	001	0005	1681	
#\$@SFO	001	0003	1653	
#\$@SFS	001	0011	1649	
#\$@SPA	001	0004	1489	
#\$@SPO	001	0003	1493	
#\$@SPS	001	0001	1481	
#\$@STR	001	0002	1657	
#\$@TDC	001	0003	1461	
#\$@TSY	001	0003	1421	
#\$@TVK	001	0001	1597	
#\$@UAL	001	0011	1613	
#\$@UAT	001	000C	1709	
#\$@UCD	001	000B	1717	
#\$@UCN	001	0009	1701	
#\$@UCP	001	000F	1705	
#\$@UDE	001	000E	1721	
#\$@UDI	001	0008	1725	
#\$@UEX	001	000E	1609	
#\$@UIN	001	000F	1713	
#\$@UPA	001	0004	1693	
#\$@UPO	001	0005	1761	
#\$@UPT	001	0012	1757	
#\$@VCR	001	0008	1553	
#\$@VLO	001	0002	1589	
#\$@VOD	001	0016	1593	
#\$@VVM	001	0030	1601	
#\$@VXI	001	0002	1581	
#\$@ZDU	001	0008	1733	
#\$@ZLB	001	0002	1777	
#\$@ZLO	001	000C	1737	
#\$@ZLV	001	0006	1793	
#\$@ZL1	001	0007	1781	
#\$@ZL2	001	000D	1785	
#\$@ZL3	001	000A	1789	
#\$@ZTR	001	0001	1729	
#\$@ZUT	001	0014	1741	
#\$BCOM	001	0080	1371	

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#\$BOLV	001	1780	1643	
#\$DPRI	001	014C	1379	
#\$DREA	001	0200	1395	
#\$DSPL	001	0240	1415	
#\$ECMA	001	1900	1675	
#\$EFKE	001	1990	1695	
#\$ERRP	001	18C0	1667	
#\$EXMS	001	07D4	1555	
#\$FILN	001	1724	1635	
#\$FIST	001	1700	1631	
#\$FMLN	001	1E00	1763	
#\$FMST	001	0D00	1603	
#\$GRAP	001	0690	1527	
#\$GUFU	001	1880	1663	
#\$INLN	001	1C84	1743	
#\$INST	001	0020	1367	
#\$KALL	001	06A4	1531	
#\$KCAL	001	1CC4	1747	
#\$KCHA	001	053C	1499	
#\$KCND	001	0F80	1615	
#\$KCTL	001	03BC	1467	
#\$KDEL	001	035C	1463	
#\$KDIS	001	0744	1543	
#\$KDNT	001	0300	1451	
#\$KDOV	001	0780	1547	
#\$KEDI	001	0188	1387	
#\$KENA	001	01C4	1391	
#\$KEXT	001	0234	1411	
#\$KGOS	001	0180	1383	
#\$KHEL	001	0A30	1567	
#\$KKEY	001	2100	1795	
#\$KLIS	001	0400	1471	
#\$KLLA	001	2004	1771	
#\$KLOG	001	0444	1475	
#\$KMER	001	030C	1455	
#\$KMOU	001	0204	1399	
#\$KNAM	001	05C0	1511	
#\$KOVM	001	0290	1431	
#\$KPAS	001	0220	1407	
#\$KPOO	001	0508	1495	
#\$KPRT	001	063C	1519	
#\$KREA	001	02BC	1439	
#\$KRLA	001	0700	1535	
#\$KRMO	001	0214	1403	
#\$KRNU	001	0280	1423	
#\$KROV	001	028C	1427	
#\$KRSU	001	1D24	1751	
#\$KRUN	001	02CC	1447	
#\$KRLV	001	0710	1539	
#\$KSAY	001	0488	1483	
#\$KSET	001	0680	1523	
#\$KSOV	001	0AC8	1575	3882
#\$KSSP	001	0594	1507	
#\$KSVL	001	058C	1503	
#\$KSYM	001	0600	1515	
#\$KWID	001	02C4	1443	

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#\$KWR1	001	02B4	1435
#\$LOAD	001	0100	1375
#\$MIPP	001	0A80	1571
#\$SDSY	001	192C	1683
#\$SFFI	001	193C	1687
#\$SFLO	001	1918	1679
#\$SFOV	001	1844	1651
#\$SFSY	001	1800	1647
#\$SPAC	001	04CC	1487
#\$SPOV	001	04DC	1491
#\$SPSY	001	0484	1479
#\$STRO	001	1850	1655
#\$TDCK	001	0350	1459
#\$TSYK	001	0250	1419
#\$TVKB	001	0BAC	1595
#\$UALL	001	0F00	1611
#\$UATR	001	1A38	1707
#\$UCDI	001	1AD8	1715
#\$UCNF	001	19B8	1699
#\$UCPL	001	19DC	1703
#\$UDEL	001	1B24	1719
#\$UDIS	001	1B5C	1723
#\$UEXL	001	0EA8	1607
#\$UINI	001	1A88	1711
#\$UPAC	001	1980	1691
#\$UPOV	001	1D24	1759
#\$UPTF	001	1D5C	1755
#\$VCRT	001	07B4	1551
#\$VLOA	001	0B80	1587
#\$VODK	001	0B88	1591
#\$VVMR	001	0C00	1599
#\$VXIT	001	0B00	1579
#\$ZDUM	001	1BA4	1731
#\$ZLBM	001	2008	1775
#\$ZLOA	001	1BC4	1735
#\$ZLVR	001	20B0	1791
#\$ZL1M	001	2010	1779
#\$ZL2M	001	2030	1783
#\$ZL3M	001	2088	1787
#\$ZTRA	001	1B9C	1727
#\$ZUTM	001	1C14	1739
##DNEA	001	0001	1862
##DNEF	001	0003	1863
##DNER	001	0005	1864
##DNE1	001	0004	1861
##DNHC	001	0000	1858
##DNHR	001	0003	1860
##DNHY	001	0001	1859
##DPEA	001	0009	1836
##DPEN	001	0007	1835
##DPER	001	000B	1837
##DPE1	001	0004	1834
##DPHC	001	0000	1832
##DPHR	001	0003	1833
##DUEA	001	0009	1847
##DUED	001	0012	1852

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##DUEF	001	000B	1848	
##DUEH	001	002B	1853	
##DUEI	001	000C	1849	
##DUEL	001	000F	1851	
##DUEN	001	0007	1846	
##DUER	001	0031	1854	
##DUES	001	000D	1850	
##DUE1	001	000C	1845	
##DUHA	001	0001	1841	
##DUHB	001	0003	1842	
##DUHC	001	0004	1843	
##DUHR	001	000B	1844	
##LAAA	001	0002	1873	
##LAHC	001	0001	1872	
##LN	001	0001	1901	
##LNE	001	0006	1907	
##LNEF	001	0002	1905	
##LNEZ	001	0002	1906	
##LNH	001	0004	1904	
##LNHY	001	0001	1902	
##LNHZ	001	0002	1903	
##LP	001	0004	1877	
##LPE	001	000C	1882	
##LPEN	001	0008	1879	
##LPEZ	001	0002	1880	
##LPH	001	0004	1881	
##LPHZ	001	0003	1878	
##LU	001	0002	1886	
##LUE	001	0032	1897	
##LUED	001	0003	1894	
##LUEF	001	0002	1890	
##LUEH	001	0019	1895	
##LUEI	001	0001	1891	
##LUEL	001	0002	1893	
##LUEN	001	0008	1889	
##LUES	001	0001	1892	
##LUEZ	001	0006	1896	
##LUH	001	000C	1888	
##LUHZ	001	0007	1887	
##MNHM	001	002A	1930	
##MPHM	001	0055	1915	
##MUEG	001	0020	1922	
##MUEK	001	0040	1921	
##MUEO	001	0004	1925	
##MUEP	001	0080	1920	
##MUER	001	0008	1924	
##MUEV	001	0002	1926	
##MUEX	001	0010	1923	
##MUHM	001	000A	1919	
##RN	001	0000	1821	
##RP	001	0001	1822	
##R1	001	0007	1824	
##R2	001	0005	1823	
#KSETI	001	0000	0001	
@@E001	001	0000	1259	1261
@@E003	001	0001	1261	1263

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@@E004	001	0002	1263	1265
@@E005	001	0003	1265	1267
@@E006	001	0004	1267	1269
@@E007	001	0005	1269	1271
@@E008	001	0006	1271	1273
@@E009	001	0007	1273	1275
@@E010	001	0008	1275	1277
@@E011	001	0009	1277	1279
@@E012	001	000A	1279	1281
@@E013	001	000B	1281	1283
@@E014	001	000C	1283	1285
@@E015	001	000D	1285	1287
@@E016	001	000E	1287	1289
@@E017	001	000F	1289	1291
@@E018	001	0010	1291	1293
@@E019	001	0011	1293	1295
@@E020	001	0012	1295	1297
@@E021	001	0013	1297	1299
@@E023	001	0014	1299	1301
@@E024	001	0015	1301	1303
@@E025	001	0016	1303	1305
@@E026	001	0017	1305	1307
@@E027	001	0018	1307	1309
@@E028	001	0019	1309	1311
@@E029	001	001A	1311	1313
@@E030	001	001B	1313	1315
@@E031	001	001C	1315	1317
@@E032	001	001D	1317	1319
@@E035	001	001E	1319	1321
@@E036	001	001F	1321	1323
@@E037	001	0020	1323	1325
@@E038	001	0021	1325	1327
@@E039	001	0022	1327	1329
@@E040	001	0023	1329	1331
@@E041	001	0024	1331	1333
@@E042	001	0025	1333	1335
@@E043	001	0026	1335	1337
@@E044	001	0027	1337	1339
@@E045	001	0028	1339	1341
@@E046	001	0029	1341	1343
@@E060	001	002A	1343	1345
@@E080	001	002B	1345	
@@E100	001	0000	0731	0733
@@E101	001	0001	0733	0735
@@E102	001	0002	0735	0737
@@E103	001	0003	0737	0739
@@E110	001	0004	0739	0741 3755
@@E112	001	0005	0741	0743 3528
@@E113	001	0006	0743	0745 3520
@@E114	001	0007	0745	0747 3613
@@E115	001	0008	0747	0749 3590
@@E116	001	0009	0749	0751 3476
@@E117	001	000A	0751	0753 3544
@@E120	001	000B	0753	0755
@@E122	001	000C	0755	0757
@@E123	001	000D	0757	0759

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@@E124	001	000E	0759	0761	
@@E129	001	000F	0761	0763	
@@E130	001	0010	0763	0765	3398
@@E131	001	0011	0765	0767	
@@E133	001	0012	0767	0769	3629
@@E134	001	0013	0769	0771	
@@E135	001	0014	0771	0773	
@@E136	001	0015	0773	0775	
@@E137	001	0016	0775	0777	
@@E138	001	0017	0777	0779	
@@E139	001	0018	0779	0781	3388
@@E142	001	0019	0781	0783	
@@E143	001	001A	0783	0785	
@@E150	001	001B	0785	0787	3416
@@E151	001	001C	0787	0789	3450
@@E160	001	001D	0789	0791	3515 3609
@@E162	001	001E	0791	0793	
@@E163	001	001F	0793	0795	
@@E164	001	0020	0795	0797	
@@E200	001	0021	0797	0799	
@@E205	001	0022	0799	0801	
@@E210	001	0023	0801	0803	
@@E211	001	0024	0803	0805	
@@E212	001	0025	0805	0807	
@@E213	001	0026	0807	0809	
@@E215	001	0027	0809	0811	
@@E216	001	0028	0811	0813	
@@E217	001	0029	0813	0815	
@@E220	001	002A	0815	0817	
@@E221	001	002B	0817	0819	
@@E222	001	002C	0819	0821	
@@E223	001	002D	0821	0823	
@@E225	001	002E	0823	0825	
@@E226	001	002F	0825	0827	
@@E227	001	0030	0827	0829	
@@E228	001	0031	0829	0831	
@@E229	001	0032	0831	0833	
@@E230	001	0033	0833	0835	
@@E232	001	0034	0835	0837	
@@E234	001	0035	0837	0839	
@@E237	001	0036	0839	0841	
@@E240	001	0037	0841	0843	
@@E241	001	0038	0843	0845	
@@E242	001	0039	0845	0847	
@@E248	001	003A	0847	0849	
@@E249	001	003B	0849	0851	
@@E250	001	003C	0851	0853	
@@E251	001	003D	0853	0855	
@@E252	001	003E	0855	0857	
@@E253	001	003F	0857	0859	
@@E254	001	0040	0859	0861	
@@E255	001	0041	0861	0863	
@@E256	001	0042	0863	0865	
@@E300	001	0043	0865	0867	
@@E301	001	0044	0867	0869	
@@E302	001	0045	0869	0871	

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@@E303 001 0046 0871 0873
@@E304 001 0047 0873 0875
@@E305 001 0048 0875 0877
@@E308 001 0049 0877 0879
@@E310 001 004A 0879 0881
@@E315 001 004B 0881 0883
@@E316 001 004C 0883 0885
@@E320 001 004D 0885 0887
@@E325 001 004E 0887 0889
@@E330 001 004F 0889 0891
@@E335 001 0050 0891 0893
@@E338 001 0051 0893 0895
@@E340 001 0052 0895 0897
@@E350 001 0053 0897 0899
@@E351 001 0054 0899 0901
@@E352 001 0055 0901 0903
@@E360 001 0056 0903 0905
@@E361 001 0057 0905 0907
@@E362 001 0058 0907 0909
@@E371 001 0059 0909 0911
@@E380 001 005A 0911 0913
@@E390 001 005B 0913 0915
@@E400 001 005C 0915 0917
@@E410 001 005D 0917 0919
@@E415 001 005E 0919 0921
@@E417 001 005F 0921 0923
@@E420 001 0060 0923 0925
@@E430 001 0061 0925 0927
@@E432 001 0062 0927 0929
@@E433 001 0063 0929 0931
@@E450 001 0064 0931 0933
@@E451 001 0065 0933 0935
@@E460 001 0066 0935 0937
@@E461 001 0067 0937 0939
@@E464 001 0068 0939 0941
@@E465 001 0069 0941 0943
@@E466 001 006A 0943 0945
@@E467 001 006B 0945 0947
@@E469 001 006C 0947 0949
@@E470 001 006D 0949 0951
@@E471 001 006E 0951 0953
@@E473 001 006F 0953 0955
@@E474 001 0070 0955 0957
@@E475 001 0071 0957 0959
@@E476 001 0072 0959 0961
@@E477 001 0073 0961 0963
@@E478 001 0074 0963 0965
@@E479 001 0075 0965 0967
@@E480 001 0076 0967 0969
@@E481 001 0077 0969 0971
@@E482 001 0078 0971 0973
@@E483 001 0079 0973 0975
@@E484 001 007A 0975 0977
@@E485 001 007B 0977 0979
@@E486 001 007C 0979 0981
@@E487 001 007D 0981 0983

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@@E488	001	007E	0983	0985
@@E489	001	007F	0985	0987
@@E490	001	0080	0987	0989
@@E491	001	0081	0989	0991
@@E492	001	0082	0991	0993
@@E493	001	0083	0993	0995
@@E494	001	0084	0995	0997
@@E495	001	0085	0997	0999
@@E496	001	0086	0999	1001
@@E497	001	0087	1001	1003
@@E498	001	0088	1003	1005
@@E500	001	0089	1005	1007
@@E501	001	008A	1007	1009
@@E530	001	008B	1009	1011
@@E531	001	008C	1011	1013
@@E535	001	008D	1013	1015
@@E540	001	008E	1015	1017
@@E541	001	008F	1017	1019
@@E542	001	0090	1019	1021
@@E543	001	0091	1021	1023
@@E544	001	0092	1023	1025
@@E545	001	0093	1025	1027
@@E546	001	0094	1027	1029
@@E547	001	0095	1029	1031
@@E548	001	FFFF	1235	
@@E549	001	0096	1031	1033
@@E550	001	0097	1033	1035
@@E551	001	0098	1035	1037
@@E552	001	0099	1037	1039
@@E553	001	009A	1039	1041
@@E554	001	009B	1041	1043
@@E555	001	009C	1043	1045
@@E556	001	009D	1045	1047
@@E558	001	009E	1047	1049
@@E570	001	009F	1049	1051
@@E571	001	00A0	1051	1053
@@E572	001	00A1	1053	1055
@@E573	001	00A2	1055	1057
@@E574	001	00A3	1057	1059
@@E575	001	FFFF	1237	
@@E578	001	00A4	1059	1061
@@E579	001	FFFF	1239	
@@E580	001	FFFF	1241	
@@E585	001	00A5	1061	1063
@@E595	001	FFFF	1243	
@@E597	001	FFFF	1245	
@@E598	001	FFFF	1247	
@@E600	001	00A6	1063	1065
@@E601	001	00A7	1065	1067
@@E602	001	00A8	1067	1069
@@E603	001	00A9	1069	1071
@@E604	001	00AA	1071	1073
@@E606	001	00AB	1073	1075
@@E607	001	00AC	1075	1077
@@E608	001	00AD	1077	1079
@@E609	001	00AE	1079	1081

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@@E610	001	00AF	1081	1083
@@E611	001	00B0	1083	1085
@@E612	001	00B1	1085	1087
@@E613	001	00B2	1087	1089
@@E614	001	00B3	1089	1091
@@E700	001	00B4	1091	1093
@@E701	001	00B5	1093	1095
@@E710	001	00B6	1095	1097
@@E712	001	00B7	1097	1099
@@E713	001	00B8	1099	1101
@@E714	001	00B9	1101	1103
@@E715	001	00BA	1103	1105
@@E716	001	00BB	1105	1107
@@E717	001	00BC	1107	1109
@@E718	001	00BD	1109	1111
@@E720	001	00BE	1111	1113
@@E721	001	00BF	1113	1115
@@E723	001	00C0	1115	1117
@@E724	001	00C1	1117	1119
@@E725	001	00C2	1119	1121
@@E726	001	00C3	1121	1123
@@E727	001	00C4	1123	1125
@@E728	001	00C5	1125	1127
@@E729	001	00C6	1127	1129
@@E730	001	00C7	1129	1131
@@E732	001	00C8	1131	1133
@@E752	001	00C9	1133	1135
@@E753	001	00CA	1135	1137
@@E754	001	00CB	1137	1139
@@E755	001	00CC	1139	1141
@@E756	001	00CD	1141	1143
@@E757	001	00CE	1143	1145
@@E758	001	00CF	1145	1147
@@E759	001	00D0	1147	1149
@@E760	001	00D1	1149	1151
@@E761	001	00D2	1151	1153
@@E762	001	00D3	1153	1155
@@E763	001	00D4	1155	1157
@@E764	001	00D5	1157	1159
@@E765	001	00D6	1159	1161
@@E766	001	00D7	1161	1163
@@E767	001	00D8	1163	1165
@@E768	001	00D9	1165	1167
@@E769	001	00DA	1167	1169
@@E770	001	00DB	1169	1171
@@E771	001	00DC	1171	1173
@@E772	001	00DD	1173	1175
@@E773	001	00DE	1175	1177
@@E774	001	00DF	1177	1179
@@E775	001	00E0	1179	1181
@@E776	001	00E1	1181	1183
@@E777	001	00E2	1183	1185
@@E778	001	00E3	1185	1187
@@E779	001	00E4	1187	1189
@@E780	001	00E5	1189	1191
@@E781	001	00E6	1191	1193

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@@E782	001	00E7	1193	1195
@@E783	001	00E8	1195	1197
@@E784	001	00E9	1197	1199
@@E785	001	00EA	1199	1201
@@E786	001	00EB	1201	1203
@@E790	001	00EC	1203	1205
@@E791	001	00ED	1205	1207
@@E792	001	00EE	1207	1209
@@E793	001	00EF	1209	1211
@@E794	001	00F0	1211	1213
@@E795	001	00F1	1213	1215
@@E796	001	00F2	1215	1217
@@E797	001	00F3	1217	1219
@@E798	001	00F4	1219	1221
@@E800	001	FFFF	1249	
@@E801	001	FFFF	1251	
@@E802	001	FFFF	1253	
@@E803	001	FFFF	1255	
@@E804	001	FFFF	1257	
@@E900	001	00F5	1221	1223
@@E901	001	00F6	1223	1225
@@E902	001	00F7	1225	1227
@@E903	001	00F8	1227	1229
@@E905	001	00F9	1229	1231
@@E906	001	00FA	1231	1233
@@E910	001	00FB	1233	
@ALTFLL	001	0001	2008	
@ARR	001	0008	0016	3753
@ASIGN	001	007C	0071	3413
@ASTER	001	005C	0069	
@BCRDL	001	0050	0088	
@BE	001	0081	0043	
@BF	001	0090	0052	
@BH	001	0084	0041	
@BKSPC	001	0010	2105	
@BL	001	0082	0042	
@BLANK	001	0040	0065	3758 3764
@BM	001	0082	0054	
@BNE	001	0001	0046	3749
@BNH	001	0004	0044	
@BNL	001	0002	0045	
@BNM	001	0002	0057	
@BNOL	001	0020	0050	
@BNOZ	001	0008	0049	
@BNP	001	0004	0056	
@BNZ	001	0001	0058	
@BOL	001	00A0	0048	
@BOZ	001	0088	0047	
@BP	001	0084	0053	
@BR	001	0001	0013	3366 3367* 3376 3377 3378 3379 3380 3381 3421 3427 3428 3437 3438 3439 3448 3452 3458 3462 3467 3478 3486 3498 3507 3511 3517 3518 3522 3527 3530 3537 3542 3546 3549 3563 3564 3572 3577 3584 3589 3597 3611 3617 3644 3645 3645 3646 3647 3647 3648 3648 3649 3649 3650 3650 3651 3652 3652 3653
@BT	001	0010	0051	
@BZ	001	0081	0055	

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@DEFLG	001	0002	2009	
@DERCE	001	0020	2039	
@DERD2	001	0008	2031	
@DEREQ	001	0010	2030	
@DERIN	001	0040	2028	
@DERMA	001	0020	2029	
@DERNR	001	0004	2032	
@DERR	001	0000	2003	
@DERSC	001	0001	2034	
@DERTC	001	0002	2033	
@DFCR	001	0006	1989	
@DFDR	001	0004	1990	
@DGET	001	0001	0134	3876 3881 3889
@DHARD	001	0000	2017	
@DLNCT	001	000F	2103	
@DLNLG	001	0040	2102	
@DOLAR	001	005B	0068	3415
@DOP2	001	0004	0028	
@DPLNG	001	0006	0132	
@DPOS	001	0000	0133	
@DPUT	001	0002	0135	
@DREAD	001	0001	1993	
@DSAD	001	0002	0127	3644 3644* 3649*
@DSBCY	001	0004	0106	2681
@DSBSY	001	0092	2098	
@DSCS1	001	0000	0107	2682
@DSEEK	001	0000	1992	
@DSIVF	001	0003	0138	
@DSPIN	001	0002	0131	
@DTRSZ	001	0018	0085	
@DUNSF	001	0080	2035	
@DVBCY	001	0007	0108	2740
@DVERY	001	0003	1998	
@DVRFY	001	0031	0136	
@DVST1	001	0002	2004	
@DVST2	001	0003	2005	
@DWAIT	001	00FF	0137	
@DWBCY	001	0005	0103	2737
@DWRIT	001	0002	1994	
@DWSIZ	001	00C0	0105	
@DWTB1	001	0003	0104	2738
@DZERO	001	00F0	0064	
@D1	001	0002	0026	
@EOF	001	001C	0077	
@EOFTC	001	0075	0162	
@EOS	001	001E	0076	2753 3766
@ER37B	001	00F0	2119	
@FDDBC	001	0000	0195	
@FDE1	001	000C	0200	
@FDFNA	001	000B	0198	
@FDHLN	001	0002	0208	
@FDLNC	001	0002	0193	
@FDNSC	001	0003	0210	
@FDSD	001	0000	0206	
@FLACE	001	0009	0197	
@FLDBC	001	0001	0196	

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@FLDIN	001	0012	2091	
@FLENT	001	0004	0201	
@FLFNA	001	0002	0199	
@FLHLN	001	0002	0209	
@FLLNC	001	0002	0194	
@FLNSC	001	0001	0211	
@FLSD	001	0001	0207	
@HDRLN	001	0007	0092	0672
@HSTAD	001	0009	2015	
@HSTEN	001	0007	2014	
@HSTPE	001	0006	2013	
@HSTQR	001	0001	2011	
@HSTSN	001	0005	2012	
@HSTVI	001	000F	2016	
@IAR	001	0010	0017	
@ID37B	001	0040	2155	
@INDEX	001	0001	0156	0157
@INST3	001	0003	0032	
@INST4	001	0004	0033	
@INST5	001	0005	0034	
@INST6	001	0006	0035	3376 3377 3378
@IP37B	001	00C0	2154	
@I1IAR	001	00C0	0020	
@KCMDK	001	0020	2065	
@KELOK	001	001B	2064	
@KENAB	001	001E	2062	
@KEXIT	001	001F	2063	
@KEYBD	001	0010	2082	
@KFUNK	001	0010	2085	
@KHARD	001	0011	2090	
@KLEAR	001	000D	2086	
@LINSZ	001	00F4	0084	0646
@LO37B	001	00F0	2123	
@MAPEN	001	0005	0089	
@MINCR	001	2000	0083	
@MINUS	001	0060	0080	
@NOP	001	0080	0040	
@NORFL	001	0000	2010	
@NTRDY	001	00A0	2147	
@NUMBR	001	007B	0070	3411
@OPD2	001	0004	0029	
@OP1	001	0003	0027	3753*
@OP2	001	0005	0031	3376* 3377* 3378*
@OVRUN	001	0004	2040	
@PBUSY	001	00E2	2052	
@PCAR	001	00E6	2049	
@PCNT	001	0003	1984	
@PCTRL	001	0000	0149	
@PCYL	001	0001	1982	
@PC37B	001	00F2	2139	
@PDAR	001	00E4	2048	
@PDATA	001	0003	0151	
@PD37B	001	0080	2153	
@PERR	001	00E0	2055	
@PFLAG	001	0000	1981	
@PFORM	001	00E1	2053	

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@PGCSZ	001	0020	0082	0083
@PLITE	001	00E2	2054	
@PLNGH	001	0004	2045	
@PMGCK	001	0020	2056	
@PN37B	001	00F0	2138	
@PPLNG	001	0004	0148	
@PRCNT	001	0001	0150	
@PRETR	001	00C0	0154	
@PRINT	001	0040	0152	0154
@PRITY	001	0080	2089	
@PSAD	001	0002	1983	
@PSIOQ	001	00E0	2051	
@PSIOR	001	0000	2050	
@PSNSQ	001	00E2	2057	
@PSR	001	0004	0015	
@PWAIT	001	00FF	0158	
@P1IAR	001	0020	0018	
@P2IAR	001	0040	0019	
@Q	001	0001	0024	3568 3580 3593 3772
@RD37B	001	00F1	2133	
@REGL	001	0002	0012	
@RETRN	001	0080	0153	0154
@RLDWN	001	004F	0159	
@RTCNT	001	0003	2047	
@RTRNC	001	0080	0161	
@RT37B	001	0005	2146	
@SBLN	001	0005	0170	
@SBLNL	001	0002	0184	
@SCTSZ	001	0100	0100	
@SDFLN	001	0007	0090	
@SDF0	001	0000	0166	
@SDF1	001	0001	0167	
@SDF2	001	0002	0168	
@SDF3	001	0003	0169	
@SECCY	001	0030	0086	
@SIST	001	0001	0181	
@SKCTL	001	0000	1997	
@SLASH	001	0061	0067	
@SLAST	001	0002	0183	
@SMIDL	001	0003	0182	
@SNSB0	001	0000	2021	
@SNSB1	001	0001	2022	
@SNSB2	001	0002	2023	
@SNSB3	001	0003	2024	
@SNULL	001	0080	0173	
@SN37B	001	00F2	2127	
@SONLY	001	0000	0180	
@SPINA	001	00A0	2006	
@SPINB	001	00B0	2007	
@STEXT	001	0007	0172	
@STYPE	001	0006	0171	
@SYCNT	001	0002	2046	
@TBCNT	001	0000	0160	
@TBLEF	001	0010	0155	0157
@TBLIX	001	0011	0157	
@TJ37B	001	0040	2144	

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@TYPAM	001	0002	2088
@TYPO	001	001C	2087
@UCB	001	0087	0039
		3750	3761
@UPARW	001	005A	0078
@VADDR	001	0002	0141
		2474	2910
		3007	3010
		2922	2923
		3013	3016
		2924	2924
		3019	3022
		2938	2938
		3025	3034
		2941	2943
		3037	3040
		2967	3043
		2968	3046
@VENTA	001	0056	0113
@VMDDV	001	00FE	0114
@VMFD1	001	0000	0109
@VMFD2	001	0001	0110
@VMRS3	001	0002	0112
@VMTRL	001	0001	0111
@VOLID	001	0006	0091
@VQ	001	0001	0025
@WA37B	001	00FF	2152
@WSFIT	001	0500	0101
@WSTBL	001	0503	0102
@XR	001	0002	0014
		3386*	3387
		3397	3403
		3407	3409
		3411	3413
		3415	3421*
		3425	3432
		3439*	3443
		3448*	3449
		3452*	3453
		3456	3460
		3467*	3475
		3478*	3497
		3503	3505
		3507*	3512
		3514	3518*
		3519	3522*
		3523	3525
		3535	3537*
		3538	3540
		3542*	3543
		3546*	3547
		3549*	3550
		3550	3562
		3562*	3564
		3564	3572*
		3577	3584*
		3589	3597*
		3608	3611*
		3612	3615
		3615	3617*
		3617*	3618
		3618	3628
		3754	
		3757	3757*
		3758	3760
		3763	3763*
		3764	3766
		3766	3768
@ZERO	001	0000	0062
@4K	001	0010	2106
B\$ADMK	001	0001	2378
B\$ADSW	001	159D	2377
B\$ARMK	001	0001	2363
B\$ARSW	001	0A45	2362
B\$BABF	001	1D00	2168
B\$BCKT	001	1590	2290
B\$BDPL	001	19E8	2242
B\$BDSA	001	19EA	2243
B\$BINO	001	1A6A	2306
B\$BRLN	001	19F1	2241
B\$BROP	001	1AF7	2347
B\$BRVA	001	19EF	2240
B\$BRVP	001	19EE	2239
B\$BTAB	001	1996	2238
B\$CADR	001	1AF9	2348
B\$CASA	001	0000	2183
B\$CASC	001	0671	2187
B\$CASM	001	0608	2185
B\$CBAS	001	14BB	2313
B\$CBFA	001	0CBC	2268
B\$CCGT	001	0600	2193
B\$CCLS	001	0695	2199
B\$CCON	001	001F	2266
B\$CDAT	001	0600	2179
B\$CDEF	001	0600	2180
B\$CDIM	001	0673	2181
B\$CDUM	001	0000	2217
B\$CEND	001	0600	2215
			2216
B\$CEOFO	001	0600	2216
B\$CFOR	001	0600	2188
B\$CGET	001	06A3	2196

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B\$CGSB	001	0690	2194												
B\$CGTO	001	06B3	2192												
B\$CIFA	001	0600	2190												
B\$CIFC	001	0600	2191												
B\$CIMG	001	0600	2205												
B\$CINP	001	0600	2200												
B\$CLTA	001	0000	2182												
B\$CLTC	001	0669	2186												
B\$CLTM	001	0600	2184												
B\$CMAT	001	0600	2206												
B\$CMGT	001	0665	2207												
B\$CMIN	001	06D3	2208												
B\$CMPR	001	069B	2211												
B\$CMPT	001	069B	2210												
B\$CMPU	001	0600	2212												
B\$CMRD	001	06D0	2209												
B\$CNXT	001	0600	2189												
B\$CPCT	001	0CA8	2271												
B\$CPRT	001	0600	2203												
B\$CPRU	001	0600	2204												
B\$CPSE	001	06E7	2213												
B\$CPUT	001	0600	2197												
B\$CPWA	001	0CA6	2342												
B\$CRAD	001	150D	2312												
B\$CRBS	001	1509	2314												
B\$CREA	001	06CF	2201												
B\$CREM	001	0000	2178												
B\$CRMK	001	0001	2390												
B\$CRSR	001	06E3	2202												
B\$CRST	001	06A6	2198												
B\$CRSW	001	0E42	2389												
B\$CRTN	001	06CF	2195												
B\$CSBF	001	0600	2165	2179	2180	2181	2184	2185	2186	2187	2188	2189	2190	2191	2192
				2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204
				2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2218
				2219	2220	2221	2222								
B\$CSCN	001	14B0	2287												
B\$CSMK	001	0007	2393												
B\$CSSW	001	14BC	2392												
B\$CSTP	001	06D6	2214												
B\$CSTR	001	14CC	2311												
B\$CSXA	001	2000	2171												
B\$CTYP	001	0A5F	2265												
B\$CVPD	001	0C5D	2270												
B\$CVPG	001	0CA5	2269												
B\$CWRK	001	F500	2339												
B\$DIST	001	0700	2231												
B\$DLNK	001	1B37	2337												
B\$DL4T	001	1A6B	2308												
B\$DPWA	001	0E46	2343												
B\$DST2	001	073A	2232												
B\$ERMK	001	0007	2366												
B\$ERSW	001	0993	2365												
B\$FACA	001	0E53	2274												
B\$FAIS	001	15AC	2291												
B\$FAIW	001	15A0	2292												

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B\$FCON	001	0A46	2264
B\$FORT	001	1B0E	2333
B\$FPWA	001	15AC	2344
B\$FRMK	001	0007	2384
B\$FRSW	001	16CC	2383
B\$FSC1	001	0E4C	2275
B\$FSC2	001	0E4D	2276
B\$FSMK	001	0007	2375
B\$FSSW	001	0E5C	2374
B\$FSVA	001	0E4F	2277
B\$FTND	001	1B0B	2335
B\$FTPT	001	1B0D	2334
B\$FVME	001	15A2	2296
B\$FVMP	001	15A4	2297
B\$FVMS	001	15A6	2298
B\$FVPE	001	15A8	2293
B\$FVPP	001	15AA	2294
B\$FVPS	001	15AC	2295
B\$GBSW	001	08AF	2368
B\$GBWK	001	0001	2369
B\$GETC	001	0867	2245
B\$GPTR	001	0878	2247
B\$GTBF	001	1E00	2169
B\$IFMK	001	0007	2387
B\$IFSW	001	16E5	2386
B\$INVT	001	1B38	2327
B\$KWMK	001	0001	2381
B\$KWSW	001	159E	2380
B\$LBAS	001	185E	2318
B\$LBSV	001	18E7	2316
B\$LDRP	001	1A00	2166
B\$LINE	001	07D0	2233
B\$LIST	001	1853	2300
B\$LRTN	001	18EB	2317
B\$LSTR	001	1862	2315
B\$LTYP	001	18F2	2301
B\$MATR	001	18F3	2303
B\$MBMK	001	0007	2402
B\$MBSW	001	1903	2401
B\$MFBK	001	1B8F	2329
B\$MGMK	001	0007	2399
B\$MGSW	001	18FF	2398
B\$MPMK	001	0007	2405
B\$MPSW	001	1981	2404
B\$MRMK	001	0007	2396
B\$MRSW	001	0DDE	2395
B\$NUMC	001	0873	2246
B\$NXMK	001	0007	2372
B\$NXSW	001	071D	2371
B\$PARP	001	0A41	2254
B\$PBNL	001	0A01	2260
B\$PCAD	001	0A40	2255
B\$PCDL	001	09D3	2259
B\$PCPG	001	0A35	2258
B\$PECT	001	0A44	2262
B\$PERC	001	0A39	2261

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B\$PFAE	001	0033	2252					
B\$PFCL	001	009D	2253					
B\$PFNC	001	094E	2250					
B\$PFWP	001	0015	2251					
B\$PNBY	001	0A41	2256					
B\$PPWA	001	0A35	2341					
B\$PRM1	001	1AF3	2345					
B\$PTBF	001	1F00	2170					
B\$PUTC	001	093A	2249					
B\$PVAD	001	0A43	2257					
B\$RMRK	001	1AE6	2310					
B\$RTRN	001	1AF5	2346					
B\$SABF	001	1C00	2167					
B\$SCAN	001	1514	2289					
B\$SCAT	001	13C8	2284					
B\$SCON	001	001B	2267					
B\$SCVT	001	12E0	2282					
B\$SDPL	001	07DA	2235					
B\$SFAB	001	0E48	2279					
B\$SFNT	001	143C	2285					
B\$SLDT	001	109C	2281					
B\$SLVT	001	1062	2280					
B\$SNAT	001	131A	2283					
B\$SPAT	001	07E0	2236					
B\$SSTA	001	1BAC	2331					
B\$STAS	001	061B	2220					
B\$STIF	001	0606	2222					
B\$STMA	001	061B	2221					
B\$STML	001	0600	2219					
B\$STRL	001	0600	2218					
B\$SVRB	001	0E46	2278					
B\$SYMB	001	0DBC	2273					
B\$TCD2	001	0001	2351					
B\$TLTH	001	0002	2352	2353				
B\$TOD1	001	0000	2350					
B\$TOTB	001	1AF8	2353					
B\$TTAB	001	1AFA	2349	2353				
B\$TYPE	001	0739	2234					
B\$WORK	001	15A0	2338					
B\$ZDBN	001	19F2	2305					
B@ABAS	001	0007	2938					
B@ACD1	001	0001	2935	2936				
B@ACD2	001	0003	2936	2937				
B@AFLG	001	0000	2930					
B@ALLA	001	005C	2755					
B@AMAX	001	0005	2937	2938				
B@BLNK	001	0040	2764	3387				
B@BLSZ	001	0100	2889	3028	3031	3034	3049	3052
B@BREQ	001	0084	2544					
B@BRHI	001	0088	2545					
B@BRLO	001	0082	2543					
B@BRNE	001	0094	2547					
B@BRNH	001	0098	2548					
B@BRNL	001	0092	2546					
B@cadd	001	0006	2413					
B@cadf	001	0058	2454					

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B@CBAS 001 0003 2941

B@CBNX 001 004A 2447

B@CBRA 001 0046 2445

B@CBRC 001 0044 2444

B@CBRD 001 0048 2446

B@CBRS 001 004C 2448

B@CCLS 001 005E 2457

B@CCMC 001 0042 2443

B@CCMF 001 0040 2442

B@CCNT 001 001F 2867

B@CCSA 001 003E 2441

B@CDCA 001 006A 2463

B@CDDL 001 006C 2464

B@CDIV 001 000C 2416

B@CDMN 001 0001 2940 2941

B@CDWA 001 006E 2465

B@CEOFO 001 0070 2466

B@CEOP 001 0068 2462

B@CFCI 001 0016 2421

B@CFN0 001 0012 2419

B@CFN1 001 0014 2420

B@CFOR 001 004E 2449

B@CGET 001 0052 2451

B@CHAR 001 0000 2880

B@CHLT 001 0004 2412

B@CIEX 001 00C5 2840

B@CIMH 001 0066 2461

B@CINI 001 0056 2453

B@CIPI 001 00D7 2843

B@CIS2 001 00E2 2846

B@CMF1 001 0018 2422

B@CMF2 001 001A 2423

B@CMF3 001 001C 2424

B@CMMA 001 006B 2775 3460

B@CMPY 001 000A 2415

B@CMSM 001 001E 2425

B@CNEG 001 0010 2418

B@CNXT 001 0050 2450

B@COLN 001 007A 2777

B@CPMK 001 00FF 2685 2689 2693 2694 2728

B@CPRS 001 0060 2458

B@CPRU 001 0062 2459

B@CPUT 001 0054 2452

B@CPWR 001 000E 2417

B@CRSR 001 005A 2455

B@CRST 001 005C 2456

B@CSA1 001 0036 2437

B@CSA2 001 0038 2438

B@CSB1 001 003A 2439

B@CSC1 001 002A 2431

B@CSD0 001 002E 2433

B@CSD1 001 0030 2434

B@CSD2 001 0032 2435

B@CSF1 001 0022 2427

B@CSF2 001 0024 2428

B@CSTA 001 0034 2436

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B@CSTC	001	0028	2430	
B@CSTF	001	0020	2426	
B@CSTH	001	0064	2460	
B@CSTX	001	003C	2440	
B@CSUB	001	0008	2414	
B@CSVC	001	0002	2411	
B@CTYP	001	0020	2865	
B@CUSC	001	002C	2432	
B@CUSF	001	0026	2429	
B@CVAR	001	005B	2754	3432
B@DAMK	001	0080	2933	
B@DASA	001	00FF	2694	
B@DASC	001	0040	2698	
B@DASM	001	0038	2696	
B@DCGT	001	0050	2704	
B@DCLS	001	0054	2710	
B@DDAT	001	0024	2690	
B@DDEF	001	0034	2691	
B@DDIM	001	0004	2692	
B@DDUM	001	00FF	2728	
B@DEC0	001	00F0	2823	3425 3449 3453 3512 3519 3523 3543 3547 3550
B@DEC1	001	00F1	2824	
B@DEC2	001	00F2	2825	
B@DEC3	001	00F3	2826	
B@DEC4	001	00F4	2827	
B@DEC5	001	00F5	2828	
B@DEC6	001	00F6	2829	
B@DEC7	001	00F7	2830	
B@DEC8	001	00F8	2831	
B@DEC9	001	00F9	2832	
B@DEND	001	0058	2726	2727
B@DEOF	001	0058	2727	
B@DFOR	001	0028	2699	
B@DGET	001	0040	2707	
B@DGSB	001	0020	2705	
B@DGTO	001	0044	2703	
B@DIFA	001	0048	2701	
B@DIFC	001	004C	2702	
B@DIGS	001	007B	2757	
B@DIMG	001	003C	2716	
B@DINP	001	0000	2711	
B@DIVD	001	0061	2774	
B@DLTA	001	00FF	2693	
B@DLTC	001	0040	2697	
B@DLTM	001	0038	2695	
B@DL01	001	0001	3008	3011
B@DL02	001	0003	3011	3014
B@DL03	001	0005	3014	3017
B@DL04	001	0007	3017	3020
B@DL05	001	0009	3020	3023
B@DL06	001	000B	3023	3026 3965
B@DL07	001	0045	3026	3029 3966
B@DL08	001	0145	3029	3032
B@DL09	001	0245	3032	3035
B@DL10	001	0289	3035	3038 3967
B@DL11	001	02C3	3038	3041 3968

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B@DL12	001	02FD	3041	3044	3969
B@DL13	001	0337	3044	3047	
B@DL14	001	0371	3047	3050	
B@DL15	001	0471	3050	3053	
B@DL16	001	0507	3053	3826	
B@DMAT	001	0008	2717		
B@DMGT	001	0044	2718		
B@DMIN	001	0038	2719		
B@DMPR	001	0048	2722		
B@DMPT	001	004C	2721		
B@DMPU	001	0054	2723		
B@DMRD	001	003C	2720		
B@DNXT	001	0044	2700		
B@DPNT	001	004B	2765	3514	3525
B@DPRT	001	002C	2714		
B@DPRU	001	0030	2715		
B@DPSE	001	0050	2724		
B@DPUT	001	0040	2708		
B@DREA	001	000C	2712		
B@DREM	001	00FF	2689		
B@DRSR	001	005C	2713		
B@DRST	001	0050	2709		
B@DRTN	001	005C	2706		
B@DSCY	001	0004	2681		
B@DSIF	001	001C	2730		
B@DSLTD	001	0010	2729		
B@DSML	001	0010	2731		
B@DSNS	001	0018	2683		
B@DSS1	001	0000	2682		
B@DSTP	001	0054	2725		
B@DTBN	001	0010	2747		
B@DTB1	001	0050	2746		
B@DTCY	001	0009	2743		
B@DTSN	001	0010	2745		
B@DTS1	001	0040	2744		
B@DTYP	001	0040	2859		
B@DVCY	001	0007	2740		
B@DVC1	001	0056	2741		
B@DWCY	001	0005	2737		
B@DWT1	001	0003	2738		
B@D1MK	001	0080	2931		
B@D2MK	001	00C0	2932		
B@EOST	001	001E	2753	3397	3612
B@EQL	001	007E	2779	3475	
B@EXPC	001	00C5	2756	3535	
B@FOFL	001	005C	2758		
B@FVAD	001	0001	2943		
B@GETC	001	0001	2882		
B@GETE	001	00FF	2883		
B@GETS	001	0000	2881		
B@GRTR	001	006E	2776		
B@ICON	001	0050	2838	3497	
B@LADD	001	0001	2482		
B@LADF	001	0002	2523		
B@LADV	001	0008	2967	2988	
B@LBIN	001	0002	2892	2893	2899

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B@LBNX	001	0003	2516								
B@LBRA	001	0003	2514								
B@LBRC	001	0004	2513								
B@LBRD	001	0003	2515								
B@LBRS	001	0001	2517								
B@LCCA	001	0004	2923								
B@LCCC	001	0001	2475	2513							
B@LCDV	001	0004	2968	2989							
B@LCER	001	0001	2473	2537							
B@LCFN	001	0004	2924								
B@LCLN	001	0002	2478	2529 2530 2537							
B@LCLS	001	0001	2526								
B@LCMC	001	0001	2512								
B@LCMF	001	0001	2511								
B@LCNA	001	0006	2922								
B@LCNN	001	0001	2476	2501 2510 2522 2534							
B@LCOP	001	0001	2472	2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491							
				2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503							
				2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515							
				2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527							
				2528 2529 2530 2531 2532 2533 2534 2535							
B@LCRV	001	0013	2966	2986							
B@LCSA	001	0002	2510								
B@LCVA	001	0002	2474	2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2499 2500							
				2502 2503 2504 2505 2506 2507 2508 2513 2514 2515 2516 2518							
B@LCXX	001	0001	2477	2509 2521 2523 2527 2528							
B@LDAT	001	0004	2636								
B@LDCA	001	0003	2532								
B@LDL	001	0003	2533								
B@LDDM	001	0004	2896								
B@LDEF	001	0003	2637								
B@LDIM	001	0003	2638								
B@LDIN	001	0004	2895	2896 2897							
B@LDIV	001	0001	2485								
B@LDMN	001	0002	2893	2922 2923 2935 2936 2937 2940 2967 2968							
B@LDSN	001	0004	2897								
B@LDWA	001	0002	2534								
B@LELP	001	0010	2965	3380							
B@LEND	001	0003	2665								
B@LEOF	001	0001	2535								
B@LEOP	001	0001	2531								
B@LERC	001	0003	2537								
B@LESP	001	0008	2964	3924							
B@LESS	001	004C	2766								
B@LET\$	001	005B	2786								
B@LET#	001	007B	2787								
B@LET@	001	007C	2788								
B@LETA	001	00C1	2790								
B@LETB	001	00C2	2792								
B@LETC	001	00C3	2793								
B@LETD	001	00C4	2794								
B@LETE	001	00C5	2795								
B@LETF	001	00C6	2796								
B@LETG	001	00C7	2797								
B@LETH	001	00C8	2798								

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B@LETI	001	00C9	2799								
B@LETJ	001	00D1	2800								
B@LETK	001	00D2	2801								
B@LETL	001	00D3	2802								
B@LETM	001	00D4	2803								
B@LETN	001	00D5	2804								
B@LETO	001	00D6	2805								
B@LETP	001	00D7	2806								
B@LETQ	001	00D8	2807								
B@LETR	001	00D9	2808								
B@LETS	001	00E2	2809								
B@LETT	001	00E3	2810								
B@LETU	001	00E4	2811								
B@LETV	001	00E5	2812								
B@LETW	001	00E6	2813								
B@LETX	001	00E7	2814								
B@LETY	001	00E8	2815								
B@LETZ	001	00E9	2816								
B@LEXP	001	0008	2855								
B@LFCI	001	0003	2490								
B@LFNA	001	0002	2969	2990							
B@LFN0	001	0003	2488								
B@LFN1	001	0003	2489								
B@LFOR	001	0003	2518								
B@LFRT	001	0004	2910	2911							
B@LGET	001	0003	2520								
B@LGSB	001	0005	2644								
B@LGTO	001	0004	2643								
B@LHLT	001	0001	2481								
B@LIEX	001	0002	2841	3577							
B@LIFN	001	0003	2904								
B@LILP	001	0009	2963	2981	2982	2983	3379	3830	3834	3838	3858
B@LIMG	001	0001	2655								
B@LIMH	001	0003	2530								
B@LINI	001	0002	2522								
B@LINP	001	0005	2650								
B@LIPI	001	0003	2844	3564							
B@LISP	001	0005	2962	2970	2976	2977	2978	3569	3581	3594	3850
B@LIS2	001	0005	2847	3589							3852
B@LIVT	001	0001	2920								3854
B@LKCL	001	0005	2649								3921
B@LKFR	001	0003	2640								
B@LKGT	001	0003	2646								
B@LKIF	001	0002	2642								
B@LKON	001	0002	2675								
B@LKPT	001	0003	2647								
B@LKPU	001	000A	2654								
B@LKRR	001	0007	2652								
B@LKRT	001	0005	2648								
B@LKTO	001	0002	2669								
B@LLET	001	0003	2639								
B@LL01	001	0002	3007	3008							
B@LL02	001	0002	3010	3011							
B@LL03	001	0002	3013	3014							
B@LL04	001	0002	3016	3017							
B@LL05	001	0002	3019	3020							

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B@LL06	001	0002	3022	3023
B@LL07	001	003A	3025	3026
B@LL08	001	0100	3028	3029
B@LL09	001	0100	3031	3032
B@LL10	001	0044	3034	3035
B@LL11	001	003A	3037	3038
B@LL12	001	003A	3040	3041
B@LL13	001	003A	3043	3044
B@LL14	001	003A	3046	3047
B@LL15	001	0100	3049	3050
B@LL16	001	0096	3052	3053
B@LMAT	001	0003	2656	
B@LMF1	001	0003	2491	
B@LMF2	001	0003	2492	
B@LMF3	001	0003	2493	
B@LMGT	001	0006	2657	
B@LMIN	001	0008	2658	
B@LMPR	001	0008	2661	
B@LMPT	001	0006	2660	
B@LMPU	001	000D	2662	
B@LMPY	001	0001	2484	
B@LMRD	001	0007	2659	
B@LMSM	001	0003	2494	
B@LNEM	001	0001	2487	
B@LNEX	001	0004	2641	
B@LNXT	001	0003	2519	
B@LPAR	001	004D	2767	3443
B@LPRS	001	0002	2527	
B@LPRT	001	0005	2653	
B@LPRU	001	0002	2528	
B@LPSE	001	0005	2663	
B@LPUT	001	0002	2521	
B@LPWR	001	0001	2486	
B@LREA	001	0004	2651	
B@LREM	001	0003	2635	
B@LRSR	001	0001	2524	
B@LRST	001	0001	2525	
B@LRTN	001	0006	2645	
B@LSA1	001	0003	2506	
B@LSA2	001	0003	2507	
B@LSB1	001	0003	2508	
B@LSC1	001	0003	2500	
B@LSDF	001	0004	2890	
B@LSD0	001	0003	2502	
B@LSD1	001	0003	2503	
B@LSD2	001	0003	2504	
B@LSF1	001	0003	2496	
B@LSF2	001	0003	2497	
B@LSKW	001	0002	2906	
B@LSNO	001	0002	2899	
B@LSPT	001	0003	2914	2917
B@LSTA	001	0003	2505	
B@LSTC	001	0003	2499	
B@LSTE	001	0004	2670	
B@LSTF	001	0003	2495	
B@LSTH	001	0003	2529	

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B@PUTM	001	0010	2576	
B@RPAR	001	005D	2771	3456
B@SADV	001	00E8	2988	2991
B@SAVL	001	0B76	2984	3001
B@SAVS	001	065E	2979	3000
B@SCDV	001	0074	2989	2991
B@SCLN	001	005E	2772	
B@SCRV	001	0227	2986	3000 3001
B@SDMK	001	0080	2901	
B@SEXP	001	0004	2854	
B@SFAT	001	0196	2991	3000 3001 3052
B@SFNA	001	003A	2990	2991
B@SFRT	001	0028	2911	
B@SIEL	001	003F	2981	2984
B@SIES	001	0023	2976	2979
B@SIGN	001	0010	2863	
B@SLDL	001	0A32	2983	2984
B@SLDS	001	05AA	2978	2979
B@SLVL	001	0105	2982	2984
B@SLVS	001	0091	2977	2979
B@SQUO	001	007D	2778	3608 3615 3618
B@STAT	001	0000	2853	
B@TASA	001	0012	2588	
B@TASC	001	001E	2594	
B@TASM	001	0018	2590	
B@TASS	001	007B	2595	
B@TCGT	001	0030	2603	
B@TCLS	001	0042	2609	
B@TDAT	001	0006	2584	
B@TDEF	001	0009	2585	
B@TDIM	001	000C	2586	
B@TDUM	001	0078	2627	
B@TEND	001	0072	2625	
B@TEOF	001	0075	2626	
B@TFOR	001	0021	2597	
B@TGET	001	0039	2606	
B@TGSB	001	0033	2604	
B@TGTO	001	002D	2602	
B@TIFA	001	0027	2599	
B@TIFC	001	002A	2600	
B@TIFS	001	007D	2601	
B@TIMG	001	0054	2615	
B@TINP	001	0045	2610	
B@TLTA	001	000F	2587	
B@TLTC	001	001B	2591	
B@TLTM	001	0015	2589	
B@TLTS	001	0079	2592	
B@TMAS	001	007C	2596	
B@TMAT	001	0057	2616	
B@TMGT	001	005A	2617	
B@TMIN	001	005D	2618	
B@TMLS	001	007A	2593	
B@TMPR	001	0066	2621	
B@TMPT	001	0063	2620	
B@TMPU	001	0069	2622	
B@TMRD	001	0060	2619	

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B@TNXT	001	0024	2598	
B@TPRT	001	004E	2613	
B@TPRU	001	0051	2614	
B@TPSE	001	006C	2623	
B@TPUT	001	003C	2607	
B@TRAC	001	0080	2857	
B@TREA	001	0048	2611	
B@TREM	001	0003	2583	
B@TRSR	001	004B	2612	
B@TRST	001	003F	2608	
B@TRTN	001	0036	2605	
B@TSTP	001	006F	2624	
B@VMC1	001	0056	2996	
B@VMLB	001	F0CD	3001	
B@VMSB	001	F5E5	3000	
B@VMSZ	001	0000	2997	2999 3000 3001
B@VMTB	001	0000	2999	
B@ZNEG	001	00D0	2870	
B@ZPOS	001	00F0	2869	
I\$ADJX	001	0D56	3130	
I\$ADST	001	0C9D	3085	
I\$BASE	001	0C60	3087	
I\$BRCN	001	117B	3139	
I\$BSET	001	119D	3138	
I\$B1SW	001	0040	3195	
I\$B2SW	001	0020	3197	
I\$CADR	001	144C	3176	
I\$CALL	001	12B1	3170	
I\$CBM1	001	0D43	3106	
I\$CBN1	001	0D3E	3102	
I\$CBN2	001	0D3F	3103	
I\$CBN3	001	0D40	3104	
I\$CBN4	001	0D41	3105	
I\$CFBS	001	0AE3	3153	
I\$CLFA	001	0D4A	3112	
I\$CLVA	001	0D49	3111	
I\$CL1C	001	0D46	3109	
I\$CL1F	001	0D44	3107	
I\$CL2C	001	0D47	3110	
I\$CL2F	001	0D45	3108	
I\$CPG1	001	1600	3067	
I\$CPUF	001	0A27	3149	
I\$CSCT	001	0D5A	3125	
I\$CSSW	001	0010	3199	
I\$CSXA	001	2000	3066	
I\$CUPF	001	0A85	3151	
I\$CVAD	001	1358	3164	
I\$DATA	001	0D53	3093	
I\$DAT1	001	0D55	3094	
I\$DMSW	001	0BC1	3147	
I\$ECSW	001	0004	3203	
I\$ERRC	001	0CBC	3092	
I\$FACT	001	0DD1	3132	
I\$FADD	001	075D	3155	
I\$FATE	001	0DE6	3133	
I\$FATP	001	0DE8	3134	

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I\$FDVD	001	0919	3160
I\$FMPY	001	082A	3158
I\$FSUB	001	0751	3156
I\$FWRK	001	0607	3076
I\$IMC1	001	0DCE	3123
I\$IMLN	001	0DC6	3119
I\$IMPT	001	0DCC	3122
I\$INDR	001	0DC5	3118
I\$INIT	001	0607	3075
I\$INTR	001	0C5C	3079
I\$IRSW	001	0CDE	3099
I\$I700	001	0E24	3161
I\$LBFR	001	12B6	3171
I\$LDBR	001	1329	3168
I\$LDXR	001	1330	3169
I\$LOCK	001	1354	3166
I\$MDFY	001	1349	3165
I\$MOD4	001	130B	3162
I\$NCPG	001	000A	3187
I\$NDSW	001	0002	3205
I\$NISW	001	0080	3193
I\$NPAG	001	0C68	3080
I\$PARM	001	0D57	3095
I\$PGDS	001	144A	3174
I\$PGNO	001	1449	3173
I\$PGTB	001	14CA	3177
I\$PLRT	001	15E2	3178
I\$PSTK	001	15CA	3179
I\$PUB1	001	0DC8	3120
I\$PUB2	001	0DCA	3121
I\$RESW	001	0CE9	3100
I\$RNMK	001	0001	3115
I\$RNSW	001	0D5C	3114
I\$RTRN	001	12D3	3172
I\$SDCT	001	0D59	3127
I\$SDPT	001	0DD0	3124
I\$SFCT	001	0D5A	3128
I\$SFFO	001	0D5D	3136
I\$SICT	001	0D5B	3129
I\$SLLC	001	0BA1	3143
I\$SLNG	001	0BA2	3142
I\$SNSW	001	0001	3207
I\$SSCT	001	0D58	3126
I\$STAK	001	0D4E	3088
I\$STCK	001	0B50	3141
I\$STHA	001	0D51	3098
I\$STKB	001	0639	3077
I\$STKI	001	0D4F	3089
I\$STSW	001	0008	3201
I\$TFSW	001	0D28	3101
I\$ULNG	001	0C3A	3146
I\$UNLK	001	1350	3167
I\$USTK	001	0BB0	3145
I\$VADR	001	144A	3175
I\$WRK1	001	0D59	3096
I\$WRK2	001	0D5B	3097

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I\$XAD1	001	0C89	3084
I\$XAD2	001	0C82	3083
I\$XAD3	001	0C7B	3082
I\$XAD4	001	0C74	3081
I\$XERR	001	0CAB	3086
I\$XIAR	001	0D4C	3091
I\$XPAG	001	0C61	3090
KSEAAC	002	112B	3826
KSEATB	001	11A7	3939
KSEATI	002	1187	3906
KSECAT	001	09FE	3969
KSECBA	001	119E	3954
KSECBB	001	119F	3955
KSECBC	001	11A0	3956
KSECBD	001	11A1	3957
KSECBE	001	11A2	3958
KSECBF	001	11A3	3959
KSECBG	001	11A4	3960
KSECBS	001	1193	3928
KSECBO	001	1194	3944
KSECBI	001	1195	3945
KSECBB	001	1196	3946
KSECBB	001	1197	3947
KSECBB	001	1198	3948
KSECBB	001	1199	3949
KSECBB	001	119A	3950
KSECBB	001	119B	3951
KSECBB	001	119C	3952
KSECBB	001	119D	3953
KSECDB	001	1194	3934
KSECES	005	1150	3854
KSECFL	009	116B	3862
KSECHR	001	11A6	3961
KSECNT	002	118F	3916
KSECPI	002	113C	3844
KSECRS	001	117E	3899
KSECVT	001	098A	3967
KSEDGT	002	1189	3909
KSEDPL	001	116C	3867
KSEDPS	001	1181	3902
KSEELL	001	1190	3919
KSEEND	001	1191	3922
KSEEQU	001	1120	3801
KSEEXP	001	1183	3904
KSEE00	001	0000	3807
KSEICE	001	113D	3845
KSEICS	001	1180	3901
KSEI00	002	1121	3821
KSEI01	002	1123	3822
KSEI02	002	1125	3823
KSEI04	002	1127	3824
KSELAC	001	0002	3810
KSELDT	001	0746	3966
KSELD4	001	0004	3813

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SYMBOL	LEN	VALUE	DEFN	REFERENCES	VER	15	MOD	00	09/06/21	PAGE	58	
KSE098	003	0EFA	3507	3504								
KSE100	003	0EFD	3511	3506								
KSE102	003	0F06	3514									
KSE104	003	0F17	3519									
KSE110	003	0F22	3522	3513 3524 3531								
KSE112	003	0F2C	3525									
KSE115	003	0F32	3527									
KSE120	003	0F44	3535	3526								
KSE122	003	0F4D	3538									
KSE124	003	0F59	3542	3539								
KSE126	003	0F5C	3543	3541								
KSE128	003	0F6A	3547									
KSE130	003	0F7D	3562	3499								
KSE132	004	0F83	3564									
KSE135	005	0F8A	3567	3376* 3568								
KSE140	004	0F96	3577	3565								
KSE145	006	0F9D	3579	3377* 3580								
KSE150	004	0FA9	3589	3578								
KSE155	006	0FB5	3592	3378* 3593								
KSE160	003	0FC1	3608	3487								
KSE165	003	0FCC	3611	3616 3619								
KSE170	003	0FE4	3618									
KSE180	004	0FEB	3627	3536 3548 3551 3573 3585 3598								
KSE184	004	0FFA	3638									
KSE186	005	1000	3644									
KSE188	004	102C	3654									
SCACNT	002	1072	3778	3768* 3769*								
SCACOF	001	0087	3750									
SCACOM	001	0001	3749									
SCAINC	001	0001	3748	3757 3763								
SCAMMA	003	104F	3772									
SCANIT	001	1032	3752	3393 3471 3482 3627								
SCASVE	002	1070	3777	3754* 3769								
SCASV1	001	106F	3776									
SCA100	003	1041	3757	3759								
SCA200	003	1044	3758	3756								
SCA250	003	104E	3761	3772								
SCA300	003	1051	3763	3765								
SCA400	004	1061	3768	3761								
SCA500	004	106B	3771	3753* 3767								
TOTAL STATEMENTS IN ERROR IN THIS ASSEMBLY = 0												
OL105	I	THE CODE LENGTH OF #KSETI IS 4608 DECIMAL.										
OL103	I	TOTAL NUMBER OF LIBRARY SECTORS REQUIRED IS 7										
NAME-#KSETI,PACK-R1R1R1,UNIT-R1,RETAIN-P,LIBRARY-R,CATEGORY-000												

START ADDRESS	CATEGORY	NAME AND ENTRY	CODE LENGTH
			HEXADECIMAL DECIMAL

0E00	0	#KSETI	1200 4608
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OL100 I THE TOTAL CORE USED BY #KSETI IS 4608 DECIMAL.
OL101 I THE START CONTROL ADDRESS OF THIS MODULE IS 0E00.
OL104 I TOTAL NUMBER OF LIBRARY SECTORS REQUIRED IS 19
NAME-#KSETI,PACK-R1R1R1,UNIT-R1,RETAIN-P,LIBRARY-O