

1 *

2 *

3 * * * ASCII DISPLAY DATA * * *

4 *

5

DFEA 6 TEMP1 EQU \$DFEA THESE EQUATES REFER TO THE RALBUG EPROM
 DFEB 7 TEMP2 EQU \$DFEB
 DFEC 8 TEMP3 EQU \$DFEC
 F80E 9 UCR EQU \$F80E
 F830 10 UPLACE EQU \$F830
 F80C 11 USTRIN EQU \$F80C
 DFE8 12 ADDHI EQU \$DFE8
 DFE9 13 ADDLOW EQU \$DFE9
 F81C 14 UIN8HE EQU \$F81C
 DFE4 15 CURSOR EQU \$DFE4
 F816 16 UOUT4H EQU \$F816
 F828 17 UCOL EQU \$F828

18

19

F000 20 ORG \$F000
 F000 30 21 FCC \$30 * EPROM MARKER ADDRESS \$3000
 F001 F66C 22 FDB TEST
 F003 30302D243030 23 DASCII FCC /00-\$00=CTRL: 24-\$18=^X 48-\$30=0 72-\$48=H 96-\$60=' 120-\$78=x/,\$0D,\$0A
 F009 3D4354524C3A
 F00F 202020203234
 F015 2D2431383D5E
 F01B 582020202034
 F021 382D2433303D
 F027 302020202037
 F02D 322D2434383D
 F033 482020202020
 F039 39362D243630
 F03F 3D2720202020
 F045 3132302D2437
 F04B 383D780D0A
 F050 30312D243031 24 FCC '01-\$01=CTRLA 25-\$19=^Y 49-\$31=I 73-\$49=I 97-\$61=a 121-\$79=y',\$0D,\$0A
 F056 3D4354524C41
 F05C 202020203235
 F062 2D2431393D5E
 F068 592020202034
 F06E 392D2433313D
 F074 312020202037
 F07A 332D2434393D
 F080 492020202020
 F086 39372D243631
 F08C 3D6120202020
 F092 3132312D2437
 F098 393D790D0A
 F09D 30322D243032 25 FCC '02-\$02=CTRLB 26-\$1A=^Z 50-\$32=2 74-\$4A=J 98-\$62=b 122-\$7A=z',\$0D,\$0A
 F0A3 3D4354524C42
 F0A9 202020203236
 F0AF 2D2431413D5E
 F0B5 5A2020202035
 F0BB 302D2433323D
 F0C1 322020202037
 F0C7 342D2434413D
 F0CD 4A2020202020
 F0D3 39382D243632
 F0D9 3D6220202020
 F0DF 3132322D2437

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F3A3 30382D243643							
F3A9 3D6C0D0A							
F3AD 31332D243044	36	FCC	'13-\$0D=CTRLM	37-\$25=%	61-\$3D==	85-\$55=U	109-\$6D=m', \$0D, \$0A
F3B3 3D4354524C4D							
F3B9 202020203337							
F3BF 2D2432353D25							
F3C5 202020202036							
F3CB 312D2433443D							
F3D1 3D2020202038							
F3D7 352D2435353D							
F3DD 552020202031							
F3E3 30392D243644							
F3E9 3D6D0D0A							
F3ED 31342D243045	37	FCC	'14-\$0E=CTRLN	38-\$26=&	62-\$3E=>	86-\$56=V	110-\$6E=n', \$0D, \$0A
F3F3 3D4354524C4E							
F3F9 202020203338							
F3FF 2D2432363D26							
F405 202020202036							
F40B 322D2433453D							
F411 3E2020202038							
F417 362D2435363D							
F41D 562020202031							
F423 31302D243645							
F429 3D6E0D0A							
F42D 31352D243046	38	FCC	/15-\$0F=CTRL0	39-\$27='	63-\$3F=?	87-\$57=W	111-\$6F=o', \$0D, \$0A
F433 3D4354524C4F							
F439 202020203339							
F43F 2D2432373D27							
F445 202020202036							
F44B 332D2433463D							
F451 3F2020202038							
F457 372D2435373D							
F45D 572020202031							
F463 31312D243646							
F469 3D6F0D0A							
F46D 31362D243130	39	FCC	'16-\$10=CTRLP	40-\$28=(64-\$40=@	88-\$58=X	112-\$70=p', \$0D, \$0A
F473 3D4354524C50							
F479 202020203430							
F47F 2D2432383D28							
F485 202020202036							
F48B 342D2434303D							
F491 402020202038							
F497 382D2435383D							
F49D 582020202031							
F4A3 31322D243730							
F4A9 3D700D0A							
F4AD 31372D243131	40	FCC	'17-\$11=CTRLQ	41-\$29=>	65-\$41=A	89-\$59=Y	113-\$71=q', \$0D, \$0A
F4B3 3D4354524C51							
F4B9 202020203431							
F4BF 2D2432393D29							
F4C5 202020202036							
F4CB 352D2434313D							
F4D1 412020202038							
F4D7 392D2435393D							
F4DD 592020202031							
F4E3 31332D243731							
F4E9 3D710D0A							
F4ED 31382D243132	41	FCC	'18-\$12=CTRLR	42-\$2A=X	66-\$42=B	90-\$5A=Z	114-\$72=r', \$0D, \$0A
F4F3 3D4354524C52							
F4F9 202020203432							

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F4FF 2D243241302A
 F505 202020202036
 F508 362D2434323D
 F511 422020202039
 F517 302D2435413D
 F51D 5A2020202031
 F523 31342D243732
 F529 3D72000A
 F52D 31392D243133 42 FCC '19-\$13=CTRLS 43-\$2B=+ 67-\$43=C 91-\$58=L 115-\$73=s', \$0D, \$0A
 F533 3D4354524C53
 F539 202020203433
 F53F 2D2432423D2B
 F545 202020202036
 F54B 372D2434333D
 F551 432020202039
 F557 312D2435423D
 F55D 5B2020202031
 F563 31352D243733
 F569 3D73000A
 F56D 32302D243134 43 FCC '20-\$14=CTRLT 44-\$2C=, 68-\$44=D 92-\$5C=\ 116-\$74=t', \$0D, \$0A
 F573 3D4354524C54
 F579 202020203434
 F57F 2D2432433D2C
 F585 202020202036
 F58B 382D2434343D
 F591 442020202039
 F597 322D2435433D
 F59D 5C2020202031
 F5A3 31362D243734
 F5A9 3D74000A
 F5AD 32312D243135 44 FCC '21-\$15=CTRLU 45-\$2D=- 69-\$45=E 93-\$5D=J 117-\$75=u', \$0D, \$0A
 F5B3 3D4354524C55
 F5B9 202020203435
 F5BF 2D2432443D2D
 F5C5 202020202036
 F5CB 392D2434353D
 F5D1 452020202039
 F5D7 332D2435443D
 F5DD 5D2020202031
 F5E3 31372D243735
 F5E9 3D75000A
 F5ED 32322D243136 45 FCC '22-\$16=CTRLV 46-\$2E=. 70-\$46=F 94-\$5E=^ 118-\$76=v', \$0D, \$0A
 F5F3 3D4354524C56
 F5F9 202020203436
 F5FF 2D2432453D2E
 F605 202020202037
 F60B 302D2434363D
 F611 462020202039
 F617 342D2435453D
 F61D 5E2020202031
 F623 31382D243736
 F629 3D76000A
 F62D 32332D243137 46 FCC '23-\$17=CTRLW 47-\$2F=/ 71-\$47=G 95-\$5F=_ 119-\$77=w'
 F633 3D4354524C57
 F639 202020203437
 F63F 2D2432463D2F
 F645 202020202037
 F64B 312D2434373D
 F651 472020202039
 F657 352D2435463D

F65D 5F2020202031

F663 31392D243737

F669 3D77

F66B 04

	47	FCC	\$04	
	48	X		
	49	X X X TEST X X X		
	50	X		
F66C	AD 9F F81C	51 TEST	JSR [UIN8HE]	X MEMORY TEST ROUTINE
F670	10BF DFE8	52	STY ADDHI	X SAVE START ADDRESS
F674	BF DFEA	53	STX TEMP1	X SAVE END ADDRESS
F677	AD 9F F80E	54	JSR [UCR]	
F67B	06 AA	55	LDA \$AA	X SET 'A' TO AA & 'B' TO ZERO
F67D	5F	56	CLRB	
F67E	0E F6F5	57	LDX \$AA	X SAY TESTING WITH AA
F681	AD 9F F80C	58	JSR [USTRIN]	
F685	BE DFE8	59	LDX ADDHI	
F688	0D 18 (F6A2)	60	BSR TEFIL	X GO FILL TEST AREA WITH AA
F68A	0D 21 (F6AD)	61	BSR TESTIT	X GO TEST STILL AA
F68C	AD 9F F80E	62	JSR [UCR]	
F690	06 55	63	LDA \$55	
F692	0E F707	64	LDX \$FIVES	X SAY TESTING WITH 55
F695	AD 9F F80C	65	JSR [USTRIN]	
F699	BE DFE8	66	LDX ADDHI	X PICK UP START ADDRESS
F69C	0D 04 (F6A2)	67	BSR TEFIL	X GO FILL TEST AREA WITH 55
F69E	0D 0D (F6AD)	68	BSR TESTIT	X GO DO SECOND TIME
F6A0	20 40 (F6E2)	69	BRA TESEND	X GO FINISH UP
F6A2	A7 00	70 TEFIL	STA 0,X+	
F6A4	BC DFEA	71	CMPX TEMP1	X SEE IF FINISHED
F6A7	23 F9 (F6A2)	72	BLS TEFIL	
F6A9	BE DFE8	73	LDX ADDHI	X RESET TO START ADDRESS
F6AC	39	74 TES2	RTS	
F6AD	AD 9F F816	75 TESTIT	JSR [UOUT4H]	X GO PRINT 'X'
F6B1	A1 00	76	CMPA 0,X+	X SEE IF MEMORY CHANGED
F6B3	26 15 (F6CA)	77	BNE TESFAU	X GO PRINT 'FAULTY'
F6B5	BC DFEA	78	CMPX TEMP1	X SEE IF END
F6B8	22 F2 (F6AC)	79	BHI TES2	
F6BA	10BE DFE4	80	LDY CURSOR	X DROP CURSOR BACK
F6BE	31 3C	81	LEAY -4,Y	
F6C0	10BF DFE4	82	STY CURSOR	
F6C4	AD 9F F830	83	JSR [UPLACE]	
F6C8	20 E3 (F6AD)	84	BRA TESTIT	X GO DO NEXT ADDRESS
F6CA	BC DFEA	85 TESFAU	CMPX TEMP1	
F6CD	27 13 (F6E2)	86	BEQ TESEND	
F6CF	5C	87	INCB	X MARK WE HAVE HAD A FAULT
F6D0	C1 00	88	CMPB \$0	
F6D2	26 01 (F6D5)	89	BNE TEF1	
F6D4	5C	90	INCB	X ENSURE DONT STOP ON ZERO
F6D5	34 10	91 TEF1	PSHS X	
F6D7	0E F719	92	LDX \$FAULTA	X PICK UP 'FAULTY' [USTRIN]
F6DA	AD 9F F80C	93	JSR [USTRIN]	
F6DE	35 10	94	PULS X	
F6E0	20 CB (F6AD)	95	BRA TESTIT	
F6E2	C1 00	96 TESEND	CMPB \$0	X SEE IF NO FAULTS
F6E4	27 01 (F6E7)	97	BEQ TESE1	X GO SAY SO
F6E6	39	98	RTS	
F6E7	C6 03	99 TESE1	LDB \$03	
F6E9	AD 9F F828	100	JSR [UCOL]	GO SET COLOUR X SET TO YELLOW
F6ED	0E F723	101	LDX \$FINAS	X PICK UP FINISHED [USTRIN]
F6F0	AD 9F F80C	102	JSR [USTRIN]	X GO PRINT IT
F6F4	39	103	RTS	

104 X
105 X X X DATA X X X
106 X
107 AA FCC \$07,'TESTING WITH AA ',#04

108 FIVES FCC \$07,'TESTING WITH 55 ',#04

109 FAULTA FCC \$07,' FAULTY ',#04

110 FINAS FCC \$07,' FINISHED'

111 ALLOKA FCC ' ALL OK',#04

112

F6F5 075445535449
F6FB 4E4720574954
F701 482041412004
F707 075445535449
F70D 4E4720574954
F713 482035352004
F719 07204641554C
F71F 54592004
F723 072046494E49
F729 53484544
F72D 20414C4C204F
F733 4B04

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AA	F6F5	ADDHI	DFE8	ADDLOW	DFE9	ALLOKA	F72D	CURSOR	DFE4
DASCII	F003	FAULTA	F719	FINAS	F723	FIVES	F707	TEMP1	DFEA
TEMP2	DFEB	TEMP3	DFEC	TES2	F6AC	TESE1	F6E7	TESEND	F6E2
TESF1	F6D5	TESFAU	F6CA	TESFIL	F6A2	TEST	F66C	TESTIT	F6AD
UCOL	F828	UCR	F80E	UIN8HE	F81C	UOUT4H	F816	UPLACE	F830
USTRIN	F80C								