


```

0115 Data rts_status(0) /*REQUEST TO SEND = OFF*/
0116 Data rts_status(1) /*REQUEST TO SEND = ON*/
0117
0118 Data dsr_status(0) /*DATA SET READY = OFF*/
0119 Data dsr_status(1) /*DATA SET READY = ON*/
0120
0121 Data car_status(0) /*CARRIER DETECT = OFF*/
0122 Data car_status(1) /*CARRIER DETECT = ON*/
0123
0124 Data cts_status(0) /*CLEAR TO SEND = OFF*/
0125 Data cts_status(1) /*CLEAR TO SEND = ON*/
0126
0127
0128 C
0129 C Define text for bits in the RXDBUF register
0130 C
0131
0132 Data rxdbuf_1(8) /*START OF RECEIVED MESSAGE*/
0133 Data rxdbuf_1(9) /*END OF RECEIVED MESSAGE*/
0134 Data rxdbuf_1(10) /*RECEIVER ABORT*/
0135 Data rxdbuf_2(12) /*RECEIVER CRC ERROR*/
0136 Data rxdbuf_3(14) /*RECEIVER OVERRUN*/
0137 Data rxdbuf_3(15) /*RECEIVER ERROR*/
0138
0139
0140 C
0141 C Define text for bits in the TXCSR register
0142 C
0143
0144 Data oper_mode(0) /*FULL DUPLEX*/
0145 Data oper_mode(1) /*HALF DUPLEX*/
0146 Data txcsr_1(4) /*SEND*/
0147 Data txcsr_2(6) /*TRANSMITTER INTERRUPT ENABLE*/
0148 Data txcsr_2(7) /*TRANSMITTER DONE*/
0149 Data txcsr_2(8) /*DEVICE RESET*/
0150 Data txcsr_2(9) /*TRANSMITTER ACTIVE*/
0151 Data txcsr_3(15) /*TRANSMITTER DATA LATE ERROR*/
0152
0153
0154 C
0155 C Define text for bits in the TXDBUF register
0156 C
0157
0158 Data txdbuf_1(8) /*TRANSMIT START OF MESSAGE*/
0159 Data txdbuf_1(9) /*END OF TRANSMITTED MESSAGE*/
0160 Data txdbuf_1(10) /*TRANSMIT ABORT*/
0161
0162
0163 C
0164 C Define text for bits in the PARCSR register
0165 C
0166
0167 Data parcsr_1(9) /*CRC INHIBIT*/
0168 Data protocol(0) /*BIT ORIENTED PROTOCOL*/
0169 Data protocol(1) /*BYTE ORIENTED PROTOCOL*/
0170
0171

```

```
0172
0173
0174
0175 diagnostic_mode = .false.
0176
0177 if (lib$extzv(11,2,txcsr) .ne. 0) diagnostic_mode = .true.
0178
0179 C
0180 C
0181 C
0182 Call LINCHK (lun,2)
0183 Write (lun,20) rxcsr
0184 20 Format (' ',T8,'RXCSR',T24,Z8.4)
0185
0186 if (.not. diagnostic_mode) then
0187
0188 Call LINCHK (lun,1)
0189 Write (lun,30) ('*',j=1,34)
0190 30 Format (' ',T40,Z34A1)
0191
0192 Call LINCHK (lun,1)
0193 Write (lun,40)
0194 40 Format (' ',T47,'MODEM/LINE STATUS')
0195
0196 Field=LIB$EXTZV (1,1,rxcsr)
0197
0198 Call LINCHK (lun,1)
0199 Write (lun,50) dtr_status(field)
0200 50 Format (' ',T40,A<compressC (dtr_status(field)))>>
0201
0202
0203 Field=LIB$EXTZV (2,1,rxcsr)
0204
0205 Call LINCHK (lun,1)
0206 Write (lun,60) rts_status(field)
0207 60 Format (' ',T40,A<compressC (rts_status(field)))>>
0208
0209
0210 Field=LIB$EXTZV (9,1,rxcsr)
0211
0212 Call LINCHK (lun,1)
0213 Write (lun,70) dsr_status(field)
0214 70 Format (' ',T40,A<compressC (dsr_status(field)))>>
0215
0216
0217 Field=LIB$EXTZV (12,1,rxcsr)
0218
0219 Call LINCHK (lun,1)
0220 Write (lun,80) car_status(field)
0221 80 Format (' ',T40,A<compressC (car_status(field)))>>
0222
0223
0224 Field=LIB$EXTZV (13,1,rxcsr)
0225
0226 Call LINCHK (lun,1)
0227 Write (lun,90) cts_status(field)
0228 90 Format (' ',T40,A<compressC (cts_status(field)))>>
```



```

0286      Call OUTPUT (lun,txcsr,txcsr_2,6,6,9,'0')
0287
0288      Call OUTPUT (lun,txcsr,txcsr_3,15,15,15,'0')
0289      else
0290
0291      Call LINCHK (lun,1)
0292      Write (lun,150)
0293 150    Format (' ',T40,'DIAGNOSTIC MODE')
0294      endif
0295
0296      C
0297      C      Decode transmitter data buffer register
0298      C
0299
0300      Call LINCHK (lun,1)
0301      Write (lun,160) txdbuf
0302 160    Format (' ',T8,'TXDBUF',T24,Z8.4)
0303
0304      if (.not. diagnostic_mode) then
0305
0306      Field=LIBSEXTZV(0,8,txdbuf)
0307
0308      Call LINCHK (lun,1)
0309      Write (lun,170) field
0310 170    Format (' ',T40,'TRANSMITTER DATA BUFFER = ',
0311             1 I<compress4 (field)>,'.')
0312
0313      Call OUTPUT (lun,txdbuf,txdbuf_1,8,8,10,'0')
0314      endif
0315
0316      C
0317      C      Decode and output PARCSR register contents
0318      C
0319
0320
0321
0322      Call LINCHK (lun,1)
0323      Write (lun,180) parcsr
0324 180    Format (' ',T8,'PARCSR',T24,Z8.4,/,
0325             1 T40,'** LOADED WITH **')
0326
0327      if (.not. diagnostic_mode) then
0328
0329      Call OUTPUT (lun,parcsr,parcsr_1,9,9,9,'0')
0330
0331      Temp=LIBSEXTZV (12,1,parcsr)
0332
0333      Field=LIBSEXTZV (15,1,parcsr)
0334
0335      Call LINCHK (lun,1)
0336      Write (lun,190) protocol(field)
0337 190    Format (' ',T40, A<compressC (protocol(field))> )
0338
0339      Call LINCHK (lun,1)
0340      If (field .eq. 0 .and. temp .eq.0) then
0341
0342      Write (lun,200)

```



```

0343 200  Format (' ',T40,'OPERATING AS A PRIMARY STATION')
0344
0345      Else if (field .eq. 0 .and. temp .eq. 1) then
0346
0347      Write (lun,210)
0348 210  Format (' ',T40,'OPERATING AS A SECONDARY STATION')
0349
0350      Addr=LIB$EXTZV (0,8,parcsr)
0351
0352      Call LINCHK (lun,1)
0353      Write (lun,220) addr
0354 220  Format (' ',T40,'SECONDARY STATION ADDRESS = ',
0355          1 I<Compress4 (addr)>,'.')
0356
0357      Else
0358
0359      Char=LIB$EXTZV (0,8,parcsr)
0360
0361      Write (lun,230) char
0362 230  Format (' ',T40,'EXPECTED SYNC CHAR = ',
0363          1 I<Compress4 (char)>,'.')
0364
0365
0366      Endif
0367      endif
0368
0369      Return
0370
0371
0372      END
    
```

DU

A

AR

LA

FU

CO

CO

PROGRAM SECTIONS

Name	Bytes	Attributes
0 \$CODE	2023	PIC CON REL LCL SHR EXE RD NOWRT LONG
1 \$PDATA	592	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2 \$LOCAL	2024	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
Total Space Allocated		4639

ENTRY POINTS

Address	Type	Name
0-00000000		DUP11

VARIABLES

Address	Type	Name	Address	Type	Name
2-0000039C	I*4	ADDRS	2-000003A0	I*4	CHAR
2-00000399	L*1	DIAGNOSTIC_MODE	2-000003A4	I*4	FIELD
2-000003AC	I*4	I	AP-00000004a	L*1	LUN
AP-00000008a	I*4	PARCSR	AP-0000000Ca	I*4	RXCSR
AP-00000010a	I*4	RXDBUF	2-000003A8	I*4	TEMP
AP-00000014a	I*4	TXCSR	AP-00000018a	I*4	TXDBUF

ARRAYS

Address	Type	Name	Bytes	Dimensions
2-00000347	CHAR	CAR_STATUS	42	(0:1)
2-00000371	CHAR	CTS_STATUS	40	(0:1)
2-0000031D	CHAR	DSR_STATUS	42	(0:1)
2-000002BD	CHAR	DTR_STATUS	52	(0:1)
2-0000002E	CHAR	OPER_MODE	24	(0:1)
2-000002B1	CHAR	PARCSR_1	12	(9:9)
2-00000000	CHAR	PROTOCOL	46	(0:1)
2-000002F1	CHAR	RTS_STATUS	44	(0:1)
2-00000046	CHAR	RXCSR_1	18	(0:0)
2-00000058	CHAR	RXCSR_2	156	(3:8)
2-000000F4	CHAR	RXCSR_3	48	(10:11)
2-00000124	CHAR	RXCSR_4	36	(14:15)
2-00000148	CHAR	RXDBUF_1	78	(8:10)
2-00000196	CHAR	RXDBUF_2	19	(12:12)
2-000001A9	CHAR	RXDBUF_3	34	(14:15)
2-000001CB	CHAR	TXCSR_1	5	(4:4)
2-000001D0	CHAR	TXCSR_2	116	(6:9)
2-00000244	CHAR	TXCSR_3	28	(15:15)
2-00000260	CHAR	TXDBUF_1	81	(8:10)

