


```

;
;
; DATA STRINGS TO CONTROL EPSON PRINTER
;
0103 0F1B461B47CD:    DB    15,ESC,'F',ESC,'G',ESC,'2',0    ;16.5 CPI, DOUBLE
010B 0F1B461B48CN:    DB    15,ESC,'F',ESC,'H',ESC,'2',0    ;16.5 CPI, NORMAL
0113 11121B461BDEFALT: DB    17,18,ESC,'F',ESC,'H',ESC,'2',0 ;DEFAULT PARAMETER
011C 1B4500    EMPH:    DB    ESC,'E',0    ;EMPHASIZED
011F 121B461B47UCD:    DB    18,ESC,'F',ESC,'G',ESC,'2',0    ;10 CPI, DOUBLE ST
0127 121B461B48UCN:    DB    18,ESC,'F',ESC,'H',ESC,'2',0    ;10 CPI, NORMAL
012F 1B3000    EIGHT:   DB    ESC,'0',0    ;8 LINES PER INCH
0132 0D0A24    TURNUP:  DB    CR,LF,'$'

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;.....
;
;

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```

; SIGN-ON MESSAGE
;

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0135 0D0A0A0A0ASOM:   DB    CR,LF,LF,LF,LF,LF,LF,LF
013D 09094D582D       DB    TAB,TAB,'MX-80 Printer options v1.0 10/11/82'
0162 0D0A0A0909       DB    CR,LF,LF,TAB,TAB,'0 = Reset to default parameters'
0186 0D0A0A0909       DB    CR,LF,LF,TAB,TAB,'1 = 10    CPI, Normal'
019F 0D0A090932       DB    CR,LF,TAB,TAB,'2 = 10    CPI, Double Strike'
01BE 0D0A090933       DB    CR,LF,TAB,TAB,'3 = 16.5 CPI, Normal'
01D6 0D0A090934       DB    CR,LF,TAB,TAB,'4 = 16.5 CPI, Double Strike'
01F5 0D0A0A0909       DB    CR,LF,LF,TAB,TAB,'5 = Emphasized'
0208 0D0A090938       DB    CR,LF,TAB,TAB,'8 = vertical lines per inch'
0227 0D0A0A0A0A       DB    CR,LF,LF,LF,LF,LF,LF,TAB,'Select: '
0237 24                DB    '$'

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;.....
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;*****
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;

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```

; PROGRAM STARTS HERE
;

```

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;*****
;
;

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```

0238 E1                START:  POP    H                ;RETURN ADDRESS TO 'CCP'
0239 229002            SHLD   EXIT1+1            ;STORE
023C 31DA02            LXI    SP,STACK          ;SET UP STACK
023F 113501            LXI    D,SOM              ;SIGNON MESSAGE
0242 CDA402            CALL   DSTRNG            ;SHOW ON THE CRT
0245 211301            LXI    H,DEFLT          ;SET THE PRINTER TO NORMAL CONDITIO
0248 C3A902            JMP    PSTRNG

```

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;...
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;

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024B CD9202            SELECT: CALL   INPUT        ;GET A CHAR.
;
024E FE30                CPI    '0'                ;RESET TO DEFAULT PARAMETERS
0250 211301            LXI    H,DEFLT
0253 CAA902            JZ     PSTRNG

```

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;

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```

0256 FE31                CPI    '1'
0258 212701            LXI    H,UCN              ;10 CPI, NORMAL
025B CAA902            JZ     PSTRNG

```

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025E FE32                CPI    '2'
0260 211F01            LXI    H,UCD              ;10 CPI, DOUBLE STRIKE

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0263 CAA902          JZ      PSTRNG
;
0266 FE33           CPI      '3'
0268 210B01         LXI      H,CN          ;16.5 CPI, NORMAL
026B CAA902          JZ      PSTRNG
;
026E FE34           CPI      '4'
0270 210301         LXI      H,CD          ;16.5 CPI, DOUBLE STRIKE
0273 CAA902          JZ      PSTRNG
;
0276 FE35           CPI      '5'
0278 211C01         LXI      H,EMPH        ;EMPHASIZED
027B CAA902          JZ      PSTRNG
;
027E FE38           CPI      '8'
0280 212F01         LXI      H,EIGHT       ;GO TO 8 VERTICAL LINES PER INCH
0283 CAA902          JZ      PSTRNG
;
0286 C34B02         JMP      SELECT        ;IF NONE OF THESE, ASK AGAIN
;.....
;
;=====
;
;                               ROUTINES START HERE
;=====
;
;
0289 113201         EXIT:   LXI      D,TURNUP    ;TURN UP SOME EXTRA LINES
028C CDA402         CALL   DSTRNG          ;DISPLAY ON THE CRT
;
028F C30000         EXIT1:  JMP      0          ;FILLED BY 'START' FOR RETURN TO 'C'
;.....
;
; GET A KEYBOARD CHARACTER
;
0292 0E01           INPUT:  MVI      C,CONIN      ;KEYBOARD ROUTINE
0294 CD0500         CALL   BDOS
0297 E67F           ANI      7FH            ;STRIP AWAY ANY PARITY
0299 FE03           CPI      CTLC          ;CONTROL-C?
029B CA8902         JZ      EXIT          ;IF YES, ALL FINISHED
029E FE0D           CPI      CR            ;CONTROL-M FOR RETURN?
02A0 CA8902         JZ      EXIT          ;IF YES, ALL FINISHED
02A3 C9             RET
;.....
;
; DISPLAY A STRING ON THE CRT
;
02A4 0E09           DSTRNG: MVI     C,STRING    ;CONSOLE STRING ROUTINE
02A6 C30500         JMP      BDOS          ;SEND TO THE CRT
;.....
;
; PRINT A STRING OF CHARS. ON THE EPSON MX-80
;
02A9 7E             PSTRNG: MOV     A,M        ;GET THE CHARACTER IN THE STRING
02AA B7             ORA      A            ;SEE IF FINISHED YET

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02AB CA4B02          JZ      SELECT          ;GET ANOTHER ANSWER IF FINISHED
;
02AE E5             PUSH   H           ;SAVE THE ADDRESS IN THE STRING
02AF 0E05          MVI    C,LIST       ;PRINTER ROUTINE
02B1 5F            MOV    E,A         ;PUT THE CHAR. INTO 'E' REG.
02B2 CD0500        CALL   BDOS          ;SEND TO THE PRINTER
02B5 E1            POP    H           ;BACK TO THE STRING ADDRESS
02B6 23            INX    H           ;NEXT LOCATION
02B7 C3A902        JMP    PSTRNG        ;DO THE NEXT ONE
;.....
;
;
;      STACK AREA
;
02BA              DS      20H          ;ALLOW SPACE FOR STACK
;
02DA      STACK    DS      0
;
02DA              END

```

