

Pascal listing: LEDP.PAS

```
{*****}
{*               L E D P               *}
{*-----*}
{*   Task           : Sets the various bits in the BIOS keyboard *}
{*                   status byte, causing the LEDs on the MF II  *}
{*                   keyboard flash.                             *}
{*-----*}
{*   Author          : Michael Tischer                            *}
{*   Developed on     : 08/16/88                                   *}
{*   Last update      : 04/07/95                                   *}
{*****}
```

program LEDP;

uses CRT, { Add the CRT and DOS units }
DOS;

const SCRL = 16; { Scroll Lock bit }
 NUML = 32; { Num Lock bit }
 CAPL = 64; { Caps Lock bit }
 INS = 128; { Insert bit }

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{*****}
{* SETFLAG: Sets one of the flags in the BIOS keyboard status byte. *}
{* Input   : The flag to be set (see constants)                       *}
{* Output  : None                                                       *}
{*****}
```

procedure SetFlag(Flag : byte);

var BiosTSByte : byte absolute \$0040:\$0017; { BIOS kbd. status byte }

[illegible]

```

begin
  writeln('LEDP - (c) 1988 by Michael Tischer');
  writeln(#13,#10, 'Watch the LEDs on your keyboard');

  for counter:=1 to 10 do           { Run through the loop 10 times }
    begin
      SetFlag( CAPL);                { Enable CAPS }
      Delay( 100 );                  { Wait 100 milliseconds }
      ClrFlag( CAPL );               { Disable CAPS }
      SetFlag( NUML);                { Enable NUM }
      Delay( 100 );                  { Wait 100 milliseconds }
      ClrFlag( NUML );               { Disable NUM }
      SetFlag( SCRL);                { Enable SCROLL LOCK }
      Delay( 100 );                  { Wait 100 milliseconds }
      ClrFlag( SCRL );               { Disable SCROLL LOCK }
    end;

  for counter:=1 to 10 do           { Run through loop 10 times }
    begin
      SetFlag(CAPL or SCRL or NUML); { All three flags on }
      Delay( 500 );                  { Wait 500 milliseconds }
      ClrFlag(CAPL or SCRL or NUML); { All flags off again }
      Delay( 500 );                  { Wait 500 milliseconds }
    end;
end.

```