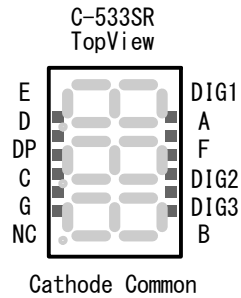
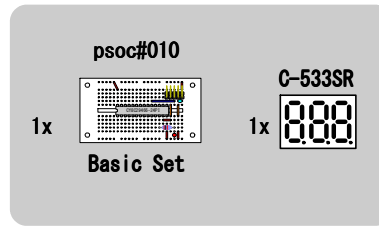




# 15+

## 030

### Triple 7seg LED



main.c

```

typedef union {WORD w; BYTE x[2];} uniword;
typedef union {DWORD dw; BYTE x[4];} unidword;
const WORD Data7seg[16] = {
    0x07DD,0x041D,0x0797,0x059F,0x045F,0x05DE,0x07DE,0x055D,
    0x07DF,0x05DF,0x075F,0x06DE,0x0696,0x069F,0x07D6,0x0756
};
WORD LCount=0, SegA[3]={0,0,0}, SegS[3] = {0xFFFF,0xFFEF,0xFBFF};
uniword Light;

void Disp7seg(WORD n) {
    PRT0DR = Light.x[0]; PRT2DR = Light.x[1];
    switch(LCount++%3) {
        case 0: Light.w=Data7seg[n%16]&SegS[0]|SegA[0]; break;
        case 1: Light.w=Data7seg[(n>>4)%16]&SegS[1]|SegA[1]; break;
        case 2: Light.w=Data7seg[(n>>8)%16]&SegS[2]|SegA[2]; break;
    }
}

void main() {
    PRT2DM2=0x00; PRT2DM1=0xEB; PRT2DM0=0xFF;
    PRT0DM2=0xF8; PRT0DM1=0xFB; PRT0DM0=0x07;
    WORD count=0;
    for (;;) {
        if (!(LCount%256)) count++;
        Disp7seg(count);
    }
}

```

