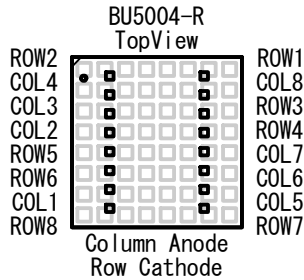
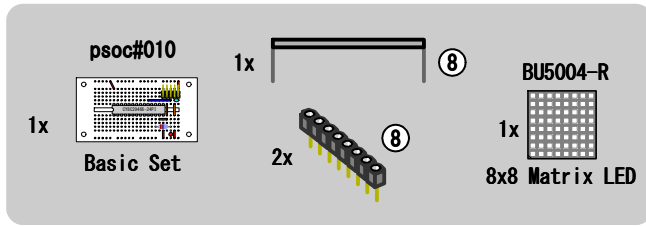




15+

035

8x8 Matrix LED



main.c

```

typedef union {WORD w; BYTE x[2];} uniword;
const WORD font[32] = {
    0x1AD6,0x1AD6,0x1844,0x1844,0x1844,0x1854,0x0054,0x0000,
    0x00D6,0x18D6,0x18C6,0x18C6,0x18C6,0x1AC6,0x1AC0,0x0000,
    0x0A84,0x0A96,0x0096,0x0096,0x0096,0x0A96,0x0A84,0x0000,
    0x0A14,0x0AD4,0x12D2,0x10C2,0x10C2,0x10C2,0x10C2,0x0000,
};
const WORD Row[8] =
    {0xA529,0xC529,0xE129,0xE429,0xE509,0xE521,0xE528,0x6529};
WORD LCount=0;
uniword Light;
BYTE row,count;

void MatrixLED(BYTE n) {
    PRT0DR = Light.x[0]; PRT2DR = Light.x[1];
    row = LCount++%8;
    Light.w=font[(n+row)%32]|Row[row];
}

void main() {
    PRT2DM2=0x00; PRT2DM1=0xFF; PRT2DM0=0xFF; //Pull-Up
    PRT0DM2=0x00; PRT0DM1=0xFF; PRT0DM0=0xFF; //Pull-Up
    PRT0DR = 0xFF; PRT2DR = 0xFF;
    for (;;) {
        if (!(LCount%1024)) count++;
        MatrixLED(count);
    }
}

```

