

System Module



Single output modules (SCCP) Multiple output modules (MCCP)

MCCP Single

SCCP

MCCP SCCP2



Dual edge compare mode, buffered. PWM



SCCP2 Pin Manager RA1



Analog Pin Module Analog



Generate PIC



8MHz Timer Period 0x7FFF

$1 \div 8000000 = 125\text{ns}$ 32767 (0x7FFF)

$125\text{ns} \times 32767 = 4\text{ms}$ 4ms (244Hz)

PWM

681us 5448

$(681 \times 1000 \div 125)$

Primary Compare Value Secondary Compare Value

5461 (0x3FFF - 0x2AAA)

Secondary Compare Value 0x5000



1196us

$(0x5000 - 0x2AAA) \times 125\text{ns} = 9558 \times 125\text{ns} = 1195\text{us}$

Secondary Compare Value Primary Compare Value High

PIC32MM0064GPL028 + ST7735

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1.44 Arduino SD

1.44inch + Arduino Nano + SD 65535bytes



128 × 128 × 3 = 49152 bytes PSP



16 256 256 8 128 × 128 × 1 = 16384 bytes

http://www.umekkii.jp/data/computer/file_format/bitmap.cgi

256 256 () 256 () BMP



119 R:169, G:82, B:84 255 119

120
0x54, 0x52, 0xA9, 0x00
BGR
(0x00)
256 × 4 = 1024 bytes
0x54 0x52 0xA9

BMP C VB6

1.44 PIC32MM0064GPL028 + ST7735
-
-

GIMP
PIC32MM0064GPL028 + ST7735 -
GIMP -

PIC32MM0064GPL028

PIC32MM0064GPL028 + ST7735 - SPI -

PIC24FJ64GA002 + ST7735
1.44inch + PIC24FJ64GA002

PIC32MM0064GPL028 PIC24FJ64GA002 + ST7735
PIC32MM0064GPL028 + ST7735

SPI delay MCC
PIC24FJ64GA002 + ST7735
SPI

CKP=0, CKE=0
CKP=1, CKE=1

PIC24FJ64GA002 + ST7735

MCC



[crayon-6717488ebdce9119699802/]

SDA SCK

Arduino

PIC32MM0064GPL028

PIC32MM0064GPL028 + HX1230 -

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PIC32MM0064GPL028

PIC LCD

<http://www.picfun.com/PIC24H/app24H01.html>

SG12864A HX1230 PIC

96x64

()



SG12864A

HX1230

PIC



LCD HX1230



PIC32MM0064GPL028 + HX1230 - 90° -

PIC32MM0064GPL028



