## GR-MANGO サンプルNo.20を動かす(Mbed Studio編) 2020.3.6



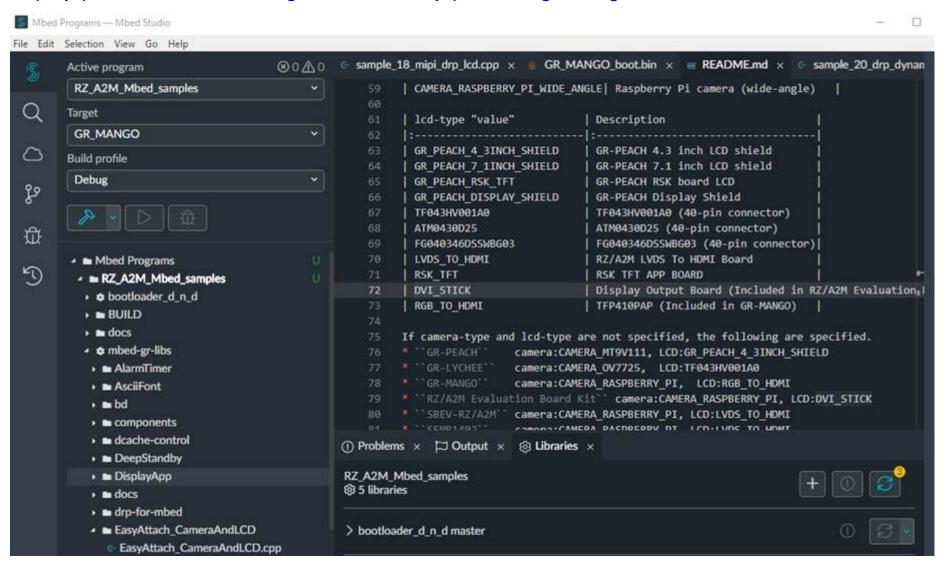
### GR-MANGOヘラズパイカメラを接続してLCDへ表示



## Mbed Studio を起動し、GR-MANGOプロジェクトを開く

### 参考(サンプルNo.18をビルドする方法と同じ)

http://japan.renesasrulz.com/gr\_user\_forum\_japanese/f/gr-mango/6202/mbed-studio-no-18-hdmi



#### No.20のサンプルを使う場合の設定

#### requirements.txt

- sample\_programs
  - G sample\_00\_led\_rtc\_analogin.cpp
  - sample\_01\_flash\_write.cpp
  - sample\_02\_ssif\_loop\_back.cpp
  - G- sample\_03\_spdif\_loop\_back.cpp
  - G- sample\_04\_ssif\_wav\_playback.cpp
  - sample 05 spdif wav playback.cpp
  - sample\_06\_lcd\_touch\_jcu.cpp
  - sample\_07\_usb\_func\_serial.cpp
  - G- sample\_08\_usb\_func\_mouse.cpp
  - G- sample\_09\_usb\_func\_keyboard.cpp
  - G- sample\_10\_usb\_func\_midi.cpp
  - G sample\_11\_usb\_func\_audio\_1.cpp
  - G- sample\_12\_usb\_func\_audio\_2.cpp
  - ⊕ sample\_13\_ether\_http.cpp
  - @ sample\_14\_ether\_https.cpp
  - @ sample\_15\_ceu\_lcd\_pwm.cpp
  - sample\_16\_usb\_func\_msd\_1.cpp
  - G- sample\_17\_usb\_func\_msd\_2.cpp
  - G- sample\_18\_mipi\_drp\_lcd.cpp
  - G sample\_19\_mipi\_drp\_diplayapp.cpp
  - G- sample\_20\_drp\_dynamic\_loading.cpp
  - c sample\_select.h
- .gitignore

# sample\_programsフォルダに 21種類のプログラムがある

サンプルプログラムの説明は下記URL参照

https://github.com/d-kato/RZ\_A2M\_Mbed\_samples

No.20のサンプルを使う

sample\_select.h を開く

## sample\_select.h を編集

```
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     * following link:
     * http://www.renesas.com/disclaimer
                                                   下記の行を編集
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                                  #define SAMPLE_PROGRAM_NO 20
     #ifndef SAMPLE SELECT H
     #define SAMPLE SELECT H
     // You can try each sample program by changing the following macro.
     #define SAMPLE PROGRAM NO
28
     // No. Program file
                                          Description
     // 0 : sample 00 led rtc analogin
                                          DigitalOut, InterruptIn, RTC, Timer and
     // 1 : sample 01 flash write
                                          FlashAPI sample
     // 2 : sample 02 ssif loop back
                                          SSIF loop back sample
     // 3 : sample 03 spdif loop back
                                          SPDIF loop back sample
     // 4 : sample 04 ssif wav playback
                                           SSIF wav playback sample (use USB memor
```

. . .

.mbed

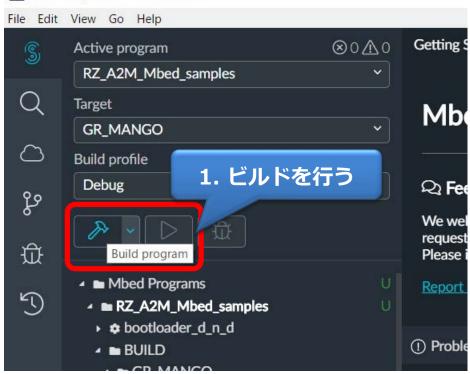
mbed\_app.json

jsonとは、JavaScript Object Notationの略で、XMLなど と同様のテキストベースのデータフォーマットです

#### mbed\_app.jsonを編集 編集する "config": { G sample 18 mipi drp lcd.cpp "camera":{ G- sample\_19\_mipi\_drp\_diplayapp.cpp "help": "0:disable 1:enable", G sample 20 drp dynamic loading.cpp "value": "1" "CAMERA RASPBERRY PI" C sample so クリックで開く "camera-type":{ gitignore "help": "Please secasyAttach\_CameraAndLCD/README.md". .mbed "value": "CAMERA RASPBERRY PI" mbed app.json }, c mbedtls\_entropy\_config.h "lcd":{ 11 README.md "help": "0:disable 1:enable", 12 "value": "1" 13 "ATM0430D25" 14 "lcd-type":{ 15 "help": "Please se LasyAttach\_CameraAndLCD/README.md", 16 m docs "value": "ATM0430D25" 17 mbed-gr-libs 18 ▶ ■ AlarmTimer 19 ▶ ■ AsciiFont target\_overrides": { 20 SC signal (only GR-PEACH) | カメラ、LCD接続タイプの説明は MT9V111 | PI | Raspberry Pi camera PI WIDE ANGLE | Raspberry Pi camera (wide-angle) | EasyAttach CameraAndLCDフォルダ Description のREADME参照 SHIELD GR-PEACH カメラ、LCD接続できる H SHIELD GR-PEACH GR PEACH DISPLAY SHIELD GR-PEACH J 機器が記述されている aAndLCD.cpp EasyAtta TF043HV001A0 | TF043HV001A0 (40-pd © EasyAtta CameraAndLCD.h ATM0430D25 | ATM0430D25 (40-pin conn FG040346DSSWBG03 | FG040346DSSWBG03 (40-pin con README.md LVDS TO HDMI | RZ/A2M LVDS To HDMI Board | EasyPlayback RGB TO HDMI | TFP410PAP (Included in GR-MANGO)

## GR-MANGOプロジェクトのビルド (他サンプルのビルド後なら1~2分ぐらい)

Mbed Programs — Mbed Studio

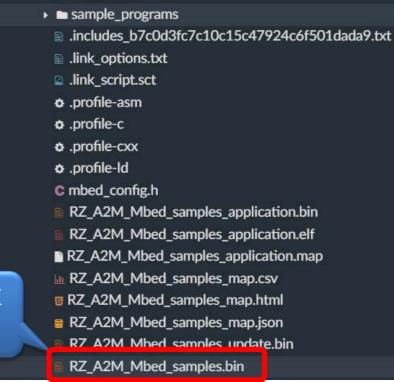


2. ウィンドウの右下に 進行状況が表示される

Background Tasks

Build RZ\_A2M\_Mbed\_samples 2%

Build RZ\_A2M\_Mbed\_samples



3. sample\_programフォルダに下記できればOK RZ\_A2M\_Mbed\_sample.bin

## GR-MANGOヘプログラムを書き込み (DAP Linkを使用)

