

Test\_Feather\_M0\_BT - AtmelStudio

File Edit View Assistant ASF Project Build Debug vMicro Tools Window Help

Debug Browser + PoB\_BLE\_UART

Arduino 1.6/1.8 Atmel Studio Debugger Adafruit Feather M0

breakouttouchpoint\* breakouttouchpoint.ino graphicstest\_featherwing.ino

Build Build Events Toolchain Device

Current Device: ATSAM21E18A Change Device...

Device Name: ATSAM21E18A  
App/Boot Memory (Kbytes): 256  
Data Memory (bytes): 32768  
EEPROM (bytes): N/A  
Speed: N/A  
Vcc: N/A  
Family: SAMD21  
[Device page for ATSAM21E18A](#)  
[Datasheet](#)

Supported Tools  
Atmel-ICE  
EDBG  
EDBG MSD  
JTAGICE3  
mEDBG  
MPLAB8 PICkit 4  
Power Debugger  
J-Link  
J-Link over IP

Device Selection

| Device Family       | Show devices             | Supported Parts     | Search for device |
|---------------------|--------------------------|---------------------|-------------------|
| Name                | App/Boot Memory (Kbytes) | Data Memory (bytes) | EEPROM (bytes)    |
| ATSAMD21E16L        | 66                       | 8192                | N/A               |
| ATSAMD21E17A        | 128                      | 16384               | N/A               |
| ATSAMD21E17D        | 132                      | 16384               | N/A               |
| ATSAMD21E17DU       | 132                      | 16384               | N/A               |
| ATSAMD21E17L        | 132                      | 16384               | N/A               |
| ATSAMD21E18A        | 256                      | 32768               | N/A               |
| ATSAMD21G15A        | 32                       | 4096                | N/A               |
| ATSAMD21G15B        | 33                       | 4096                | N/A               |
| ATSAMD21G15L        | 33                       | 4096                | N/A               |
| ATSAMD21G16A        | 64                       | 8192                | N/A               |
| ATSAMD21G16B        | 66                       | 8192                | N/A               |
| ATSAMD21G16L        | 66                       | 8192                | N/A               |
| ATSAMD21G17A        | 128                      | 16384               | N/A               |
| ATSAMD21G17AU       | 128                      | 16384               | N/A               |
| ATSAMD21G17D        | 132                      | 16384               | N/A               |
| ATSAMD21G17L        | 132                      | 16384               | N/A               |
| <b>ATSAMD21G18A</b> | <b>256</b>               | <b>32768</b>        | <b>N/A</b>        |
| ATSAMD21G18AU       | 256                      | 32768               | N/A               |
| ATSAMD21I15A        | 32                       | 4096                | N/A               |

Device Info:  
Device Name: ATSAM  
Speed: N/A  
Vcc: N/A  
Family: SAMD  
[Device page for ATSAM21G18A](#)  
[Datasheet](#)

Supported Tools  
Atmel-ICE  
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mEDBG  
MPLAB8 PICkit 4  
Power Debugger

Expressions on COM15

Expressions Watch Window: Waiting for debugger breakpoint data.

tips:-  
Add messages and/or (variables) and (function()) to break-points via 'break-point>action>message'  
Add =? to the end of a variable name to enable update of the variable value during a debug session: ie: "Motor volts: {myVar=?}"  
Include special vars such as {@Plot.MyWindow.MyChartName sensorValue} and/or {@ReportDigital}, {@ReportAnalog} to show charts during a debug session.  
If these commands are used then try to avoid using the automatic digital/analog reporting because it 'doubles up' on debugger messages.

Expressions on COM15 Serial | COM15 Error List

Solution Explorer Micro Explorer Output Processor Status I/O Properties VH View VH Outline

COM15 No Programmer Enable Programmer  
Debug Off Default Optimizac