<https://www.mouser.com/ProductDetail/Microchip-Technology/PIC12F1572-E-P?qs=FtPMRLvtI71qyr5F4Ac7iA%3D%3D&gclid=Cj0KCQjwof3cBRD9ARIsAP8x70MOsw3z1h68kV51TK39p0Lg8M2K56eONqJHC-6mcdjlm_YNEOLIYv8aAk-qEALw_wcB>

4 channel 10 bit ADC, 30 micro A operating current

<https://www.microchip.com/wwwproducts/en/PIC18F45K50#additional-features>

25 channel 10 bit ADC,

<https://www.mouser.com/ProductDetail/Microchip-Technology/PIC16F1615-I-P?qs=ngiZzThBxAi1xFJA5M6afA%3D%3D&gclid=Cj0KCQjwof3cBRD9ARIsAP8x70OlXnphhrZrmxH56tloYV-u6e_4KPQclZHLrHionpKkhrf0uWKJujcaAqt8EALw_wcB>

12 channel 10 bit ADC, 6 micro A operating current

<https://www.digikey.com/product-detail/en/PIC24F16KA102-I%2FSS/PIC24F16KA102-I%2FSS-ND/1635781>

9 channel 10 bit ADC,

<http://www.ti.com/lit/ds/symlink/cc2540.pdf>

Bluetooth enabled with 8 ADC.

<http://www.ti.com/lit/ds/symlink/cc2540.pdf>

<http://www.ti.com/product/CC2540/technicaldocuments#doctype6>

|  |  |
| --- | --- |
| Number of ADC | 12 bit, 8 channel |
| ADC operate in sleep mode? | Not sure, don’t think so |
| Size | 40 pin chip |
| Read GPIO in sleep? | Yes (page 19) |
| Embedded Bluetooth? | yes |
| How is it programmed | Software provided to write hex files |
| Cost? | $4.06 + $8 shipping + 45 for SDK |
| Lead time? | 4-7 days or faster. Longer for SDK. |

<https://www.mouser.com/ProductDetail/Nordic-Semiconductor/nRF52832-QFAA-R7?qs=4OAmtnimR16jAzs3W9owrg%3D%3D&gclid=Cj0KCQjwlqLdBRCKARIsAPxTGaXX3jGxf-qIdz94eSjG1GlrfwzTW6SLod1wc55Gy1Y5mOGrRjdm3qIaApobEALw_wcB>

<https://www.nordicsemi.com/eng/Products/Bluetooth-low-energy/nRF52-DK>

|  |  |
| --- | --- |
| Number of ADC | 12 bit, 8 channel |
| ADC operate in sleep mode? | Yes, low power mode |
| Size | 48 pin chip |
| Read GPIO in sleep? | Yes (page 157) |
| Embedded Bluetooth? | Yes |
| How is it programmed | Programmed with SDK. Contains source code libraries and example applications. |
| Cost? | $5.46 + $8 (or more) shipping + 40 for SDK |
| Lead time? | 4-7 days or faster. Same for SDK. |

<https://www.sparkfun.com/products/13907>

|  |  |
| --- | --- |
| Number of ADC | 12 bit, 18 channel |
| ADC operate in sleep mode? | Can be woken up with interrupt |
| Size | 48 pin chip |
| Read GPIO in sleep? | Not sure |
| Embedded Bluetooth? | Yes |
| How is it programmed | Download IDF on website for programming and help. |
| Cost? | $20 |
| Lead time? | 1-5 business days |