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def ReadFlash():
    global FlashCS
    global PA, numCounter

    if PA < numCounter:
        x = numCounter - PA - 1
        PA1 = 4095 - x

    else:
        PA1 = PA - numCounter

    i = 1
    n = 1
    num = 1
    latSA = ''
    lngSA = ''

    while i <= numCounter:
        writePin(FlashCS, False)
        cmd = MMPageRead
        cmd += chr((PA1 >> 8) & 0x3F)
        cmd += chr((PA1 & 0xFC) | (BA >> 8) & 0x03)
        cmd += chr(BA >> 8)
        spiWrite(cmd)
        dummy = ''
        count = 23
        while count > 0:
            dummy += '\xFF'
            count -= 1
        resp = spiXfer(dummy)
        writePin(FlashCS, True)

        latS = resp[4:6] + resp[6:8] + resp[8:12] + resp[12]
        lngS = resp[13:16] + resp[16:18] + resp[18:22] + resp[22]

        if n < 4:
            if i == numCounter:
                latSA += latS
                lngSA += lngS
                rpc('\x00\x00\x01',"getAll", latSA, lngSA, num)
                print num

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else:
    latSA += latS
    lngSA += lngS
    num +=1
    n += 1
elif n == 4:
    latSA += latS
    lngSA += lngS
    rpc('\x00\x00\x01',"getAll", latSA, lngSA, num)
    print latSA
    print num
    latSA = ''
    lngSA = ''
    n = 1
    num = 1

PA1 += 1
i += 1

if PA1 == 4096:
    PA1 = 0

numCounter = 0
```