

| Address | Bit 7 | Bit 6 | Bit 5 | Bit 4 | Bit 3 | Bit 2 | Bit 1 | Bit 0 | Function | Format | LSB |
|---------|--------------------|-------|-------|-------|-------|-------|------------|-----------|------------------------|---------------|------------------|
| 0x00 | DATETIME | | | | | | | | UNIX Time | unsigned long | 1 SECOND |
| 0x01 | | | | | | | | | | | |
| 0x02 | | | | | | | | | | | |
| 0x03 | | | | | | | | | | | |
| 0x04 | LATITUDE | | | | | | | | Latitude | signed int | .001 DEGREE |
| 0x05 | | | | | | | | | | | |
| 0x06 | | | | | | | | | | | |
| 0x07 | | | | | | | | | | | |
| 0x08 | LONGITUDE | | | | | | | | Longitude | signed int | .001 DEGREE |
| 0x09 | | | | | | | | | | | |
| 0x0A | | | | | | | | | | | |
| 0x0B | | | | | | | | | | | |
| 0x0C | ALTITUDE | | | | | | | | Altitude | signed int | 1 CM |
| 0x0D | | | | | | | | | | | |
| 0x0E | | | | | | | | | | | |
| 0x0F | | | | | | | | | | | |
| 0x10 | SPEED | | | | | | | | Speed | unsigned long | .01 KNOT |
| 0x11 | | | | | | | | | | | |
| 0x12 | | | | | | | | | | | |
| 0x13 | | | | | | | | | | | |
| 0x14 | COARSE | | | | | | | | Course | unsigned long | .01 DEGREE |
| 0x15 | | | | | | | | | | | |
| 0x16 | | | | | | | | | | | |
| 0x17 | | | | | | | | | | | |
| 0x18 | FIX AGE | | | | | | | | Fix age | unsigned long | .001 SECOND |
| 0x19 | | | | | | | | | | | |
| 0x1A | | | | | | | | | | | |
| 0x1B | | | | | | | | | | | |
| 0x1C | YEAR | | | | | | | | Year (2 digit) | unsigned byte | 1 YEAR |
| 0x1D | MONTH | | | | | | | | Month | unsinged byte | 1 MONTH |
| 0x1E | DAY | | | | | | | | Day | unsigned byte | 1 DAY |
| 0x1F | HOUR | | | | | | | | Hour | unsinged byte | 1 HOUR |
| 0x20 | MINUTE | | | | | | | | Minute | unsigned byte | 1 MINUTE |
| 0x21 | SECOND | | | | | | | | Second | unsinged byte | 1 SECOND |
| 0x22 | RATE | | | | | | | | Log Rate | unsigned int | SECOND |
| 0x23 | | | | | | | | | | | |
| 0x24 | A0 | A1 | A2 | A3 | X | X | A6 | A7 | Analog Pin Logging | boolean | NA |
| 0x25 | | | | | | | | | Reserved | | |
| 0x26 | D0 | D1 | D2 | D3 | D4 | D5 | D6 | D7 | Digital Pin Direction | bitfield | 0=INPUT/1=OUTPUT |
| 0x27 | D0 | D1 | D2 | D3 | D4 | D5 | D6 | D7 | Digital Pin Read/Write | bitfield | |
| 0x28 | D0 | D1 | D2 | D3 | D4 | D5 | D6 | D7 | Digital Pin Logging | bitfield | |
| 0x29 | | | | | | | | | Reserved | | |
| 0x2A | pwm_value | | | | | | | | D3 PWM WRITE | byte | |
| 0x2B | pwm_value | | | | | | | | D5 PWM WRITE | byte | |
| 0x2C | pwm_value | | | | | | | | D6 PWM WRITE | byte | |
| 0x2D | pwm_value | | | | | | | | D9 PWM WRITE | byte | |
| 0x2E | pwm_value | | | | | | | | P10 PWM WRITE | byte | |
| 0x2F | FILENAME (DOS 8.3) | | | | | | | | SD FILENAME | char[12] | |
| 0x30 | | | | | | | | | | | |
| 0x31 | | | | | | | | | | | |
| 0x41 | | | | | | | ENAB LE | WRIT E | SD File Flags | byte | |
| 0x42 | TELL/SEEK | | | | | | | | File Position | unsigned long | |
| 0x43 | | | | | | | | | | | |
| 0x44 | | | | | | | | | | | |
| 0x45 | | | | | | | | | | | |
| 0x46 | SD FILE DATA | | | | | | | | Read/Write data | char[32] | |
| 0x47 | | | | | | | | | | | |
| ... | | | | | | | | | | | |
| 0x67 | | | | | | | | | | | |
| | ERROR CODE | | | | | | | | Error code | byte | |