Name	Address Offset	Size (bytes)
Header	0	4
EEPROM Revision	4	2
Board Name	6	32
Version	38	4
Manufacturer	42	16
Part Number	58	16
Number of Pins	74	2
Serial Number	76	12
Pin Usage Array	88	148
VDD_3V3 Current Sink	236	2
VDD_5V0 Current Sink	238	2
SYS_5V0 Current Sink	240	2

VDD_5V0 Current Source	242	2
VBAT_Current_Sink	244	2
VIN_Current_Sink	246	2
Reserved	248	2
Reserved	250	2
Reserved	252	2
Checksum #1	254	2

Contents

0xAA, 0x55, 0x33, 0xEE
Revision number of the overall format of this EEPROM in ASCII =A1
Name of board in ASCII so user can read it when the EEPROM is dumped. Up to developer of the board as to what they call the board..
Hardware version code for board in ASCII. Version format is up to the developer. i.e. 02.1...00A1....10A0
ASCII name of the manufacturer. Company or individual's name.
ASCII Characters for the part number. Up to maker of the board.
Number of pins used by the daughter board including the power pins used.
Decimal value of total pins, stored in HEX.
Serial number of the board. This is a 12 character string which is:
WWYY&&&&nnnn
where: WW = 2 digit week of the year of production
Serial Number
76
12
YY = 2 digit year of production
&&&&=Assembly code to let the manufacturer document the assembly number or product. A way to quickly tell from reading the serial number what the board is. Up to the developer to determine.
nnnn = incrementing board number for that week of production
Two bytes for each configurable pins of the 74 pins on the expansion connectors
MSB
LSB
Bit order: 15 14 .....1..0
Bit 15.....Pin is used or not.....0=Unused by cape 1=Used by cape
Bit 14-13.....Pin Direction.....1 0=Output 01=Input 11=BDIR
Bits 12-7.....Reserved.....should be all zeros
Bit 6.....Slew Rate .....0=Fast 1=Slow
Bit 5.....Rx Enable.....0=Disabled 1=Enabled
Bit 4.....Pull Up/Dn Select.....0=Pulldown 1=PullUp
Bit 3.....Pull Up/DN enabled.....0=Enabled 1=Disabled
Bits 2-0 .....Mux Mode Selection.....Mode 0-7
(Only first 74 pins → remainder in "Pin Usage Extra")
Maximum current in milliamps. This is HEX value of the current in decimal 1500mA=0x05 0xDC 325mA=0x01 0x45
Maximum current in milliamps. This is HEX value of the current in decimal 1500mA=0x05 0xDC 325mA=0x01 0x45
Maximum current in milliamps. This is HEX value of the current in decimal 1500mA=0x05 0xDC 325mA=0x01 0x45

Indicates whether or not the board is supplying voltage on the VDD_5V rail and the current rating 000=No 1-0xFFFF is the current supplied storing the decimal equivalent in HEX format

Maximum current in milliamps. This is HEX value of the current in decimal

Maximum current in milliamps. This is HEX value of the current in decimal

Reserved

Reserved

Reserved

Checksum(16 bit) of this section of the EEPROM (000-253)