

Memory Map W2000A Series

| hex address offset sector | Description |
|--|-----------------------------------|
| 0x 0000 0000 | |
| 0x | |
| 0x 0003 FFFF | |
| Flash memory 124 x 64KB = 7,75 MB (from 8 MB Flash) | |
| 0x 0004 0000 | Bootloader -> copies flash to RAM |
| 0x 0004 0100 | Program start |
| 0x | |
| 0x | |
| 0x | |
| 0x | |
| 0x 000D FFFF | Program end |
| 0x 000E 0000 | begin config and storing area |
| 0x 000F 0000 | protected_Config_Flash 64 KB |
| 0x 0010 0000 | SAVE_SIGNAL_NR_A01 64 KB |
| 0x 0011 0000 | SAVE_SIGNAL_NR_A02 64 KB |
| 0x 0012 0000 | SAVE_SIGNAL_NR_A03 64 KB |
| 0x 0013 0000 | SAVE_SIGNAL_NR_A04 64 KB |
| 0x 0014 0000 | SAVE_SIGNAL_NR_A05 64 KB |
| 0x 0015 0000 | SAVE_SIGNAL_NR_A06 64 KB |
| 0x 0016 0000 | SAVE_SIGNAL_NR_A07 64 KB |
| 0x 0017 0000 | SAVE_SIGNAL_NR_A08 64 KB |
| 0x 0018 0000 | SAVE_SIGNAL_NR_A09 64 KB |
| 0x 0019 0000 | SAVE_SIGNAL_NR_A10 64 KB |
| 0x 001A 0000 | SAVE_SIGNAL_NR_A11 64 KB |
| 0x 001B 0000 | SAVE_SIGNAL_NR_A12 64 KB |
| 0x 001C 0000 | SAVE_SIGNAL_NR_A13 64 KB |
| 0x 001D 0000 | SAVE_SIGNAL_NR_A14 64 KB |
| 0x 001E 0000 | SAVE_SIGNAL_NR_A15 64 KB |
| 0x 001F 0000 | SAVE_SIGNAL_NR_A16 64 KB |
| 0x 0020 0000 | SAVE_SIGNAL_NR_B01 64 KB |
| 0x 0021 0000 | SAVE_SIGNAL_NR_B02 64 KB |
| 0x 0022 0000 | SAVE_SIGNAL_NR_B03 64 KB |
| 0x 0023 0000 | SAVE_SIGNAL_NR_B04 64 KB |
| 0x 0024 0000 | SAVE_SIGNAL_NR_B05 64 KB |
| 0x 0025 0000 | SAVE_SIGNAL_NR_B06 64 KB |
| 0x 0026 0000 | SAVE_SIGNAL_NR_B07 64 KB |
| 0x 0027 0000 | SAVE_SIGNAL_NR_B08 64 KB |
| 0x 0028 0000 | SAVE_SIGNAL_NR_B09 64 KB |
| 0x 0029 0000 | SAVE_SIGNAL_NR_B10 64 KB |
| 0x 002A 0000 | SAVE_SIGNAL_NR_B11 64 KB |
| 0x 002B 0000 | SAVE_SIGNAL_NR_B12 64 KB |
| 0x 002C 0000 | SAVE_SIGNAL_NR_B13 64 KB |
| 0x 002D 0000 | SAVE_SIGNAL_NR_B14 64 KB |
| 0x 002E 0000 | SAVE_SIGNAL_NR_B15 64 KB |
| 0x 002F 0000 | SAVE_SIGNAL_NR_B16 64 KB |
| 0x 0030 0000 | SAVE_SIGNAL_NR_C01 64 KB |
| 0x 0031 0000 | SAVE_SIGNAL_NR_C02 64 KB |
| 0x 0032 0000 | SAVE_SIGNAL_NR_C03 64 KB |
| 0x 0033 0000 | SAVE_SIGNAL_NR_C04 64 KB |
| 0x 0034 0000 | SAVE_SIGNAL_NR_C05 64 KB |
| 0x 0035 0000 | SAVE_SIGNAL_NR_C06 64 KB |

| | | | | |
|----|------|------|----------------------|-------|
| 0x | 0036 | 0000 | SAVE_SIGNAL_NR_C07 | 64 KB |
| 0x | 0037 | 0000 | SAVE_SIGNAL_NR_C08 | 64 KB |
| 0x | 0038 | 0000 | SAVE_SIGNAL_NR_C09 | 64 KB |
| 0x | 0039 | 0000 | SAVE_SIGNAL_NR_C10 | 64 KB |
| 0x | 003A | 0000 | SAVE_SIGNAL_NR_C11 | 64 KB |
| 0x | 003B | 0000 | SAVE_SIGNAL_NR_C12 | 64 KB |
| 0x | 003C | 0000 | SAVE_SIGNAL_NR_C13 | 64 KB |
| 0x | 003D | 0000 | SAVE_SIGNAL_NR_C14 | 64 KB |
| 0x | 003E | 0000 | SAVE_SIGNAL_NR_C15 | 64 KB |
| 0x | 003F | 0000 | SAVE_SIGNAL_NR_C16 | 64 KB |
| 0x | 0040 | 0000 | SAVE_SIGNAL_NR_D01 | 64 KB |
| 0x | 0041 | 0000 | SAVE_SIGNAL_NR_D02 | 64 KB |
| 0x | 0042 | 0000 | SAVE_SIGNAL_NR_D03 | 64 KB |
| 0x | 0043 | 0000 | SAVE_SIGNAL_NR_D04 | 64 KB |
| 0x | 0044 | 0000 | SAVE_SIGNAL_NR_D05 | 64 KB |
| 0x | 0045 | 0000 | SAVE_SIGNAL_NR_D06 | 64 KB |
| 0x | 0046 | 0000 | SAVE_SIGNAL_NR_D07 | 64 KB |
| 0x | 0047 | 0000 | SAVE_SIGNAL_NR_D08 | 64 KB |
| 0x | 0048 | 0000 | SAVE_SIGNAL_NR_D09 | 64 KB |
| 0x | 0049 | 0000 | SAVE_SIGNAL_NR_D10 | 64 KB |
| 0x | 004A | 0000 | SAVE_SIGNAL_NR_D11 | 64 KB |
| 0x | 004B | 0000 | SAVE_SIGNAL_NR_D12 | 64 KB |
| 0x | 004C | 0000 | SAVE_SIGNAL_NR_D13 | 64 KB |
| 0x | 004D | 0000 | SAVE_SIGNAL_NR_D14 | 64 KB |
| 0x | 004E | 0000 | SAVE_SIGNAL_NR_D15 | 64 KB |
| 0x | 004F | 0000 | SAVE_SIGNAL_NR_D16 | 64 KB |
| 0x | 0050 | 0000 | SAVE_SIGNAL_NR_E01 | 64 KB |
| 0x | 0051 | 0000 | SAVE_SIGNAL_NR_E02 | 64 KB |
| 0x | 0052 | 0000 | SAVE_SIGNAL_NR_E03 | 64 KB |
| 0x | 0053 | 0000 | SAVE_SIGNAL_NR_E04 | 64 KB |
| 0x | 0054 | 0000 | SAVE_SIGNAL_NR_E05 | 64 KB |
| 0x | 0055 | 0000 | SAVE_SIGNAL_NR_E06 | 64 KB |
| 0x | 0056 | 0000 | SAVE_SIGNAL_NR_E07 | 64 KB |
| 0x | 0057 | 0000 | SAVE_SIGNAL_NR_E08 | 64 KB |
| 0x | 0058 | 0000 | SAVE_SIGNAL_NR_E09 | 64 KB |
| 0x | 0059 | 0000 | SAVE_SIGNAL_NR_E10 | 64 KB |
| 0x | 005A | 0000 | SAVE_SIGNAL_NR_E11 | 64 KB |
| 0x | 005B | 0000 | SAVE_SIGNAL_NR_E12 | 64 KB |
| 0x | 005C | 0000 | SAVE_SIGNAL_NR_E13 | 64 KB |
| 0x | 005D | 0000 | SAVE_SIGNAL_NR_E14 | 64 KB |
| 0x | 005E | 0000 | SAVE_SIGNAL_NR_E15 | 64 KB |
| 0x | 005F | 0000 | SAVE_SIGNAL_NR_E16 | 64 KB |
| 0x | 0060 | 0000 | | 64 KB |
| 0x | 0061 | 0000 | | 64 KB |
| 0x | 0062 | 0000 | | 64 KB |
| 0x | 0063 | 0000 | | 64 KB |
| 0x | 0064 | 0000 | | 64 KB |
| 0x | 0065 | 0000 | | 64 KB |
| 0x | 0066 | 0000 | | 64 KB |
| 0x | 0067 | 0000 | | 64 KB |
| 0x | 0068 | 0000 | | 64 KB |
| 0x | 0069 | 0000 | | 64 KB |
| 0x | 006A | 0000 | | 64 KB |
| 0x | 006B | 0000 | | 64 KB |
| 0x | 006C | 0000 | WTAG_Logo_Half_Flash | 64 KB |
| 0x | 006D | 0000 | WTAG_Logo | 64 KB |

| | | | | |
|----|------|------|--------------------------|-------|
| 0x | 006E | 0000 | UI_Plane1_Flash | 64 KB |
| 0x | 006F | 0000 | UI_Plane2_Flash | 64 KB |
| 0x | 0070 | 0000 | UI_Plane3_Flash | 64 KB |
| 0x | 0071 | 0000 | UI_Plane4_Flash | 64 KB |
| 0x | 0072 | 0000 | UI_Plane5_Flash | 64 KB |
| 0x | 0073 | 0000 | Channel_Plane1_Flash | 64 KB |
| 0x | 0074 | 0000 | Channel_Plane2_Flash | 64 KB |
| 0x | 0075 | 0000 | Channel_Plane3_Flash | 64 KB |
| 0x | 0076 | 0000 | Channel_Plane4_Flash | 64 KB |
| 0x | 0077 | 0000 | Channel_Math_Plane_Flash | 64 KB |
| 0x | 0078 | 0000 | Memory_Plane1_Flash | 64 KB |
| 0x | 0079 | 0000 | Memory_Plane2_Flash | 64 KB |
| 0x | 007A | 0000 | Memory_Plane3_Flash | 64 KB |
| 0x | 007B | 0000 | Marker_Plane1_Flash | 64 KB |
| 0x | 007C | 0000 | Marker_Plane2_Flash | 64 KB |
| 0x | 007D | 0000 | Grid_Plane_Flash | 64 KB |
| 0x | 007E | 0000 | Grid_Delayed_Plane_Flash | 64 KB |
| 0x | 007F | 0000 | Config_Flash | 64 KB |

RAM 32 x 64KB = 2MB

| | | | | |
|----|------|------|--|--|
| 0x | 0080 | 0000 | | |
| 0x | | | | |
| 0x | | | | |
| 0x | | | | |
| 0x | | | | |
| 0x | | | | |
| 0x | | | | |
| 0x | 009F | FFFF | | |

Peripherals

| | | | | |
|----|------|------|-------|--|
| 0x | 00A0 | 0000 | ADC 1 | |
| 0x | 00A0 | 0010 | ADC 2 | |
| 0x | 00A0 | 0020 | ADC 3 | |
| 0x | 00A0 | 0030 | ADC 4 | |
| 0x | | | | |
| 0x | | | | |
| 0x | | | | |