

Kernel driver w83795

Supported chips:

- Winbond/Nuvoton W83795G
Prefix: 'w83795g'
Addresses scanned: I2C 0x2c - 0x2f
Datasheet: Available for download on nuvoton.com
- Winbond/Nuvoton W83795ADG
Prefix: 'w83795adg'
Addresses scanned: I2C 0x2c - 0x2f
Datasheet: Available for download on nuvoton.com

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Pin mapping

Here is a summary of the pin mapping for the W83795G and W83795ADG. This can be useful to convert data provided by board manufacturers into working libensors configuration statements.

- W83795G

| Pin | Name | Register | Sysfs attribute |
|--------|------------------|----------|-----------------|
| 13 | VSEN1 (VCORE1) | 10h | in0 |
| 14 | VSEN2 (VCORE2) | 11h | in1 |
| 15 | VSEN3 (VCORE3) | 12h | in2 |
| 16 | VSEN4 | 13h | in3 |
| 17 | VSEN5 | 14h | in4 |
| 18 | VSEN6 | 15h | in5 |
| 19 | VSEN7 | 16h | in6 |
| 20 | VSEN8 | 17h | in7 |
| 21 | VSEN9 | 18h | in8 |
| 22 | VSEN10 | 19h | in9 |
| 23 | VSEN11 | 1Ah | in10 |
| 28 | VTT | 1Bh | in11 |
| 24 | 3VDD | 1Ch | in12 |
| 25 | 3VSB | 1Dh | in13 |
| 26 | VBAT | 1Eh | in14 |
| 3 | VSEN12/TR5 | 1Fh | in15/temp5 |
| 4 | VSEN13/TR5 | 20h | in16/temp6 |
| 5/ 6 | VDSSEN14/TR1/TD1 | 21h | in17/temp1 |
| 7/ 8 | VDSSEN15/TR2/TD2 | 22h | in18/temp2 |
| 9/ 10 | VDSSEN16/TR3/TD3 | 23h | in19/temp3 |
| 11/ 12 | VDSSEN17/TR4/TD4 | 24h | in20/temp4 |
| 40 | FANIN1 | 2Eh | fan1 |
| 42 | FANIN2 | 2Fh | fan2 |
| 44 | FANIN3 | 30h | fan3 |
| 46 | FANIN4 | 31h | fan4 |
| 48 | FANIN5 | 32h | fan5 |
| 50 | FANIN6 | 33h | fan6 |
| 52 | FANIN7 | 34h | fan7 |
| 54 | FANIN8 | 35h | fan8 |
| 57 | FANIN9 | 36h | fan9 |
| 58 | FANIN10 | 37h | fan10 |
| 59 | FANIN11 | 38h | fan11 |
| 60 | FANIN12 | 39h | fan12 |
| 31 | FANIN13 | 3Ah | fan13 |
| 35 | FANIN14 | 3Bh | fan14 |

| Pin | Name | Register | Sysfs attribute |
|--------|-----------------|--------------|-----------------|
| 41 | FANCTL1 | 10h (bank 2) | pwm1 |
| 43 | FANCTL2 | 11h (bank 2) | pwm2 |
| 45 | FANCTL3 | 12h (bank 2) | pwm3 |
| 47 | FANCTL4 | 13h (bank 2) | pwm4 |
| 49 | FANCTL5 | 14h (bank 2) | pwm5 |
| 51 | FANCTL6 | 15h (bank 2) | pwm6 |
| 53 | FANCTL7 | 16h (bank 2) | pwm7 |
| 55 | FANCTL8 | 17h (bank 2) | pwm8 |
| 29/ 30 | PECI/TSI (DTS1) | 26h | temp7 |
| 29/ 30 | PECI/TSI (DTS2) | 27h | temp8 |
| 29/ 30 | PECI/TSI (DTS3) | 28h | temp9 |
| 29/ 30 | PECI/TSI (DTS4) | 29h | temp10 |
| 29/ 30 | PECI/TSI (DTS5) | 2Ah | temp11 |
| 29/ 30 | PECI/TSI (DTS6) | 2Bh | temp12 |
| 29/ 30 | PECI/TSI (DTS7) | 2Ch | temp13 |
| 29/ 30 | PECI/TSI (DTS8) | 2Dh | temp14 |
| 27 | CASEOPEN# | 46h | intrusion0 |

- W83795ADG

| Pin | Name | Register | Sysfs attribute |
|------|------------------|--------------|-----------------|
| 10 | VSEN1 (VCORE1) | 10h | in0 |
| 11 | VSEN2 (VCORE2) | 11h | in1 |
| 12 | VSEN3 (VCORE3) | 12h | in2 |
| 13 | VSEN4 | 13h | in3 |
| 14 | VSEN5 | 14h | in4 |
| 15 | VSEN6 | 15h | in5 |
| 16 | VSEN7 | 16h | in6 |
| 17 | VSEN8 | 17h | in7 |
| 22 | VTT | 1Bh | in11 |
| 18 | 3VDD | 1Ch | in12 |
| 19 | 3VSB | 1Dh | in13 |
| 20 | VBAT | 1Eh | in14 |
| 48 | VSEN12/TR5 | 1Fh | in15/temp5 |
| 1 | VSEN13/TR5 | 20h | in16/temp6 |
| 2/ 3 | VDSSEN14/TR1/TD1 | 21h | in17/temp1 |
| 4/ 5 | VDSSEN15/TR2/TD2 | 22h | in18/temp2 |
| 6/ 7 | VDSSEN16/TR3/TD3 | 23h | in19/temp3 |
| 8/ 9 | VDSSEN17/TR4/TD4 | 24h | in20/temp4 |
| 32 | FANIN1 | 2Eh | fan1 |
| 34 | FANIN2 | 2Fh | fan2 |
| 36 | FANIN3 | 30h | fan3 |
| 37 | FANIN4 | 31h | fan4 |
| 38 | FANIN5 | 32h | fan5 |
| 39 | FANIN6 | 33h | fan6 |
| 40 | FANIN7 | 34h | fan7 |
| 41 | FANIN8 | 35h | fan8 |
| 43 | FANIN9 | 36h | fan9 |
| 44 | FANIN10 | 37h | fan10 |
| 45 | FANIN11 | 38h | fan11 |
| 46 | FANIN12 | 39h | fan12 |
| 24 | FANIN13 | 3Ah | fan13 |
| 28 | FANIN14 | 3Bh | fan14 |
| 33 | FANCTL1 | 10h (bank 2) | pwm1 |
| 35 | FANCTL2 | 11h (bank 2) | pwm2 |
| 23 | PECI (DTS1) | 26h | temp7 |
| 23 | PECI (DTS2) | 27h | temp8 |
| 23 | PECI (DTS3) | 28h | temp9 |
| 23 | PECI (DTS4) | 29h | temp10 |
| 23 | PECI (DTS5) | 2Ah | temp11 |
| 23 | PECI (DTS6) | 2Bh | temp12 |

| Pin | Name | Register | Sysfs attribute |
|-----|-------------|----------|-----------------|
| 23 | PECI (DTS7) | 2Ch | temp13 |
| 23 | PECI (DTS8) | 2Dh | temp14 |
| 21 | CASEOPEN# | 46h | intrusion0 |