Broadcom BCM54140 Quad SGMII/QSGMII PHY

Supported chips:

- Broadcom BCM54140

  Datasheet: not public

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Description

The Broadcom BCM54140 is a Quad SGMII/QSGMII PHY which supports monitoring its die temperature as well as two analog voltages.

The AVDDL is a 1.0V analogue voltage, the AVDDH is a 3.3V analogue voltage. Both voltages and the temperature are measured in a round-robin fashion.

Sysfs entries

The following attributes are supported.

in0_label	"AVDDL"
in0_input	Measured AVDDL voltage.
in0_min	Minimum AVDDL voltage.
in0_max	Maximum AVDDL voltage.
in0_alarm	AVDDL voltage alarm.
in1_label	"AVDDH"
in1_input	Measured AVDDH voltage.
in1_min	Minimum AVDDH voltage.
in1_max	Maximum AVDDH voltage.
in1_alarm	AVDDH voltage alarm.
temp1_input	Die temperature.
temp1_min	Minimum die temperature.
temp1_max	Maximum die temperature.
temp1_alarm	Die temperature alarm.