



Feedback input of channel 1. Connect the FB1 pin to VDDA for a 3.3-V output or connect FB1 to AGND for a 5-V output. A resistive divider from VOUT1 to FB1 sets the output voltage level between 0.6 V and 55 V. The regulation threshold at FB1 is 0.6 V

Connect MODE to AGND or VDDA for dual-output or interleaved single-output operation, respectively. This also configures the LM5143-Q1 with an EA transconductance of 1200  $\mu$ S. Connecting a 10-k $\Omega$  resistor between MODE and AGND sets the LM5143-Q1 for dual-output operation with an ultra-low IQ mode and an EA transconductance of 60  $\mu$ S

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