

Analog Discovery 2 Statement of Volatility

Revision A.1



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This document lists the location, purpose, capacity, volatility and (re)programmability of memory devices that may be installed on the Analog Discovery 2 (DPN: 210-321). The terms programmable and erasable refer to normal means of access available to the public. It does not include reverse-engineering or any other attempts to extract data from these devices. The content of this document is provided for information purposes only.

Volatile memory

IC	Memory Purpose	User programmable	User removable	Size	Reset procedure
XC6SLX16-L1CP G196	Configuration data for internal latches	Yes	No	3,731,264b	Remove power for 60 seconds
XC6SLX16-L1CP G196	Block RAM	Yes	No	576Kib	Remove power for 60 seconds
XC6SLX16-L1CP G196	Distributed RAM	Yes	No	136Kib	Remove power for 60 seconds
AD9648 LFCSP-64	Registry set for Oscilloscope ADC	Yes	No	51B	Remove power for 60 seconds
AD9717 LFCSP-40	Registry set for Wavegen DAC	Yes	No	96B	Remove power for 60 seconds
AD5643RBRMZ-3 MSOP-10	Registry set for Oscilloscope Offset	Yes	No	31b	Remove power for 60 seconds
AD5645RBRUZ TSSOP14-AD	Registry set for Wavegen Offset and Power Supply Voltage	Yes	No	61b	Remove power for 60 seconds
ADM1177-1ARMZ MSOP-10	Registry set for USB power monitor	Yes	No	51b	Remove power for 60 seconds
ADM1177-1ARMZ MSOP	Registry set for AUX power monitor	Yes	No	51b	Remove power for 60 seconds
AD7415ARTZ-0 SOT23-5-AD	Registry set for Temperature sensor	Yes	No	37b	Remove power for 60 seconds

Non-volatile memory

IC	Memory Purpose	Technology	User programmable	User removable	Size	Reset procedure
93LC66B SOT23-6	Factory and User calibration	EEPROM	Yes	No	4KiB	1.
93LC56B SOT23-6	USB ID and Configuration	EEPROM	Yes	No	2KiB	2.a or 2.b

1. The user calibration can be erased under WaveForms application/ Settings/ Device Manager/ Calibrate/ Reset/ "Load factory" and press Apply.
- 2.a The username can be changed under WaveForms application/ Settings/ Device Manager/ Rename enter a different name (default name is "Discovery2") and press Ok
- 2.b The FT_Prog.exe from FTDI can be used to erase the entire EEPROM content, "Erase Device". This will remove device ID and SN as well!