

Dragon Computer Supply Current Measurements

S. Orchard 11.05.2020

Main board		PSU board		Supply current mA			Reg input voltage no load				Reg input voltage loaded			
Type	Ser. No.	Type	Ser. No.	+5V	+12V	-5V	+5V	+12V	-5V	(R5)	+5V	+12V	-5V	(R5)
D32 with memory daughterboard	18258	ISS4	119306	620	128	32	11.7	20.0	-19.9	-20.2	9.2	17.3	-13.6	-18.6
D32 Siemens	71813	ISS4	171306	700	134	47	11.6	19.6	-19.8	-20.1	8.9	16.8	-10.5	-18.2
D32 MKII ISS6 64K Upgrade	87828	ISS3	11640	820	0.5	45	11.5	19.9	-19.8	-20.0	8.8	19.0	-9.5	-18.1
D64 ISS3	268512	ISS4	195570	870	3.9	56	11.5	20.2	-20.2	n/a	8.8	19.1	-18.2	n/a

Notes:

Currents measured by inserting ammeter into connection between PSU board and main board

External transformer for these tests was the smaller rectangular footprint CT model

Unloaded voltage measurements are with main board disconnected

Cassette motor relay consumes approx. 35mA extra from +12V supply

-5V regulator input voltages given for both regulator input and R5 resistor in series with input (n/a for D64)