

CISYNTH

26/05/2018

PINNOUT CIS

GND	Green Led	Vled (5V)	Start Pulse	Vin (3.3V)	Vref (3.3V)
12	10	8	6	4	2
11	9	7	5	3	1
Red Led	Blue Led	Clock	Mode (1.6V)	GND	Analog Out

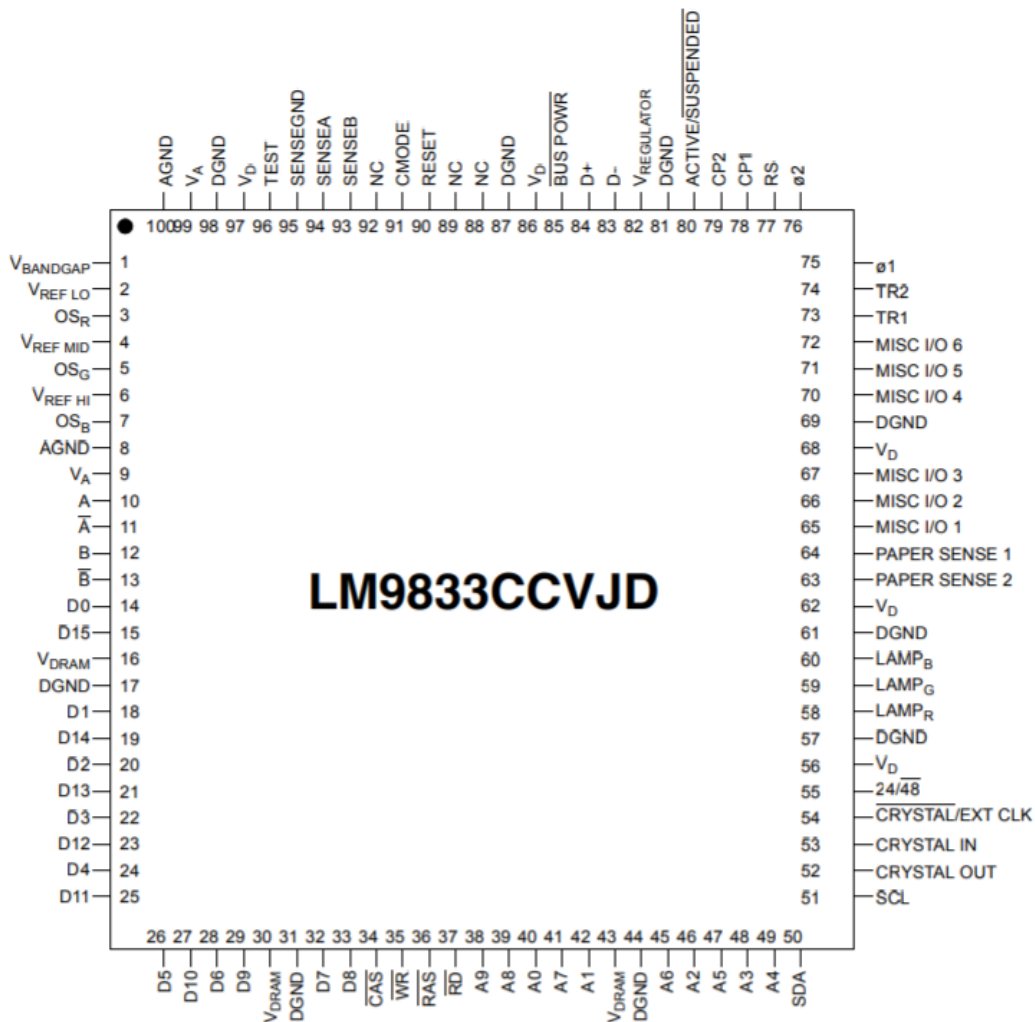
Reverse Canon CanoScan LiDE 25

Mainboard chips :

- LM9833CCVS-1 (Texas Instruments)

48-Bit Color, 1200dpi USB Image Scanner

<http://www.ti.com/lit/ds/symlink/lm9833.pdf>



Red Led	Blue Led	Clock	Mode (1.5V)	GND	Analog Out
LAMP R(58)	LAMP B(60)	ø1(75)	VREF LO(2)	DGND	VREF HI(6)
11	9	7	5	3	1
12	10	8	6	4	2
DGND	LAMP G(59)	5V USB	TR1(73)	Power DC/DC	Res. Pullup 4.7K
GND	Green Led	Vled (5V)	Start Pulse	Vin (3.3V)	Vref (3.3V)

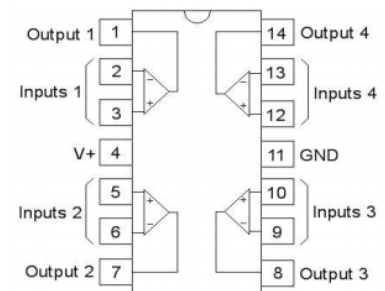
- M11B416256A (ELITEmt)p

256K x 16 DRAM

- LM324 (Texas Instruments)

Quad Op-Amp

<http://www.ti.com/lit/ds/snosc16d/snosc16d.pdf>



- LA5664

Perhaps Dual DC/DC power supply ?

- BD6750FS (ROHM)

Stepper motor driver

- 4803 AO4803A (ALPHA & OMEGA)

Dual P-channel mosfet

<http://www.aosmd.com/pdfs/datasheet/AO4803A.pdf>

- BAQF 2SB1132 (ROHM)

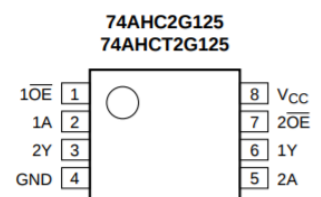
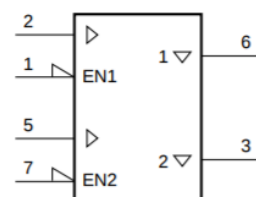
Medium Power Transistor 32V 1A SOT89

<http://rohmfs.rohm.com/en/products/databook/datasheet-nrnd/discrete/transistor/bipolar/2sb1132.pdf>

- C25 74AHCT2G125DP (NXP)

Dual buffer/line driver tri-state

https://assets.nexperia.com/documents/datasheet/74AHC_AHCT2G125.pdf

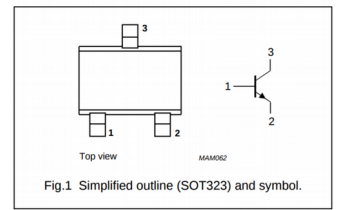


- W1A PMST3904 (NXP)

NPN transistor

http://www.s-manuals.com/pdf/datasheet/p/m/pmst3904_nxp.pdf

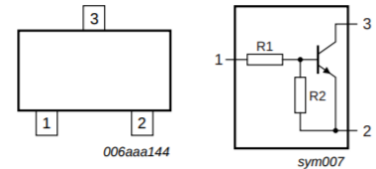
PIN	DESCRIPTION
1	base
2	emitter
3	collector



- t02 PDTC143EU (NXP)

NPN equipped transistors R1 = 4,7K, R2 = 4,7K

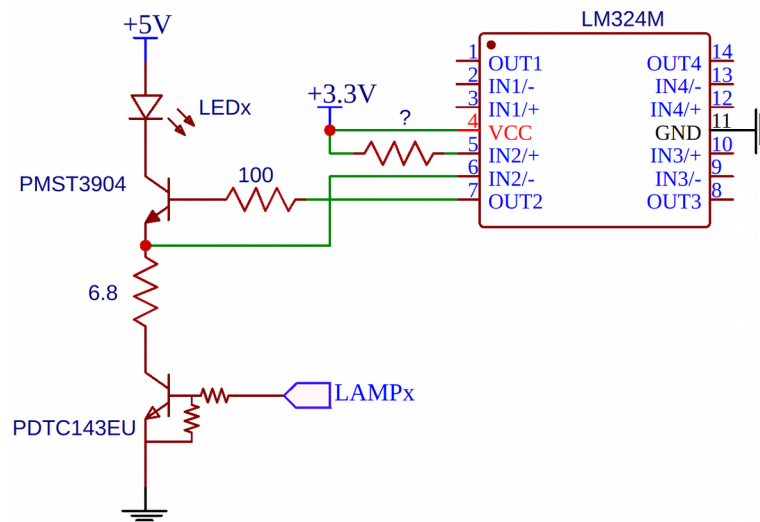
https://assets.nexperia.com/documents/data-sheet/PDTC143E_SER.pdf



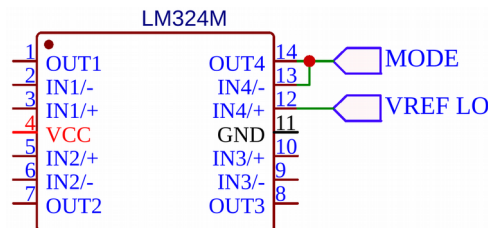
Mainboard schematics :

- LEDx driver

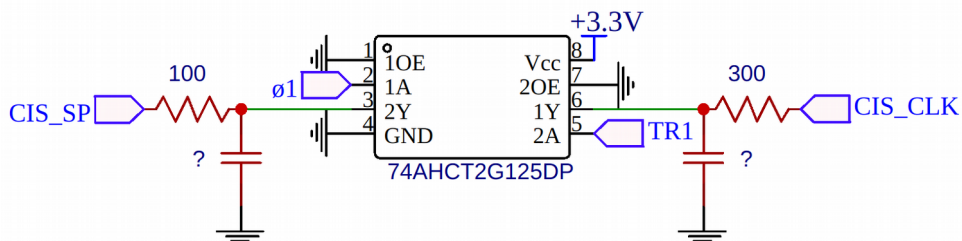
R ? = 4.3K



- MODE pin drive



- CLOCK & Start Pulse interface



- Analog read

R ? = 10K

