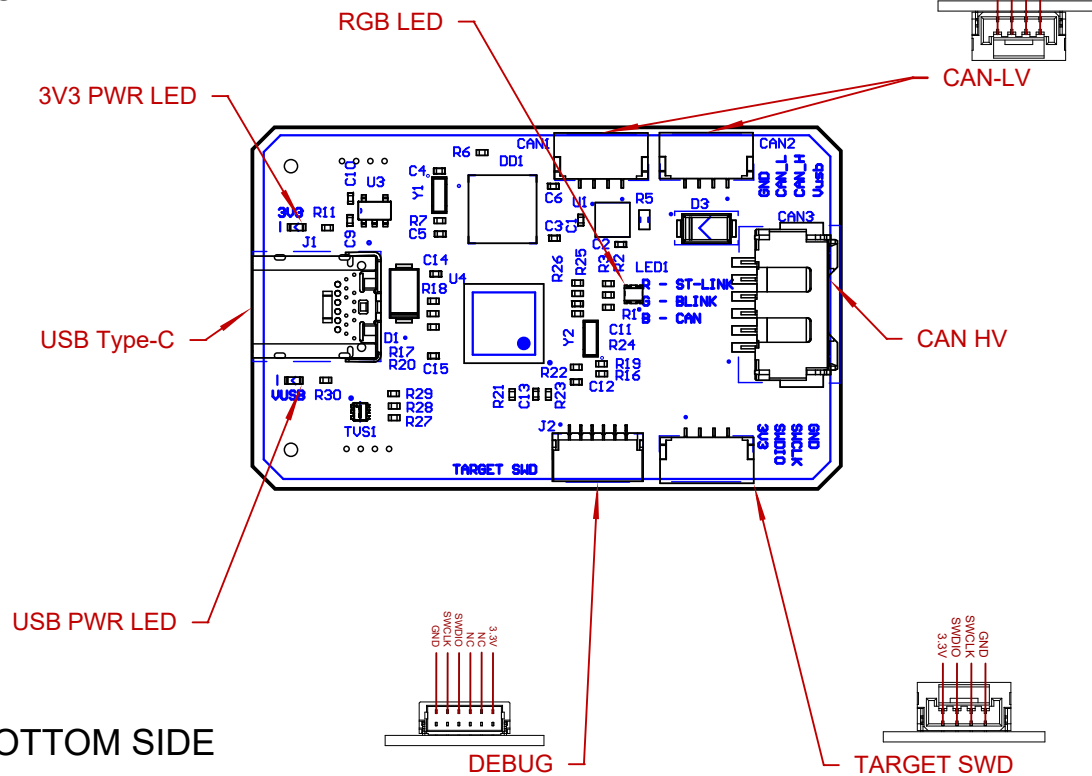
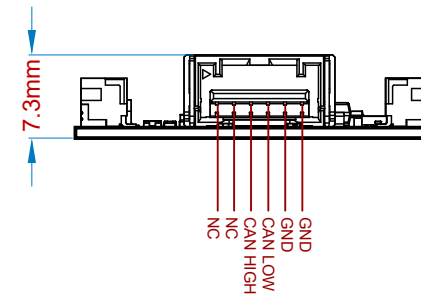
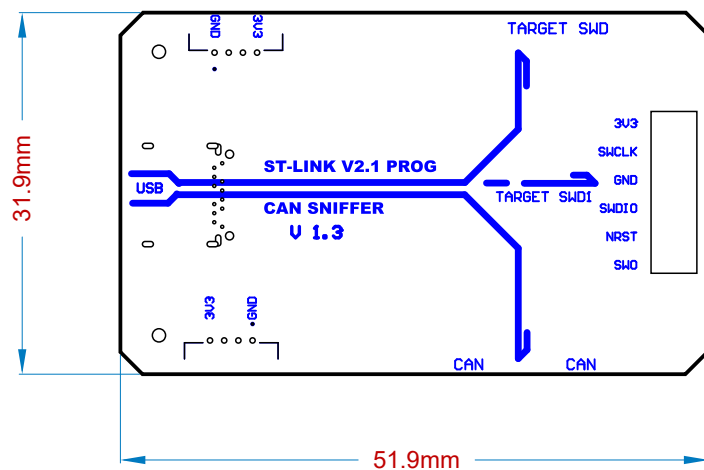


TOP SIDE



BOTTOM SIDE



1. Max input voltage 5.3 V
2. CAN LV pinout:
5V
CAN H
CAN L
GND
3. SWD pinout:
GND
SWCLK
SWDIO
3V3

Designator	Quantity	MF	MP	Value	Package	Description	Instructions	Type	HelpURL	ChipDip_Link	Name
3V3	1		LTST-C194K8KT	RED	0603 Lite-On	Red 620nm LED Indication Discrete 2.2V 0603 (1608 Metric)		SMD			0603-LED-RED
C1, C2, C3, C4, C5, C6, C9, C10, C11, C12, C13, C14, C15	13	Murata	GCM155R71H104KE02D	0.1u	0402	GCM155R71H104KE02D, Чип 0603 X/R 0.1uF +10%, 50V, Конденсатор				https://www.chipdip.ru/product/gcm155r71h104ke02d-murata	GCM155R71H104KE02D
CAN1, CAN2, TARGET SWD	3	JST Sales	SM04B-GHS-TB(LF)(SN)		None	Connector Header Surface Mount, Right Angle 4 position 0.049" 1.25mm			http://www.farnell.com/datasheets/2082975.pdf	https://www.chipdip.ru/product/sm04b-ghs-tb-lf-sn-gh-1.25mm-header-side-ent	SM04B-GHS-TB(LF)(SN)-
CAN3	1	Molex	502585-0670		None	1.50mm Pitch, CLIK-Mate PCB Receptacle, Single Row, Surface Mount, Right-Angle, Tin Plating, Positive Lock, 6Circuits, Natural		SMD			502585-0670
D1		Taiwan Semiconductor	SMAJ5.0		DO-214AC-2 Taiwan Semiconductor	400W, 6.9V, 10%, Unidirectional, TVS					SMAJ5.0
D3	1		SS16		SMA-2	Diode Schottky 60V 1A Surface Mount SMA	DNP	SMD		https://www.chipdip.ru/product/ss16	SS16
DD1	1	STM	STM32F103T8U6		VFQFPN-36	STM32F103T8U6, Микроконтроллер 32BIT ARM 64K FLASH (VFQFPN-36)		SMD	http://www.st.com/stonline/products/literature/ds/135287.pdf	https://www.chipdip.ru/product/stm32f103t8u6	STM32F103T8
J1	1	CUI Devices	UI31-CH-31N-SMT-TR		None	Type C, USB 3.1 Gen 2, 5A, Right Angle, Surface Mount, SMT, USB Receptacle		SMT	https://www.chipdip.ru/product/ui31-ch-31n-sm-t-usb-receptacle	https://www.chipdip.ru/product/ui31-ch-31n-sm-t-usb-receptacle	UI31-CH-31N-SMT-TR
J2	1	JST Sales	SM06B-SRSS-TB_LF__SN__		None	Connector Header Surface Mount, Right Angle 6 position 0.039" 1.00mm					SM06B-SRSS-TB(LF)(SN)
LED1	1		LTST-C19HE1WT			Blue/Green/Red		SMD	https://static.chipdip.ru/lib/039/D/OC013039662.pdf	https://www.chipdip.ru/product/ltst-c19he1wt	LTST-C19HE1WT
R1, R2, R3	3	Yageo or NXP	RC0402FR-07330RL	330	RC0402	0.0628±0402 330 Ом, 1%, Чип резистор (SMD)		SMD	https://www.chipdip.ru/product/rc0402fr-07330rl	https://www.chipdip.ru/product/rc0402fr-07330rl	RC0402FR-07330RL
R5	1	Yageo or NXP	RC0603FR-07120RL	120	RC0603	120 Ohms 1.0 1W 1 to W Chip Resistor 0603 1608 Metric Thick Film		SMD	https://www.chipdip.ru/product/rc0603fr-07120rl	https://www.chipdip.ru/product/rc0603fr-07120rl	RC0603FR-07120RL
R6, R7, R21, R22, R23, R24, R25, R26	8	Yageo or NXP	RC0402FR-0710KL	10k	RC0402	0.0628±0402 10 кОм, 1%, Чип резистор (SMD)		SMD	https://www.chipdip.ru/product/rc0402fr-0710kl	https://www.chipdip.ru/product/rc0402fr-0710kl	RC0402FR-0710KL
R11, R30	2	Yageo or NXP	RC0402FR-071KL	1k	RC0402	0.0628±0402 1 кОм, 1%, Чип резистор (SMD)		SMD	https://www.chipdip.ru/product/rc0402fr-071kl	https://www.chipdip.ru/product/rc0402fr-071kl	RC0402FR-071KL
R16, R17, R19, R20, R27, R28	6	Yageo or NXP	RC0402FR-0722RL	22	RC0402	0.0628±0402 22 Ом, 1%, Чип резистор (SMD)		SMD	https://www.chipdip.ru/product/rc0402fr-0722rl	https://www.chipdip.ru/product/rc0402fr-0722rl	RC0402FR-0722RL
R18	1	Yageo or NXP	RC0402FR-07120RL	120	RC0402	0.0628±0402 120 Ом, 1%, Чип резистор (SMD)		SMD	https://www.chipdip.ru/product/rc0402fr-07120rl	https://www.chipdip.ru/product/rc0402fr-07120rl	RC0402FR-07120RL
R29	1	Yageo or NXP	RC0402FR-071K6L	1.6k	RC0402	0.0628±0402 1.6 кОм, 1%, Чип резистор (SMD)		SMD	https://www.chipdip.ru/product/rc0402fr-071k6l	https://www.chipdip.ru/product/rc0402fr-071k6l	RC0402FR-071K6L
SWD1, SWD2	2	JST Sales	SM04B-GHS-TB(LF)(SN)		None	Conn Shrouded Header HDR 4 POS 1.25mm Solder ST SMD Reel	DNP	SMD			SM04B-GHS-TB(LF)(SN)-
TARGET SWD1	1		PLS-6			PLS-6 (DS1021-1x6), Вилка штыревая 2.54мм 1x6 прямая тип I	DNP	SMD		https://www.chipdip.ru/product/pls-6	PLS-6
TVS1	1	STM	USBLC6-ZP6		SOT-666	17V Clamp 5A (8/20us) Ipp Tvs Diode Surface Mount SOT-666		SMD	https://static.chipdip.ru/lib/093/D/OC001093117.pdf	https://www.chipdip.ru/product/usblc6-zp6-2	USBLC6-ZP6
U1	1	NXP USA	TJA1042TK/3		VDFN-8 NXP USA	1/1 Transceiver Half CANbus 8-SO		SMD	https://static.chipdip.ru/lib/883/D/OC001583059.pdf	https://www.chipdip.ru/product/tja1042tk3	TJA1042TK/3
U3	1	MaxLinear, Inc.	SPX3819MS-L-3-3/TR	3V3	SOT-23-5 Exar	Low Dropout Voltage Regulator, Adjustable 0.5A, 84%, 2.5 to 16Vin, 5-Pin SOT-23		SMD	http://www.farnell.com/datasheets/2614478.pdf	https://www.chipdip.ru/product/spx3819ms-l-3-3-tr	SPX3819MS-L-3-3/TR
U4	1	STM	STM32F103CBT6		LQFP-48	ARM® Cortex®-M3 STM32F103 Microcontroller 1C 32-Bit 72MHz 128KB (128K x 8) FLASH	STM32F103CBT6 - should be B letter not 8	SMD	https://static.chipdip.ru/lib/235/D/OC000235733.pdf	https://www.chipdip.ru/product/stm32f103cbt6	STM32F103CBT6
VUSB	1		LTST-C194KFKT		ORANGE	Orange 605nm LED Indication Discrete 2.2V 0603 (1608 Metric)		SMD			0603-LED-ORANGE
Y1, Y2	2	Murata	CSTCE8M00G55-R0		SMD-3 Murata	Ceramic Resonator 8MHz ±70.5% _Tol_ ±70.2% _Stability_ ±3pp 400nm 3 Pin CSMD T/R		SMD	https://www.murata.com/en-eu/api/pdf/download?gate=6p&no=CSIC&M00G55-R0	https://www.chipdip.ru/product/cstce8m00g55-r0	CSTCE8M00G55-R0