

Comment	Description	Designator	Footprint	LibRef	Quantity	ComponentLink1Description	Manufacturer	Manufacturer Part Number	Supplier 1	Supplier Part Number 1
36-5002-ND	TP - PC TEST POINT MINIATURE WHITE	+5V	TP-KSTN-5002	36-5002-ND	1	https://datasheet.ciiva.com/2917/5000-5004-2917628.pdf?src-supplier=Digi-Key	Keystone Electronics	5002	Digi-Key	36-5002-ND
TestPoint	TP - PC TEST POINT MINIATURE WHITE	3.3V-STM, GND, TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP9, TP10, TP11, TP12, TP14, TP16, TP17, TP18, TP19, TP20, TP22, TP23, TP24, TP25, TP26, TP27, TP28, TP29, TP30, TP31, TP32, TP33, TP34, TP35, TP36, TP37, TP38, TP39, TP40, TP41, TP42, TP43, TP44, TP45, TP46, TP47, TP48	TP-KSTN-5002	36-5002-ND	46	https://datasheet.ciiva.com/2917/5000-5004-2917628.pdf?src-supplier=Digi-Key	Keystone Electronics	5002	Digi-Key	36-5002-ND
100nf	Ceramic capacitor SMD 1206 100 nF 50 V 10 % Samsung Electro-Mechanics CL31B104KBCNNNC 4000 pc(s)	C1, C2	CAPC3216X180N	100nf	2					
0.1 µF	C 0.1 µF V3 - CAP FILM 0.1UF 5% 16VDC 1210	C3	C-O.1-MF-V3	ECH-U1C104JX5	1		Panasonic	ECH-U1C104JX5	Digi-Key	PCF1208CT-ND
Header 2x1 2.54mm	Connector Header Through Hole 2 position 0.100 (2.54mm)	J1	MOLEX_22-28-4020	Header 2x1 2.54mm	1					
2x19 Header Female	38 Pin - CONN RCPT 38POS 0.1 GOLD SMD	J2, J3	38-PIN_HEADER_FEMALE	SSM-119-L-DV	2	https://datasheet.ciiva.com/746/ssm-1xx-xxx-dv-xx-xx-x-xx-mkt-746626.pdf?src-supplier=Digi-Key	Samtec	SSM-119-L-DV	Digi-Key	SAM1146-19-ND
2-Pin Plugg	2 Pin Plugg - TERM BLOCK HDR 2POS 90DEG 3.5MM	J4	2-Pin-Plugg-PGA4x2	395021002	1	http://components.arrow.com/part/dataview/44158185S8381659N3303?src-supplier=Arrow+Electronics	Molex	395021002	Digi-Key	WM7770-ND
Connector nr 1		PA1	PCIX4	PCIx4_nr1	1					
Connector nr 2		PB1	PCIX4	PCIx4_nr2	1					
Connector nr 3		PC1	PCIX4	PCIx4_nr3	1					
10R	AC Series 1206 0.25 W 10 Ohm Â±1% Â±200 ppm/Â°C SMT Thick Film Chip Resistor	R1	RESC3116X65N	10R	1					
120R	Res Thick Film 1206 120 Ohm 1% 0.25W_1/4W_ Â±100ppm/ C Sulfur Resistant Molded SMD Automotive Paper T/R	R2	RESC3116X65N	120R	1					
10k	Resistor SMD 1206	R3, R4	RES_1206	RES_1206	2					
0 O	R 0 Ohm - RES 0 OHM JUMPER 1206, R 0 O - RES 0 OHM JUMPER 1206	R5, R6, R8, R9, R10, R11, R13, R14, R18, R19, R21, R22, R24, R25, R27, R28, R30, R31	R-0-OHM	WSL120600000ZEA9	18	https://datasheet.ciiva.com/11813/0900766b80d81e3e-11813109.pdf?src-supplier=Rs	Vishay	WSL120600000ZEA9	Digi-Key	541-3929-1-ND
100 kO	R 100 kO - RES SMD 100K OHM 0.05% 1/4W 1206	R7, R12, R15, R16, R17, R20, R23, R26, R29, R36	R-100-K-OHM	TNPU1206100KAZEN00	10	https://datasheet.ciiva.com/2623/tnpue3-2623802.pdf?src-supplier=Digi-Key	Vishay Dale	TNPU1206100KAZEN00	Digi-Key	TNPU100KACCT-ND
100 O	R 100 O - RES 100 OHM 0.1% 1/4W 1206	R32, R33, R34, R35, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47	R-100-OHM	TNPW1206100RBYEN	15	http://www.vishay.com/docs/28758/tnpw_e3.pdf?src-supplier=Avnet	Vishay Dale	TNPW1206100RBYEN	Digi-Key	541-9836-2-ND
TP-GND	TP GND - PC TEST POINT, BLUE, SMT	TP-GND1, TP-GND2, TP-GND3	TP-GND	AC0201FR-0733R2L	3	http://www.yageo.com/NewPortal/yageodocoutput?fileName=/pdf/R-Chip/PYu-AC_51_RoHS_L_6.pdf&src-supplier=Digi-Key	Yageo	AC0201FR-0733R2L	Digi-Key	YAG5197CT-ND
SN65HVD230DR_1	3.3 V CAN Transceiver with Standby Mode	U1	SOIC127P599X175-8N	SN65HVD230DR_1	1					
Temp sensor	STTS75 Series 5.5 V 10 mA Digital Temperature Sensor and Thermal Watchdog	U2	SOP127P600X175-8M	STTS75M2F	1	https://datasheet.ciiva.com/15098/getdatasheetpartid-130266-15098245.pdf?src-supplier=Verical	STMicroelectronics	STTS75M2F	Digi-Key	497-6178-1-ND
IC-Buffer	IC Buffer PWM V3 - IC BUFFER NON-INVERT 6V 20TSSOP	U3	IC-BUFFER-V3	SN74HC541PW	1	https://datasheet.ciiva.com/14301/sn74hc541-14301057.pdf?src-supplier=Avnet	Texas Instruments	SN74HC541PW	Digi-Key	296-26482-5-ND
IC-Register	IC Register for 7SegmentDisplay - IC REGISTER W/LATCH 8BIT 16TSSOP	U4, U5	IC-REGISTER	MM74HC595MTC	2	https://datasheet.ciiva.com/1632/mm74hc595-1632144.pdf?src-supplier=Newark	ON Semiconductor / Fairchild	MM74HC595MTC	Digi-Key	MM74HC595MTCFS-ND
7-segment-display	7 SegmentD - DISPLAY 7SEG 0.56" SGL BLU 10SMD	U6, U7	7-SEG-DISP	ACSC56-41QBWA/D-F01	2	https://datasheet.ciiva.com/2105/acsc56-41qbwa-d-f01-2105097.pdf?src-supplier=Digi-Key	Kingbright	ACSC56-41QBWA/D-F01	Digi-Key	754-2233-1-ND