Designator	Quantity	DESC	FP	MPN	MANUFRP	VOTE	BUP	SUPREF	TOL	Value1	Value2
C1, C3, C4, C5, C8, C11, C12, C14, C16	9	Multilayer Ceramic Capacitors MLCC - SMD/SMT0603 Surf Mounts *Classe Voltage/Temp	0603	Murata Electronics	GRM188R60J475ME47D	-	Mouser	581-GRM188R60J475ME47D	20%	10uF	6V
C2, C6, C7, C9, C10, C13, C15, C17, C18, C19, C20, C21, C22, C23	20	CD0603-Z5U104Z6WP 0603C - Condensateur céramique multicouche CMS, 0603, 10nF, 6.3V, 0603 [1608 Metric], +80%, -20%, 10%	0603	VISHAY	VJ0603Y104ZXWP0603C	-	Farnell	2066438	+80% -20%	100nF	10V
C31, C32, C37	3	Multilayer Ceramic Capacitors MLCC - SMD/SMT0603 SMT 0603 0.1uF 10V X5R	0603	Murata Electronics	GRM188C71C475KE11D	-	Mouser	81-GRM188C71C475KE11D	10%	4.7uF	16V
C34, C35, C36, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64	30	CD0603G104BRPNC TU - Condensateur céramique multicouche CMS, 0.1 µF, 10 V, 0603 [1608 Metric], ± 10%, X7R	0603	KEMET	CD0603G104BRPNCTU	-	Farnell	2353037	10%	100nF	10V
C50, C54, C55, C56, C57, C58	6	0402C5C104JP7R-Condensateur céramique multicouche CMS, 0402 MC, 1 µF, ±5%, ±5%, 16V, 0402 [1005 Metric]	0603	MULTICOMP	MC0402F105J5160 C2	-	Farnell	1756438	+80% -20%	1uF	16V
C51, C52, C57, C58, C59	5	0603C103JA7DA-Condensateur céramique multicouche CMS, 10000pF, 50V, 0603 [1608 Metric], ±5%, X7R	0603	MULTICOMP	0603C103JA7DA	-	Farnell	1693871	5%	10nF	50V
C56	1	MCT01V106M4R8 CT - Condensateur céramique multicouche CMS, 10µF, 6.3V, 0805 [2012 Metric], ± 20%, X5R, Série MCT	0805	MULTICOMP	MCT01V106M4R8CT	-	Farnell	1756676	20%	10uF	6V3
D1, D8, D9	3	Rectifiers 1.0A 1000V	SOD-114AC	ON Semiconductor / Fairchild	1N4	-	Mouser	512-1N4	-	1A	1000V
D2	1	ESD Suppressors / TVS Diodes TVS - Transient Voltage Suppressors	SOT-143	Littelfuse	SP0503BAWTG	-	Mouser	576-SP0503BAWTG	-	5.5V	3kpF
D3, D4, D5, D6, D7	5	Rectifiers 1A, 2A SOAD7BC	SOD-123-2	ON Semiconductor / Fairchild	1N4FL	-	Mouser	512-1N4FL	-	1A	1KV
D10, D11, D12, D13	4	Rectifiers MICTRONDIODE 1N5402/UL7	1N2047	Bourns	CD1408-FU1200	-	Mouser	652-CD1408-FU1200	-	1A	200V
J1, J2, J3, J4, J5, J6, J10	7	Headers & Wire Housings 10P 2 ROWS-RADSRLP	THT	TE Connectivity	5-103308-3	-	Mouser	571-5103308-3	-	10pin	2.54mm
J7, J8, J9, J11, J12, J13	6	Pluggable Terminal Blocks Header Block, pluggable, 5.08, receptacle, 2 pole, blue	THT	CLEDraCom	MPT05/2F/5.08-G08E 08910-0102	-	Mouser	200-TBP0120-508-G08E	-	2pin	5.08mm
J2	1	Headers & Wire Housings 3.5-SMM 12WEB HDR SP 20 AWG TIN	THT	Molex	90136-1103	-	Mouser	538-90136-1103	-	3pin	3.54 mm
J4, J10	2	Headers & Wire Housings 6CT-HDR SP ABRT BLUE CONTRO	THT	TE Connectivity	2-1761603-1	-	Mouser	571-2-1761603-1	-	6pin	2.54mm
J7	1	CBF2Connectors Header, Wire to Board, Mini Mod SFTACK	THT	Molex	532237-0517	-	Mouser	538-532237-0517	-	-	-
J11	1	Industrial Ingénierie de Connexion Connecteurs Hdr SP Dual 36 Cont	THT	Murr Elektronik	8100062121	-	Mouser	710-8100062121	-	6pin	-
K1, K2, K3, K4, K5	5	Relais 1NO SPST	THT	HONGFA RELAY	HF-89F/24-H1LTF	-	ASCO Kelvin	HF-89F/24-H1LTF	-	5A	24VDC
L1	1	0120/0750T-C - Perle de ferrite, 120Ω/210Ω 100MHz], 750mOhm, 3 A, 0.08 ohm, ± 25%	1206	KNAPHETE	0120/0750T-C	-	Farnell	2452083	25%	750Ohm	0R64
Q1	1	Bipolar Transistors - BJT Silicon Sat Transistor	SOT-23	Diodes Incorporated	BC817-40Q7-F	-	Mouser	621-BC817-40Q7-F	-	0.5A	45V
R1	1	Thick Film Resistors - SMD 22 ohm±5%,50ppm 0.25w,AEC-Q200	0603	Panasonic	ERA-3AED221V	-	Mouser	667-ERA-3AED221V	0.5%	22.1k	0.1W
R4	1	Thick Film Resistors - SMD 1.5%5ppm 0.25w,AEC-Q200	0603	Vishay / Dale	CRCW06034K75FKEA	-	Mouser	71-CRCW06034K75FKEA	1%	47.5k	0.1W
R5, R6	2	Resistors - SMD 1/10W0603	0603	YAGEO	RC0603FR-07270RL	-	Mouser	603-RC0603FR-07270RL	1%	270R	0.1W
R8, R13, R65, R67, R68	5	Thick Film Resistors - SMD 1/10W0603	0603	TE Connectivity / Neohm	CPF0603F5K0C1	-	Mouser	279-CPF0603F5K0C1	1%	5K	0.625W
R9, R7	2	Thick Film Resistors - SMD 1/8W 0805 ohm 1%50ppm	0603	Vishay / Beyschlag	MCT06030Z0000ZP500	-	Mouser	660-MCT06030Z0000ZP500	-	0R	0.125W
R9, R48, R63, R61, R62	5	YAGEO (Formerly PHYCOMP) RC0603FR-07130KL RC0603FR-07130KL RT0402-MB0BR0100 100Ω 1%VJF1%	0603	YAGEO	RC0603FR-07130KL	-	Farnell	9238603	1%	130K	0.1W
R9	1	Resistance Aquare Thick Film Resistors, 100 ohm, ± 1%, 100mW, 0402[1005 Metric], Couche épaisse	0603	MULTICOMP PRO	MCWR04X0100FTL	-	Farnell	2447335	1%	100R	0.1W
R10	1	Thinner Resistors - Through-hole 1/2W Vertical Sealed 5W5R0 ABJ8	THT	Bourns	3296W-1-502ALF	-	Mouser	652-3296W-1-502ALF	10%	5K	0.5W
R11, R12, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45	35	Thin Film Resistors - SMD 0402 1/16Ohm 0402W1WPM	0603	TE Connectivity	CPF0402B5K0E1	-	Mouser	279-CPF0402B5K0E1	0.1 %	5K	0.625W
S1	1	Communication Switch, Table Fâ€BâŒA, A Sélectrheur supérieur, Montagnon surface, Mouton 1U4	-	ALCOSWITCH - TE CONNECTIVITY	FB4UB8A	-	Farnell	1801335	-	-	-
U1	1	Linear Voltage Regulators 5.0V 1.5A Positive	SJPAK	STMicroelectronics	L7812CD2T-TR	-	Mouser	511-L7812CD2T-TR	-	12V	1.5A
U7	1	Linear Voltage Regulators 5.0V 1.5A Positive	SJPAK	STMicroelectronics	L7805CD2T-TR	-	Mouser	511-L7805CD2T-TR	-	5V	1.5A
U9	1	Linear Voltage Regulators 9.0V Regulators 0.45V 1.5A 5V,9V,12V	SJPAK	STMicroelectronics	LF33CD2T-TR	-	Mouser	511-LF33CD2T-TR	-	3V3	1A
U4	1	Analog Temperature Sensors	SOIC-16	Texas Instruments	LM10CIWM	-	Mouser	595-LM10CIWM	-	-	-
U5	1	Circuit Integrâ€ Interface USB 2.0Bitperse USB to UART/Bridge 24Pin	QFN-24	SILICON LABS	CP2102N-A02-GQFN24	-	Mouser	336-CP2102N-A02-GQFN24	-	-	-
U6	1	32Bit Microcontrollers - MCU 32-bit ARM Cortex-M4 72MHz 512kFLASH,1MFRU	LQFP-100	STMicroelectronics	STM32F373VBT6	-	Mouser	511-STM32F373VBT6	-	-	-
U7	1	Linear Voltage Regulators 3-TERMINAL ADJ 1A	SOT-223-4	Texas Instruments	LM317MDCYNCPR	-	Mouser	595-LM317MDCYNCPR	1.2V to 37V	1A	-
U8	1	Operational Amplifiers - Op Amps Single Low-Voltage, Cost-Optimized Rail-to-Rail Output Operational Amplifier 5-SC70-5	SC-70-5	Texas Instruments	LMV321AIDCKR	-	Mouser	595-LMV321AIDCKR	-	-	-
U9	1	Voltage References 12-ppm/°C low-noise low-power precision voltage reference	SOT-23-5	Texas Instruments	REF5123AIDBVR	-	Mouser	595-REF5123AIDBVR	0.05 %	2.5 V	-
U10, U13	2	Controller - Analogue - 2 Channel, SPDT, 5-Ohm, 3V to 5.5V, TSSOP, 48 Bins(Reel)	SOP-48	DICKEE INC	PI3L3510HEX	-	Farnell	2583212	-	-	-
U11, U12, U14, U15	4	Operational Amplifiers - Op Amps 4-Channel, 10MHz, RRO, 1.8V to 5.5V Operational Amplifier for Cost-Optimized Systems 14-TSSOP-48 to 125	TSSOP-14	Texas Instruments	TLV9004PWR	-	Mouser	595-TLV9004PWR	-	-	-
U16	1	Voltage References Automotive 20-ppm/°C (max), 100-µA, 2-pin shunt voltage reference 3-SOT-23 -40 to 125	SOT-23-3	Texas Instruments	REF3130AQDBZRQ1	-	Mouser	595-REF3130AQDBZRQ1	0.2 %	3V	-