



Component	Description	Designator	Footprint	Mount	Quantity
Push button		B1, B2	SW_1502-66-95-BK- 260-LCR-D	Push button	2
AI-1223-TWT-12V-R	ELECTRO- MECHANICAL AUDIO INDICATOR	Bz1	KDCR_AI-1223-TWT- 12V-R	Buzzer	1
100uf	F5-A	C1	CAPPR850W50L5070 H1100	Electrolytic capacitor	1
10uf	F5-A	C2	CAPPR850W50L50500 H1100	Electrolytic capacitor	1
100df	2200 pF A±10% .250V Ceramic Capacitor KTR Radial	C3	CAPR850W50L50703 00H550	Ceramic capacitor	1
22pf	2200 pF A±10% .250V Ceramic Capacitor KTR Radial	CA C5	CAPR850W50L50703 00H550	Ceramic capacitor	2
1N4007	Diode Switching 1kV IA 2-Pin DO-41	D1	DIAD01060W8H5200 Z70	1N4007	1
L08E5000C1	LED, Orange, Through Hole, 1.1 x 1.4 (Dim), 30mA, 2.1 V, 635 nm	D2, D4	LEDRD254WS700DH1 070	LED	2
TBBlock 2	2 Position Wire to Board Terminal Block Horizontal with Board 0.197 x 3.0mm, Through Hole	J1, J3	691111710002	Terminal Block - 2Pins	2
Header 4	4 Position Header Connector Through Hole	J2	SULLINS_PP704DL1F8 N-KC	Female header - 4Pins	1
TBBlock 4	4 Position Header 2415 x 5.08 mm Horizontal Entry Modular w. Rising Cap Clamp->br>- - - - KIND PROPERTIES / - - - - Pitch 5.08 mm - - - - - MATERIAL PROPERTIES - - - - - Insulator Material PA66 - - - - - Insulator Flammability Rating UL94 V-0 - - - - - Terminal Screw Material Steel - - - - - Terminal Screw Plating Zinc - - - - - Wire Guard Material Copper Alloy - - - - - GENERAL INFORMATION - - - - - Operating Temperature -30 up to +135 degC	J4	691241510004	Terminal block - 4Pins	1
Header 12	Header, 12 Pin	P1	HBR1X12	Header 12	1
Rk	(MFR: 25FRBF52-10Q) 10.2kOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R1, R8	RESAD1100W55L6800 260	Resistor (0.25W)	2
10k	(MFR: 25FRBF52-10Q) 10.2kOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R2, R5	RESAD1100W55L6800 260	Resistor (0.25W)	2
Rk	0.300F ± 10%1 MOHms 0.1W, 1/5W PC Pins Through Hole Trimmer Potentiometer Cormet 1 Turn Top Adjustment	R3	TRIM_3352F - 1 254Jf	Potentiometer 1	1
100	(MFR: 25FRBF52-10Q) 10.2kOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R4	RESAD1100W55L6800 260	Resistor (0.25W)	1
10k	RESISTOR, VARIABLE, 25KOHM, 0.5W, A±20%, Track Resistance 25kohms: No. of Turns:1 Resistance Tolerance:A± 20%: Temperature Coefficient:A± 10ppm/A°C Power Rating 500mW: Potentiometer Mounting Through Hole: RoHS Compliant: Yes	R6	TRIM_3352F - 1 254Jf	Variable resistor	1
0.2	(MFR: 25FRBF52-10Q) 10.2kOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R7	RESAD1100W55L6800 260	Resistor (0.25W)	1
240	(MFR: 25FRBF52-10Q) 10.2kOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R9	RESAD1100W55L6800 260	Resistor (0.25W)	1
2k4	(MFR: 25FRBF52-10Q) 10.2kOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R10	RESAD1100W55L6800 260	Resistor (0.25W)	1
UM7805		U1	TO259P1020K450HT9E B-3	UM78_	1
ATMegaGA328P-PJ	Atmega Series Mcu 32 KB Flash 2 KIB SRAM 8 KIB Microcontroller - DIP- 28	U2	DIP 794W46P254L2963 H457G228B	ATMegaGA328P-PJ	1
UMJ17		U3	TO259P1020K450HT9E B-3	UMJ17_	1
A4988	Stepper motor controller IC: A4988. 16, 16u, mt -88.35V	U4	MODULE_A4988_STEPER_MOTOR_DRIVER_CARRIER	A4988 STEPPER MOT OR DRIVER_CARRIER	1
LM386	CRYSTAL T/H	V1	KTAL_EC5-140-20-4K	Crystal oscillator	1