

Component reference list (grouped) Source Data From			Part Number		Manufacturer		Contact		Generated by		
Project Variant			Part Name		Manufacturer		Contact		Generated by		
Report Date: Print Date:			14-02-2025 14-Feb-20		13:30 13:30 PM		FERNEX		www.fernex.aedirect.com		
ID	Part Number	Part Name	Part Description	Manufacturer	Manufacturer Part Number	Contact Person	Supplier	Supplier Part Number			
1	C1, C2	2	EEZ-ISA01WR Microprocessor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	Parasonic	EEZ-ISA01WR	Kafali	DigKey	PC2580CT-ND			
2	C3, C4, C13, C18	4	C80BC030MGACTU (2) Microprocessor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	Parasonic	C80BC030MGACTU	Kafali	DigKey	996- C80BC030MGACTU-ND			
3	C5, C7, C8, C9, C11, C12, C13, C14, C15, C16, C17, C19, C20, C21, C22, C23, C24	19	080F Microprocessor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	C3012XTR10080FAS	Kafali	DigKey	405-7336-1-ND			
4	C1, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24	7	080F Microprocessor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	C3012XTR10080FAS	Kafali	DigKey	405-7340-1-ND			
5	C9	1	140F-20V Capacitor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	C3012XTR100140FAS	Kafali	DigKey	405-6493-1-ND			
6	D1, D2	2	080F Microprocessor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	TELM0080G-ND	Kafali	DigKey	TELM0080G-ND			
7	D3	1	Green_LED LED 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	K2C080G-00V	Kafali	DigKey	1407-NK080G-00V-ND			
8	D4	1	080F Microprocessor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	TELM0080G-ND	Kafali	DigKey	TELM0080G-ND			
9	D5, D6	2	BAT70HTT Transistor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	BAT70HTT	Kafali	DigKey	BAT70HTT-ND			
10	F1, F2, F3	3	MPF2301A010A300 Microprocessor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	MPF2301A010A300	Kafali	DigKey	MPF2301A010A300-ND			
11	F4	1	00110105-080FSL Microprocessor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	00110105-080FSL	Kafali	DigKey	00110105-080FSL-ND			
12	F5, F6	2	67907-1008F-2 Microprocessor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	67907-1008F-2	Kafali	DigKey	67907-1008F-2-ND			
13	F7	1	HEW_Mult_1rd Microprocessor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	HEW_Mult_1rd	Kafali	DigKey	HEW_Mult_1rd-ND			
14	F8, F17	2	HEW_Mult_1rd_080FSL Microprocessor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	HEW_Mult_1rd_080FSL	Kafali	DigKey	HEW_Mult_1rd_080FSL-ND			
15	F9	1	HEW_Funk_1rd_2.5mm Microprocessor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	HEW_Funk_1rd_2.5mm	Kafali	DigKey	HEW_Funk_1rd_2.5mm-ND			
16	F11, F12	2	M20-762060 Microprocessor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	M20-762060	Kafali	DigKey	M20-762060-ND			
17	L1	1	2.2uH Inductor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	2.2uH	Kafali	DigKey	2.2uH-ND			
18	R1, R2, R14, R17, R23	5	50kOhm, 50R Resistor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	50kOhm, 50R	Kafali	DigKey	50kOhm, 50R-ND			
19	R3	1	10K Ohm Resistor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	10K Ohm	Kafali	DigKey	10K Ohm-ND			
20	R4, R14, R21, R22, R23, R24	6	10K Resistor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	10K	Kafali	DigKey	10K-ND			
21	R1, R14	2	1M Resistor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	1M	Kafali	DigKey	1M-ND			
22	R6, R9, R10, R11, R23, R26, R27	7	RC100HP-07220L, 220uH Resistor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	RC100HP-07220L, 220uH	Kafali	DigKey	RC100HP-07220L, 220uH-ND			
23	R7	1	0R Resistor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	0R	Kafali	DigKey	0R-ND			
24	R11, R12	2	1K Resistor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	1K	Kafali	DigKey	1K-ND			
25	R13	1	1K Resistor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	1K	Kafali	DigKey	1K-ND			
26	SC17P-F01	1	SC17P_F001 Resistor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	SC17P_F001	Kafali	DigKey	SC17P_F001-ND			
27	SW1, SW2	2	120V10-0 Switch 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	120V10-0	Kafali	DigKey	120V10-0-ND			
28	U1	1	AT9601PFC-01R Microprocessor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	AT9601PFC-01R	Kafali	DigKey	AT9601PFC-01R-ND			
29	U2	1	296-24534-1-ND Resistor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	296-24534-1-ND	Kafali	DigKey	296-24534-1-ND			
30	U3, U4, U5, U7	4	50TAK60G080BVR Microprocessor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	50TAK60G080BVR	Kafali	DigKey	296-20203-1-ND			
31	U4	1	AT9601A-01R Microprocessor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	AT9601A-01R	Kafali	DigKey	AT9601A-01R-ND			
32	Y1	1	ARM7-0.00000000-02V-T Microprocessor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	ARM7-0.00000000-02V-T	Kafali	DigKey	515-00013-1-ND			
33	Y2	1	ARM7-10.00000000-02V-T Microprocessor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	ARM7-10.00000000-02V-T	Kafali	DigKey	515-00013-1-ND			
34	Z1, Z2	2	CY9003ME-C-05E Microprocessor 100-pin, 10V, 20MHz, 1000000000 Hz Ball Grid Array - 100-pin	TEK	CY9003ME-C-05E	Kafali	DigKey	CY9003ME-C-05E-ND			
Approved				Notes							