



Bill of Material ART18 v1 PC Board

Items	Quantity	Schematic Reference	Description
1	2	C2,C1	Capacitor 10uF 10% 16v Tantale low ESR SMT 1210
2	6	C3,C42,C68,C94,C120,C146	Capacitor 4.7uF 6,3v 20% X5R SMT 0603
3	94	C4,C6,C10,C11,C14,C15,C16,C17,C18,C19,C20,C27,C28,C29,C31,C33,C35,C36,C37,C39,C41,C43,C45,C47,C48,C49,C50,C52,C54,C55,C57,C59,C61,C62,C63,C65,C67,C69,C71,C73,C74,C75,C76,C78,C80,C81,C83,C85,C87,C88,C89,C91,C93,C95,C97,C99,C100,C101,C102,C104,C106,C107,C109,C111,C113,C114,C115,C117,C119,C121,C123,C125,C126,C127,C128,C130,C132,C133,C135,C137,C139,C140,C141,C143,C145,C147,C149,C151,C152,C153,C154,C156,C158,C160	Capacitor 0.1uF 10v 10% X7R SMT 0603
4	2	C7,C8	Capacitor 33pF 25v 10% NPO SMT 0603
5	19	C9,C12,C13,C21,C44,C51,C53,C70,C77,C79,C96,C103,C105,C122,C129,C131,C148,C155,C157	Capacitor 1.0uF 16v 10% X5R SMT 0603

6	20	C30,C32,C34,C46,C56,C58, C60,C72,C82,C84,C86,C98, C108,C110,C112,C124,C134, C136,C138,C150	Capacitor 100uF 6,3v Low ESR 20% Aluminium Radial SMT 5x5,8
7	10	C38,C40,C64,C66,C90,C92, C116,C118,C142,C144	Capacitor 18pF 25v 10% NPO SMT 0603
8	18	J7,J8,J9,J10,J11,J12,J13, J14,J15,J16,J17,J18,J19, J20,J21,J22,J23,J24	USB Connector B vertical HIROSE UX20-MB-5P
9	1	JP1	Molex SDA-41792-0004
11	1	J0	USB Connector 5 pins Mini B Receptacle SMT
12	1	J6	USB Connector 4 pins A Receptacle
14	2	R1,R2	Resistor 330 ohms 5% 1/16W SMT 0603
15	31	R4,R37,R38,R42,R46,R51, R52,R73,R74,R78,R82,R87, R88,R109,R110,R114,R118, R123,R124,R145,R146,R150, R154,R159,R160,R181,R182, R186,R190,R195,R196	Resistor 100K 5% 1/16W SMT 0603
16	6	R6,R58,R94,R130,R166, R202	Resistor 1M 5% 1/16W SMT 0603
17	6	R7,R56,R92,R128,R164, R200	Resistor 12.0K 1% 1/16W SMT 0603

18	53	R8,R9,R10,R11,R13,R14, R15,R19,R20,R22,R23,R24, R25,R30,R31,R36,R40,R41, R53,R54,R55,R66,R67,R72, R76,R77,R89,R90,R91,R102, R103,R108,R112,R113,R125, R126,R127,R138,R139,R144, R148,R149,R161,R162,R163, R174,R175,R180,R184,R185, R197,R198,R199	Resistor 10K 5% 1/16W SMT 0603
20	1	U1	Voltage regulator 3,3v LT1086 SMT TO-263
21	1	U3	USB Hub Controler USB2517 SMT QFN64 9x9
22	10	U8,U10,U12,U14,U16,U18, U20,U22,U24,U26	Power Switch MIC2026-1 SMT SO8
23	5	U9,U13,U17,U21,U25	USB Hub Controler USB2514B SMT QFN36 6x6
25	6	Y1,Y2,Y3,Y4,Y5,Y6	Crystal 24.000MHz 50ppm 18pf HC-49US