

HUM-195 Main PCB BOM		
Spare Parts No.	Spare Parts Name	Quantity
R201,R204,R207,R208	Resistor 0603 (SMD) 10Ω	4
R29	Resistor 0603 (SMD) 22Ω	1
R1,R105,R119	Resistor 0603 (SMD) 47Ω	3
R202,R33	Resistor 0603 (SMD) 100Ω	2
R107,R112	Resistor 0603 (SMD) 220Ω	2
R2,R5	Resistor 0603 (SMD) 470Ω	2
R101,R102,R103,R104,R108,R111,R209,R8	Resistor 0603 (SMD) 1KΩ	8
R24	Resistor 0603 (SMD) 3.3KΩ	1
R106,R206,R36,R7	Resistor 0603 (SMD) 4.7KΩ	4
R205	Resistor 0603 (SMD) 6.8KΩ	1
R11,R26,R27	Resistor 0603 (SMD) 10KΩ	3
R12	Resistor 0603 (SMD) 12KΩ	1
R4	Resistor 0603 (SMD) 15KΩ	1
R203,R210,R30,R31,R32	Resistor 0603 (SMD) 22KΩ	5
R521	Resistor 0603 (SMD) 47KΩ	1
R10,R28	Resistor 0603 (SMD) 1KΩ	2
R110	Resistor 0603 (SMD) 100KΩ	1
R25	Resistor 0603 (SMD) 2.7KΩ	1
R23	Resistor 0603 (SMD) 270Ω	1
R113	Resistor 0402 (SMD) 100KΩ	1
R115,R117	Resistor 0402 (SMD) 2.2KΩ	2
R114,R116,R121	Resistor 0402 (SMD) 4.7.KΩ	3
R118	Resistor 0402 (SMD) 470Ω	1
C110,C22,C4	Tantalum Solid Electrolytic Capacitor 3216 (SMD) 0.47uF/16V	3
C11,C16,C17,C18,C19,C20,C23	Tantalum Solid Electrolytic Capacitor 3216 (SMD) 1uF/16V	7
C118	Tantalum Solid Electrolytic Capacitor 3216 (SMD) 2.2uF/16V	1
C2,C5	Tantalum Solid Electrolytic Capacitor 3216 (SMD) 4.7uF/16V	2
C10,C107,C134,C14,C15,C219,C26,C6,C138,C141,C142,C145	Tantalum Solid Electrolytic Capacitor 3216 (SMD) 10uF/16V	12
C111,C112,C12	Tantalum Solid Electrolytic Capacitor 3216 (SMD) 15uF/6.3V	3
C113	Tantalum Solid Electrolytic Capacitor 3216 (SMD) 0.1uF/35V	1
C129,C201,C204	Multilayer Ceramic Capacitor (SMD) (NPO) 0603 10P	3
C8	Multilayer Ceramic Capacitor (SMD) (NPO) 0603 22P	1
C1,C101,C102,C103,C117,C3	Multilayer Ceramic Capacitor (SMD) (NPO) 0603 100P	6
C212,C216	Multilayer Ceramic Capacitor (SMD) (NPO) 0603 3.3P	2
C207	Multilayer Ceramic Capacitor (SMD) (NPO) 0603 4.7P	1
C213,C215	Multilayer Ceramic Capacitor (SMD) (NPO) 0603 5.6P	2
C104,C105,C210,C218,C511	Multilayer Ceramic Capacitor (SMD) (X7R) 0603 1N	5
C224,C109,C202,C203,C205,C208,C209,C220,C221,C222,C223,C225	Multilayer Ceramic Capacitor (SMD) (X7R) 0603 10N	12
C108,C24,C143,C144	Multilayer Ceramic Capacitor (SMD) (X7R) 0603 100N	4
C137,C139,C140	Multilayer Ceramic Capacitor (SMD) (X7R) 0603 22N	3
C123,C214	Multilayer Ceramic Capacitor (SMD) (NPO) 0603 1P	2
C206,C211	Multilayer Ceramic Capacitor (SMD) (NPO) 0603 3.9P	2
C106	Multilayer Ceramic Capacitor (SMD) (NPO) 0603 47P	1
C115,C116	Multilayer Ceramic Capacitor (SMD) (NPO) 0603 180P	2
C21	Multilayer Ceramic Capacitor (SMD) (NPO) 0603 220P	1
C9	Multilayer Ceramic Capacitor (SMD) (X7R) 0603 33N	1
C13	Multilayer Ceramic Capacitor (SMD) (X7R) 0603 27N	1
C136	Multilayer Ceramic Capacitor (SMD) (NPO) 0603 20P	1
C130,C131	Multilayer Ceramic Capacitor (SMD) (X7R) 0402 10N	2
C128	Multilayer Ceramic Capacitor (SMD) (X5R) 0402 100N	1
C124	Multilayer Ceramic Capacitor (SMD) (NPO) 0402 3.3P	1
C125	Multilayer Ceramic Capacitor (SMD) (NPO) 0402 3.9P	1
C127	Multilayer Ceramic Capacitor (SMD) (NPO) 0402 10P	1

Spare Parts No.	Spare Parts Name	Quantity
C122	Multilayer Ceramic Capacitor (SMD) (NPO) 0402 12P	1
C114,C119,C126	Multilayer Ceramic Capacitor (SMD) (NPO) 0402 100P	3
C120,C121	Multilayer Ceramic Capacitor (SMD) (NPO) 0402 1P	2
U101	IC (SMD) E03SL	1
U2	IC (SMD) 575DK	1
U103	IC (SMD) 4B91	1
U102	IC (SMD) 12ZR	1
U1	IC (SMD) 4580	1
Q204	Transistor (SMD) 2SC2412	1
Q201,Q202,Q203	Transistor (SMD) BFG520/X	3
Q205,Q501	Transistor (SMD) 2SC2412	2
Q101	Transistor (SMD) uPA802T	1
SVC1,SVC2	Variable Diode (SMD) T8	2
D1,D201	Diode (SMD) DA204U	2
L203,L206,L207,L208,L209	Chip Inductor (SMD) 8.2nH (LQG11A8N2J00)	5
L103,L104,L201,L202,L204,L205,L211	Chip Inductor (SMD) 22nH (LQG11A22NJ00)	7
L107	Chip Inductor (SMD) 12nH (LQG11A12NJ00)	1
L101	Chip Inductor (SMD) 100nH (LQG11AR10J00)	1
L210	Chip Inductor (SMD) 82nH (LQG11A82NJ00)	1
L102	Chip Inductor (SMD) 4.7nH (LQG11A4N7J00)	1
L105	Chip Inductor (SMD) 5.6nH (WGA0805R5N6)	1
X101	Crystal 4MHz CRYSTAL HC-49/USMD SMD	1
VR1	AjustableResistor (SMD) 50K ST-4TB	1
VR2	AjustableResistor (SMD) 10K RVG3S08-103VM	1
VC101,VC102	AjustableCapacitor (SMD) 20P (TC-13C200C)	2
M1	MH-950 shield	1
M2	US-8000 shield	1
ANT	PT-950B ANT	1
JP1	4PIN Connector WH1-0040-0428 90 ° 1.25mm	1
CON101	Board to Board Connector Y06-00100-1027(10Pin)	1

HUM-195 Ctrl PCB BOM

Spare Parts No.	Spare Parts Name	Quantity
R507	Resistor 0603 (SMD) 22 Ω	1
R506	Resistor 0603 (SMD) 47 Ω	1
R508,R510,R511,R512	Resistor 0603 (SMD) 100 Ω	4
R305	Resistor 0603 (SMD) 1K Ω	1
R307,R321	Resistor 0603 (SMD) 4.7K Ω	2
R308,R309	Resistor 0603 (SMD) 6.8K Ω	2
R310,R311,R312,R401,R405,R406,R407,R408,R513,R514	Resistor 0603 (SMD) 10K Ω	10
R515	Resistor 0603 (SMD) 15K Ω	1
R314,R315,R316,R317,R320	Resistor 0603 (SMD) 22K Ω	5
R501	Resistor 0603 (SMD) 27K Ω	1
R412,R402	Resistor 0603 (SMD) 33K Ω	2
R502,R503,R504,R505	Resistor 0603 (SMD) 47K Ω	4
R301,R302,R303,R304,R313,R409,R410,R411,R413	Resistor 0603 (SMD) 100K Ω	9
R306	Resistor 0603 (SMD) 1M Ω	1
R318	Resistor 0603 (SMD) 3.9K Ω	1
R319	Resistor 0603 (SMD) 11K Ω	1
C403,C410	Tantalum Solid Electrolytic Capacitor 7343 (SMD) 100 μ F/10V	2
C306,C510	Tantalum Solid Electrolytic Capacitor 3216 (SMD) 1uF/16V	2
C406	Tantalum Solid Electrolytic Capacitor 3216 (SMD) 4.7uF/16V	1
C307,C402,C504	Tantalum Solid Electrolytic Capacitor 3216 (SMD) 10uF/10V	3
C509	Multilayer Ceramic Capacitor (SMD) (NPO) 0603 22P	1
C301	Multilayer Ceramic Capacitor (SMD) (NPO) 0603 4.7P	1
C302,C508	Multilayer Ceramic Capacitor (SMD) (NPO) 0603 1N	2
C305,C308,C309	Multilayer Ceramic Capacitor (SMD) (NPO) 0603 10N	3
C401,C409,C501,C502,C503,C505,C506,C507,C405	Multilayer Ceramic Capacitor (SMD) (NPO) 0603 100N	9
C304	Multilayer Ceramic Capacitor (SMD) (NPO) 0603 470P	1
C310	Multilayer Ceramic Capacitor (SMD) (NPO) 0603 120P	1
C303	Multilayer Ceramic Capacitor (SMD) (NPO) 0603 330P	1
C404	Tantalum Solid Electrolytic Capacitor 3528 (SMD) 47 μ F/10V	1
U301	IC (SMD) 2107	1
U403	IC (SMD) 1100MR	1
U401	IC (SMD) 1100MR	1
U502	IC (SMD) LC46	1
U503	IC (SMD) 1621A	1
U501	PT-950B MCU (SMD)	1
Q401	FET (SMD) 212U	1
Q404	Transistor (SMD) 2SC1774	1
Q301,Q302,Q303,Q304,Q305,Q306,Q307,Q308,Q403,Q402	Transistor (SMD) 2SC4617	10
Q405	FET (SMD) 1135	1
D403	Diode (SMD) RB160L-40-TE25	1
D401,D402	Diode (SMD) 0603 RB521S-30	2
L401,L402	Chip Inductor (SMD) 47uH (WTD0705-470M)	2
VR301	AjustableResistor (SMD) 10K RVG3S08-103VM	1
X301	Crystal 32.768KHZ (CFS-206+-20PPM)	1
CON501	Board to Board Connector Y07-00300-1027(10Pin)	1
LCD	LCD LCN0106C7GH	1
SW401	Switch (DS-1208) 3P , 3.3mm	1
SW501,SW502,SW503	TackSW	3