

Item	Quantity	Reference	Part
1	6	VCC1,GND1,TP2,TP3,TP5,+3V1	TestPoint
2	1	CN1	J0011D21BNL
3	5	C1,C2,C11,C19,C23	10uF_CASE_A
4	27	C3,C4,C5,C6,C7,C8,C9,C10,C12,C13,C16,C17,C20,C21,C22,C27,C28,C29,C41,C42,C43,C44,C45,C46,C55,C56,C57	100nF_0603
5	2	C14,C15	20pF_0603
6	2	C18,C24	6.8pF_0603
7	2	C25,C26	2.2uF_CASE_A
8	34	C30,C31,C34,C35,C36,C37,C38,C39,C48,C50,C52,C53,C59,C61,C72,C75,C76,C78,C83,C86,C89,C90,C94,C96,C100,C103,C104,C108,C110,C114,C117,C118,C122,C124	100nF_0805
9	2	C32,C33	22pF_0603
10	3	C40,C58,C60	10uF_CASED
11	2	C47,C49	10nF_0805
12	1	C51	10 uf_1210
13	1	C54	10uF_0805
14	8	C62,C65,C66,C67,C68,C69,C70,C71	10uF_1210
15	6	C63,C64,C128,C129,C130,C131	10uF_caseB
16	8	C73,C77,C87,C91,C101,C105,C115,C119	10uF_CASE_B
17	4	C74,C88,C102,C116	4nF_0805
18	8	C79,C84,C92,C95,C107,C109,C120,C125	22uF_1210
19	8	C80,C81,C97,C98,C111,C112,C121,C126	100n
20	4	C82,C93,C106,C123	0.1uF_0805
21	4	C85,C99,C113,C127	0.022uF_0805
22	16	D3,D4,D5,D6,D8,D9,D10,D11,D13,D14,D15,D16,D18,D19,D20,D21	BAV23S_SOT
23	4	D7,D12,D17,D22	SMAJ24CA
24	2	D1-1,D5-1	LED_0805
25	1	D27	552-0221F
26	1	FSM4JH1	CON4A
27	1	F1	MF-MSMF010-2

28	4	IC2,IC4,IC7,IC8	LM78L05_SOIC8
29	4	IC3,IC5,IC6,IC9	ADuM1401CRW
30	4	IOUT1,IOUT2,IOUT3,IOUT4	T POINT R
31	1	JP1	HEADER 3X2
32	4	J1,J3,J8,J9	HEADER 3
33	1	J2	PT65-103
34	1	J4	opt
35	3	J5,J11,J14	JUMPER
36	1	J6	CON3
37	1	J7	CONN BERG 8x2-P 2.54 mm
38	1	J10	5103310-5_TYCO
39	1	J12	D09S24A4GV00LF
40	1	J13	66200621022_WURTH
41	1	J15	MC 1.5/16-G-3.81
42	1	J16	1803277
43	4	L1,L2,L3,L4	BEAD_0805
44	4	L5,L6,L7,L8	600Z_0805
45	1	PS1	TDR_3-2411SM
46	4	Q1,Q2,Q3,Q4	2N3053_TO39
47	1	R1	47E_0603
48	18	R2,R3,R4,R5,R7,R8,R10,R11,R12,R13,R14,R47,R48,R49,R50,R52,R53,R54	10K_0603
49	1	R6	390E_0603
50	4	R9,R37,R45,R55	0E_0603
51	19	R15,R16,R17,R18,R21,R22,R23,R24,R25,R26,R27,R28,R29,R30,R31,R32,R33,R34,R35	51E_0603
52	2	R19,R20	240E_0805
53	7	R36,R38,R39,R40,R42,R43,R44	2.2K_0603
54	1	R41	1.5K_0603
55	1	R46	4.87K_0603
56	1	R51	NO_STUFF_0603
57	2	R56,R57	120E_0805
58	12	R58,R59,R60,R61,R62,R63,R64,R65,R79,R94,R109,R124	1K_0805
59	2	R66,R67	470E_0805
60	24	R68,R69,R70,R71,R72,R75,R83,R84,R85,R86,R87,R90,R98,R99,R100,R101,R102,R105,R113,R114,R115,R116,R117,R120	10K_0805
61	4	R73,R88,R103,R118	0E_0805
62	4	R74,R89,R104,R119	100E_0805
63	4	R76,R91,R106,R121	15K_0805
64	8	R77,R78,R92,R93,R107,R108,R122,R123	220R
65	12	R80,R81,R82,R95,R96,R97,R110,R111,R112,R125,R126,R127	100E_0603

66	1	TP1	TEST POINT
67	1	U1	STM32F407IGT6_QFP176
68	1	U2	STM1001_3P
69	1	U3	MAX6369_SOT23
70	1	U4	NC7ST32_SOT23
71	1	U5	DP83848CVV
72	1	U6	MAX3232_TSSOP16
73	1	U7	MB85RS256APNF_SOIC
74	1	U8	ADM2582E_SOIC
75	1	U9	74LVC4245A-Q100_TSSOP24
76	1	U10	74LV245_SOIC
77	1	U11	ADP3338AKCZ-3.3_SOT223
78	4	U12,U13,U14,U15	TDN_1-2422WISM
79	4	U16,U17,U18,U19	AD5422_TSSOP
80	4	U21,U22,U23,U24	ISO722DR
81	2	Y1,Y3	FOXSDLF/250F
82	1	Y2	ABS25-32.768KHZ-6-1-T

CPU Revised: Friday, June 10, 2022

ICPU Revision: 1.0

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Item	Quantity	Reference	Part
1	6	GND1,TP2,TP3,TP4,TP5,+3V1	TestPoint
2	1	BT1	CH004-2032LF
3	1	CN1	J0011D21BNL
4	5	C1,C2,C6,C16,C22	10uF_CASE_A
5	30	C3,C4,C5,C7,C8,C9,C10,C11,C12,C13,C17,C18,C19,C20,C21,C27,C28,C29,C41,C42,C43,C44,C45,C46,C51,C52,C53,C63,C64,C69	100nF_0603
6	2	C14,C15	20pF_0603
7	2	C23,C24	6.8pF_0603
8	2	C25,C26	2.2uF_CASE_A
9	16	C30,C31,C34,C35,C36,C37,C38,C39,C50,C56,C58,C60,C61,C66,C68,C151	100nF_0805
10	2	C32,C33	22pF_0603
11	3	C40,C65,C67	10uF_CASED
12	3	C47,C48,C49	0.47uF_0805
13	1	C54	10nF_1206
14	2	C55,C57	10nF_0805
15	1	C59	10 uf_1210
16	1	C62	10uF_0805
17	1	C131	0.22uF_0805
18	1	C132	10uF_CASE_B
19	1	C133	0.01uF_0805
20	3	C134,C149,C150	0.1uF_0805
21	1	C147	4.7uF_0805
22	1	C148	10uF_caseB
23	2	D1-1,D5-1	LED_0805
24	1	D10	552-0221F
25	1	FSM4JH1	CON4A
26	1	IC1	TEL5-2410
27	1	JP1	HEADER 3X2
28	5	J1,J3,J6,J8,J9	HEADER 3
29	1	J2	PT65-103-L508
30	1	J4	opt
31	3	J5,J12,J15	JUMPER
32	1	J7	SSW-112-01-G-D
33	3	J10,J13,J44	D09S24A4GV00LF
34	1	J11	5103310-5_TYCO
35	1	J14	66200621022_WURTH

36	1	J16	SSW-125-01-G-D
37	1	J17	DM3AT-SF-PEJM5
38	1	J18	1803277
39	1	J19	SSW-102-01-G-D
40	5	L1,L2,L3,L42,L43	BEAD_0805
41	1	R1	47E_0603
42	22	R2,R3,R4,R5,R7,R8,R10,R11,R12,R13,R14,R47,R48,R49,R50,R51,R52,R54,R55,R56,R75,R80	10K_0603
43	1	R6	390E_0603
44	8	R9,R37,R45,R57,R101,R102,R103,R104	0E_0603
45	19	R15,R16,R17,R18,R21,R22,R23,R24,R25,R26,R27,R28,R29,R30,R31,R32,R33,R34,R35	51E_0603
46	2	R19,R20	240E_0805
47	7	R36,R38,R39,R40,R42,R43,R44	2.2K_0603
48	1	R41	1.5K_0603
49	1	R46	4.87K_0603
50	1	R53	NO_STUFF_0603
51	2	R58,R59	120E_0805
52	10	R60,R61,R62,R63,R64,R65,R66,R67,R76,R79	1K_0805
53	6	R68,R69,R70,R71,R72,R74	47K_0603
54	1	R73	0E_0805
55	2	R99,R100	62E_0603
56	1	TP1	TEST POINT
57	1	U1	STM32F4071GT6_QFP176
58	1	U2	STM1001_3P
59	1	U3	MAX6369_SOT23
60	1	U4	NC7ST32_SOT23
61	1	U5	DP83848CVV
62	1	U6	MAX3232_TSSOP16
63	1	U7	MB85RS256APNF_SOIC
64	1	U8	MAX3250EAI
65	1	U9	ADM2582E_SOIC
66	2	U10,U17	MIC37100_SOT223
67	1	U11	74LV245_TSSOP
68	1	U12	DS3234_SOIC
69	1	U101	TRS 2-0910
70	2	Y1,Y3	FOXSDLF/250F
71	1	Y2	ABS25-32.768KHZ-6-1-T

CPU Revised: Tuesday, June 14, 2022

ICPU-S Revision: 1.0

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Item	Quantity	Reference	Part
1	8	VCC1,GND1,TP2,TP3,TP4,TP5,TP6,+3V1	TestPoint
2	1	BT1	CH004-2032LF
3	1	CN1	J0011D21BNL
4	5	C1,C2,C11,C17,C23	10uF_CASE_A
5	59	C3,C4,C5,C6,C7,C8,C9,C10,C12,C13,C18,C19,C20,C21,C22,C28,C29,C30,C42,C43,C44,C45,C46,C47,C52,C53,C54,C56,C65,C78,C79,C80,C81,C82,C83,C84,C85,C86,C87,C88,C89,C90,C91,C92,C93,C94,C95,C96,C97,C98,C99,C100,C101,C102,C103,C104,C105,C106,C107	100nF_0603
6	1	C14	FCS0H224ZFTBR24
7	2	C15,C16	20pF_0603
8	2	C24,C25	6.8pF_0603
9	2	C26,C27	2.2uF_CASE_A
10	29	C31,C32,C35,C36,C37,C38,C39,C40,C51,C58,C60,C62,C64,C66,C67,C68,C69,C70,C71,C72,C73,C74,C75,C76,C77,C109,C111,C113,C114	100nF_0805
11	2	C33,C34	22pF_0603
12	3	C41,C57,C61	10uF_CASED
13	3	C48,C49,C50	0.47uF_0805
14	1	C55	10nF_1206
15	2	C59,C63	10uF_CASEB
16	2	C108,C110	10nF_0805
17	1	C112	10 uf_1210
18	1	C115	10uF_0805
19	1	D1	BAR42_SOT23
20	4	D2,D3,D1-1,D5-1	LED_0805
21	1	FSM4JH1	CON4A
22	1	IC1	TEN8-2411WI
23	1	IC2	TEN8-2410WI
24	14	IC3,IC4,IC5,IC6,IC7,IC8,IC9,IC10,IC11,IC12,IC13,IC14,IC15,IC16	ADuM1400CRW
25	1	IC17	ADuM1401ARW
26	1	JP1	HEADER 3X2

27	4	J1,J3,J8,J9	HEADER 3
28	1	J2	PT65-103-L508
29	1	J4	opt
30	3	J5,J15,J17	JUMPER
31	1	J6	CONN_DSUB_FEMALE
32	1	J7	CONN BERG 8x2-P 2.54 mm
33	1	J10	CONN_DSUB_MALE
34	1	J11	5103310-5_TYCO
35	1	J12	5787170-5
36	1	J13	DM3AT-SF-PEJM5
37	1	J14	1803277
38	1	J16	CONN_DSUB 9-P FEMALE
39	5	L1,L2,L3,L4,L5	BEAD_0805
40	1	R1	47E_0603
41	1	R2	1K_1206
42	22	R3,R4,R5,R6,R8,R9,R11,R12,R13, R14,R15,R48,R49,R50,R51,R52,R 53,R55,R56,R57,R75,R76	10K_0603
43	1	R7	390E_0603
44	4	R10,R38,R46,R58	0E_0603
45	19	R16,R17,R18,R19,R22,R23,R24,R 25,R26,R27,R28,R29,R30,R31,R3 2,R33,R34,R35,R36	51E_0603
46	2	R20,R21	240E_0805
47	7	R37,R39,R40,R41,R43,R44,R45	2.2K_0603
48	1	R42	1.5K_0603
49	1	R47	4.87K_0603
50	1	R54	NO_STUFF_0603
51	9	R59,R60,R61,R62,R63,R64,R65,R 66,R74	1K_0805
52	5	R67,R68,R69,R70,R71	47K_0603
53	2	R72,R77	0E_0805
54	1	R73	470E_0805
55	1	R78	10K_0805
56	32	R79,R80,R81,R82,R83,R84,R85,R 86,R87,R88,R89,R90,R91,R92,R9 3,R94,R95,R96,R97,R98,R99,R10 0,R101,R102,R103,R104,R105,R1 06,R107,R108,R109,R110	220E_0603
57	2	R111,R112	120E_0805
58	1	TP1	TEST POINT
59	1	U1	STM32F4071GT6_QFP176
60	1	U2	STM1001_3P
61	1	U3	MAX6369_SOT23
62	1	U4	NC7ST32_SOT23

63	1	U5	DP83848CVV
64	1	U6	MAX3232_TSSOP16
65	1	U7	MB85RS256APNF_SOIC
66	1	U8	MAX3250EAI
67	1	U9	74LV245_TSSOP
68	1	U10	IDT74FCT16245_SSOP48
69	1	U11	DS3234_SOIC
70	2	U12,U13	IDT74FCT164245_SSOP48
71	1	U14	ADM2582E_SOIC
72	2	Y1,Y3	FOXSDLF/250F
73	1	Y2	ABS25-32.768KHZ-6-1-T

Item	Quantity	Reference	Part
1	7	GND1,TP2,TP3,TP4,TP5,TP6,+3V	TestPoint
2	1	BT1	CH004-2032LF
3	1	CN1	J0011D21BNL
4	5	C1,C2,C11,C19,C23	10uF_CASE_A
5	26	C3,C4,C5,C6,C7,C8,C9,C10,C12,C13,C16,C17,C20,C21,C22,C27,C28,C29,C41,C42,C43,C44,C45,C46,C55,C56	100nF_0603
6	2	C14,C15	20pF_0603
7	2	C18,C24	6.8pF_0603
8	2	C25,C26	2.2uF_CASE_A
9	16	C30,C31,C34,C35,C36,C37,C38,C39,C48,C50,C52,C53,C59,C60,C63,C82	100nF_0805
10	2	C32,C33	22pF_0603
11	3	C40,C57,C58	10uF_CASED
12	2	C47,C49	10nF_0805
13	1	C51	10 uf_1210
14	1	C54	10uF_0805
15	8	C65,C68,C71,C74,C78,C79,C85,C86	150pF_0805
16	3	D2,D1-1,D5-1	LED_0805
17	8	D3,D5,D7,D9,D11,D13,D15,D17	SMCJ28A
18	8	D4,D6,D8,D10,D12,D14,D16,D18	LL4148_SOD80C
19	1	FSM4JH1	CON4A
20	1	IC1	TEL5-2410
21	1	JP1	HEADER 3X2
22	4	J1,J3,J8,J9	HEADER 3
23	1	J2	PT65-103
24	1	J4	opt
25	3	J5,J11,J13	JUMPER
26	1	J7	CONN BERG 8x2-P 2.54 mm
27	1	J10	5103310-5_TYCO
28	1	J12	D09S24A4GV00LF
29	1	J14	MC 1.5/16-G-3.81
30	1	J15	1803277
31	1	J16	CON3
32	1	J17	66200621022_WURTH

33	3	L1,L2,L3	BEAD_0805
34	2	N3-1,N7-1	LED-LPA-C041301S-X
35	8	OPT1,OPT2,OPT3,OPT4,OPT5,OPT6,OPT7,OPT8	SFH6106
36	1	R1	47E_0603
37	18	R2,R3,R4,R5,R7,R8,R10,R11,R12,R13,R14,R47,R48,R49,R50,R52,R53,R54	10K_0603
38	1	R6	390E_0603
39	4	R9,R37,R45,R55	0E_0603
40	19	R15,R16,R17,R18,R21,R22,R23,R24,R25,R26,R27,R28,R29,R30,R31,R32,R33,R34,R35	51E_0603
41	2	R19,R20	240E_0805
42	7	R36,R38,R39,R40,R42,R43,R44	2.2K_0603
43	1	R41	1.5K_0603
44	1	R46	4.87K_0603
45	1	R51	NO_STUFF_0603
46	2	R56,R57	120E_0805
47	8	R58,R59,R60,R61,R62,R63,R64,R65	1K_0805
48	1	R66	470E_0805
49	24	R68,R69,R70,R71,R72,R73,R74,R75,R76,R77,R78,R79,R80,R81,R82,R83,R84,R85,R86,R87,R88,R89,R90,R91	2K_0805
50	1	TP1	TEST POINT
51	1	U1	STM32F407IGT6_QFP176
52	1	U2	STM1001_3P
53	1	U3	MAX6369_SOT23
54	1	U4	NC7ST32_SOT23
55	1	U5	DP83848CVV
56	1	U6	MAX3232_TSSOP16
57	1	U7	MB85RS256APNF_SOIC
58	1	U8	ADM2582E_SOIC
59	2	U9,U10	74LV245_SOIC
60	1	U12	74LV04_SOIC
61	1	U13	74LV14_SOIC
62	2	Y1,Y3	FOXSDLF/250F
63	1	Y2	ABS25-32.768KHZ-6-1-T
64	8	Z1,Z2,Z3,Z4,Z5,Z6,Z7,Z8	1SMB5927B3G

Item	Quantity	Reference	Part
1	5	GND1,TP2,TP3,TP6,+3V1	TestPoint
2	1	BT1	CH004-2032LF
3	1	CN1	J0011D21BNL
4	5	C1,C2,C11,C16,C22	10uF_CASE_A
5	26	C3,C4,C5,C6,C7,C8,C9,C10,C12,C13	100nF_0603
6	2	C14,C15	20pF_0603
7	2	C23,C24	6.8pF_0603
8	2	C25,C26	2.2uF_CASE_A
9	14	C30,C31,C34,C35,C36,C37,C38,C39	100nF_0805
10	2	C32,C33	22pF_0603
11	3	C40,C57,C59	10uF_CASED
12	2	C47,C49	10nF_0805
13	1	C51	10 uf_1210
14	1	C54	10uF_0805
15	4	C61,C62,C63,C64	150pF_0805
16	3	D1,D1-1,D5-1	LED_0805
17	4	D2,D3,D4,D5	BYG10M_DO241AC
18	4	D6,D7,D8,D9	LED
19	1	FSM4JH1	CON4A
20	1	IC1	TEL5-2410
21	1	JP1	HEADER 3X2
22	4	J1,J3,J8,J9	HEADER 3
23	1	J2	PT65-103
24	1	J4	opt
25	3	J5,J11,J13	JUMPER
26	1	J6	CONN BERG 8x2-P 2.54 mm
27	1	J7	CON3
28	1	J10	5103310-5_TYCO
29	1	J12	D09S24A4GV00LF
30	1	J14	MC 1.5/16-G-3.81
31	1	J15	1803277
32	1	J17	66200621022_WURTH
33	4	LS1,LS2,LS3,LS4	RT2
34	3	L1,L2,L3	BEAD_0805
35	1	R1	47E_0603
36	18	R2,R3,R4,R5,R7,R8,R10,R11,R12,R13	10K_0603
37	1	R6	390E_0603

38	4	R9,R37,R45,R55	OE_0603
39	19	R15,R16,R17,R18,R21,R22,R23,R2	51E_0603
40	2	R19,R20	240E_0805
41	7	R36,R38,R39,R40,R42,R43,R44	2.2K_0603
42	1	R41	1.5K_0603
43	1	R46	4.87K_0603
44	1	R51	NO_STUFF_0603
45	2	R56,R57	120E_0805
46	16	R58,R59,R60,R61,R62,R63,R64,R6	1K_0805
47	1	R66	470E_0805
48	4	R68,R71,R74,R77	OE_0805
49	1	TP1	TEST POINT
50	4	UOPT1,UOPT2,UOPT3,UOPT4	LCA127L_SMT
51	1	U1	STM32F407IGT6_QFP176
52	1	U2	STM1001_3P
53	1	U3	MAX6369_SOT23
54	1	U4	NC7ST32_SOT23
55	1	U5	DP83848CVV
56	1	U6	MAX3232_TSSOP16
57	1	U7	MB85RS256APNF_SOIC
58	1	U8	ADM2582E_SOIC
59	2	U9,U10	74LV245_SOIC
60	2	Y1,Y3	FOXSDLF/250F
61	1	Y2	ABS25-32.768KHZ-6-1-T

Item	Quantity	Reference	Part
1	6	VCC1,GND1,TP2,TP3,TP5,+3V1	TestPoint
2	1	BT1	CH004-2032LF
3	1	CN1	J0011D21BNL
4	5	C1,C2,C11,C19,C23	10uF_CASE_A
5	27	C3,C4,C5,C6,C7,C8,C9,C10,C12,C13,C16,C17,C20,C21,C22,C27,C28,C29,C41,C42,C43,C44,C45,C46,C55,C56,C57	100nF_0603
6	2	C14,C15	20pF_0603
7	2	C18,C24	6.8pF_0603
8	2	C25,C26	2.2uF_CASE_A
9	14	C30,C31,C34,C35,C36,C37,C38,C39,C48,C50,C52,C53,C59,C61	100nF_0805
10	2	C32,C33	22pF_0603
11	3	C40,C58,C60	10uF_CASED
12	2	C47,C49	10nF_0805
13	1	C51	10 uf_1210
14	1	C54	10uF_0805
15	2	C62,C63	10uF_CASEB
16	21	C64,C65,C70,C76,C79,C81,C82,C93,C94,C99,C105,C108,C110,C111,C122,C123,C128,C134,C137,C139,C140	10n_0805
17	24	C66,C67,C78,C83,C84,C85,C86,C88,C95,C97,C106,C112,C113,C114,C116,C117,C124,C126,C136,C141,C142,C143,C145,C146	100n_0805
18	6	C68,C69,C96,C98,C125,C127	10u_0805
19	3	C71,C100,C129	2u2_0805
20	15	C72,C73,C74,C75,C80,C101,C102,C103,C104,C109,C130,C131,C132,C133,C138	220n_0805
21	3	C77,C107,C135	10u_0805
22	9	C87,C89,C91,C115,C118,C120,C144,C147,C149	22u_0805
23	3	C90,C119,C148	1u_0805
24	3	C92,C121,C150	1n_0805
25	6	D3,D9,D11,D17,D19,D25	BZX84C15V
26	15	D4,D5,D6,D7,D8,D12,D13,D14,D15,D16,D20,D21,D22,D23,D24	BAV23S

27	2	D1-1,D5-1	LED_0805
28	3	D10,D18,D26	BZX84C3V3
29	1	D27	552-0221F
30	1	FSM4JH1	CON4A
31	1	F1	MF-MSMF010-2
32	3	F2,F3,F4	MF-MSMF010
33	1	IC1	TEL5-2411
34	3	IC2,IC8,IC14	AD7792BRU
35	3	IC3,IC9,IC15	ADG719
36	3	IC4,IC10,IC16	ADuM1401ARW
37	3	IC5,IC11,IC17	74AHC1G04
38	3	IC6,IC13,IC18	LM78L05
39	3	IC7,IC12,IC19	R1S-2412/H
40	1	JP1	HEADER 3X2
41	4	J1,J3,J8,J9	HEADER 3
42	1	J2	PT65-103
43	1	J4	opt
44	3	J5,J11,J13	JUMPER
45	1	J6	CONN BERG 8x2-P 2.54 mm
46	1	J7	CON3
47	1	J10	5103310-5_TYCO
48	1	J12	D09S24A4GV00LF
49	1	J14	MC 1.5/16-G-3.81
50	1	J15	1803277
51	1	J17	66200621022_WURTH
52	4	L1,L2,L3,L4	BEAD_0805
53	30	L5,L6,L7,L8,L9,L10,L11,L12,L13,L15,L16,L17,L18,L19,L20,L21,L22,L23,L25,L26,L27,L28,L29,L30,L31,L32,L33,L34,L36,L37	600Z_0805
54	3	L14,L24,L35	220uH_0805
55	1	R1	47E_0603
56	18	R2,R3,R4,R5,R7,R8,R10,R11,R12,R13,R14,R47,R48,R49,R50,R52,R53,R54	10K_0603
57	1	R6	390E_0603
58	4	R9,R37,R45,R55	0E_0603
59	19	R15,R16,R17,R18,R21,R22,R23,R24,R25,R26,R27,R28,R29,R30,R31,R32,R33,R34,R35	51E_0603
60	2	R19,R20	240E_0805
61	7	R36,R38,R39,R40,R42,R43,R44	2.2K_0603
62	1	R41	1.5K_0603
63	1	R46	4.87K_0603
64	1	R51	NO_STUFF_0603
65	2	R56,R57	120E_0805
66	10	R58,R59,R60,R61,R62,R63,R64,R65,R66,R67	1K_0805

67	12	R68,R69,R70,R73,R82,R83,R84,R87,R96,R97,R98,R101	1K_0805
68	12	R71,R72,R74,R75,R85,R86,R88,R89,R99,R100,R102,R103	100R_0805
69	3	R76,R91,R105	10K 0.1%
70	3	R77,R90,R104	4K02 0.1%
71	21	R78,R79,R92,R93,R106,R107,R128,R129,R130,R131,R132,R133,R136,R137,R141,R143,R149,R151,R153,R157,R163	220R_0805
72	3	R80,R94,R108	51K_0805
73	3	R81,R95,R109	5K1_0805
74	6	R124,R125,R126,R127,R145,R147	33M_0805
75	3	R134,R135,R155	2M2_0805
76	6	R138,R139,R140,R142,R159,R162	0R_0805
77	1	TP1	TEST POINT
78	1	U1	STM32F407IGT6_QFP176
79	1	U2	STM1001_3P
80	1	U3	MAX6369_SOT23
81	1	U4	NC7ST32_SOT23
82	1	U5	DP83848CVV
83	1	U6	MAX3232_TSSOP16
84	1	U7	MB85RS256APNF_SOIC
85	1	U8	ADM2582E_SOIC
86	1	U9	74LVC4245A-Q100_TSSOP24
87	1	U10	74LV245_SOIC
88	1	U11	ADP3338AKCZ-3.3_SOT223
89	2	Y1,Y3	FOXSDLF/250F
90	1	Y2	ABS25-32.768KHZ-6-1-T

Item	Quantity	Reference	Part
1	7	VCC1,GND1,TP2,TP3,TP4,TP5,+3V	TestPoint
2	1	BT1	CH004-2032LF
3	1	CN1	J0011D21BNL
4	5	C1,C2,C11,C16,C22	10uF_CASE_A
5	27	C3,C4,C5,C6,C7,C8,C9,C10,C12,C13,C17,C18,C19,C20,C21,C27,C28,C29,C41,C42,C43,C44,C45,C46,C55,C56,C57	100nF_0603
6	2	C14,C15	20pF_0603
7	2	C23,C24	6.8pF_0603
8	2	C25,C26	2.2uF_CASE_A
9	14	C30,C31,C34,C35,C36,C37,C38,C39,C48,C50,C52,C53,C59,C61	100nF_0805
10	2	C32,C33	22pF_0603
11	3	C40,C58,C60	10uF_CASED
12	2	C47,C49	10nF_0805
13	1	C51	10 uf_1210
14	1	C54	10uF_0805
15	2	C62,C63	10uF_CASEB
16	32	C64,C65,C67,C74,C75,C76,C78,C79,C84,C85,C86,C94,C95,C96,C98,C99,C104,C105,C107,C114,C115,C116,C117,C121,C124,C125,C126,C134,C135,C136,C138,C140	100n_0805
17	20	C66,C68,C77,C80,C82,C87,C88,C97,C100,C102,C106,C108,C118,C120,C122,C127,C128,C137,C139,C142	10u_0805
18	4	C69,C89,C109,C129	470n_0805
19	8	C70,C71,C90,C91,C110,C111,C130,C131	220n_0805
20	16	C72,C73,C92,C93,C112,C113,C132,C133,C144,C145,C146,C147,C148,C149,C150,C151	10n_0805
21	4	C81,C101,C119,C141	1u_0805
22	4	C83,C103,C123,C143	1n0_0805
23	4	D1,D2,D1-1,D5-1	LED_0805

		D3,D4,D5,D6,D10,D11,D12,D13,D17,D18,D19,D20,D24,D25,D26,D27	
24	16	7	BZX84C15V
25	4	D7,D14,D21,D28	BZX84C5V6
26	4	D8,D15,D22,D29	BAV23S
27	4	D9,D16,D23,D30	BZX84C3V3
28	1	FSM4JH1	CON4A
29	1	F1	MF-MSMF010-2
30	4	F2,F3,F4,F5	MF-MSMF010
31	1	IC1	TEL5-2411
32	4	IC2,IC12,IC22,IC32	REF192
33	4	IC3,IC13,IC23,IC33	AD7792BRU
34	8	IC4,IC6,IC14,IC16,IC24,IC26,IC34,IC36	ADG465
35	8	IC5,IC7,IC15,IC17,IC25,IC27,IC35,IC37	ADG719
36	4	IC8,IC18,IC28,IC38	ADuM1401ARW
37	4	IC9,IC19,IC29,IC39	74AHC1G04
38	4	IC10,IC20,IC30,IC40	LM78L05
39	4	IC11,IC21,IC31,IC41	R1S-2412/H
40	1	JP1	HEADER 3X2
41	4	J1,J3,J8,J9	HEADER 3
42	1	J2	PT65-103
43	1	J4	opt
44	3	J5,J11,J14	JUMPER
45	1	J6	CONN BERG 8x2-P 2.54 mm
46	1	J10	5103310-5_TYCO
47	2	J12,J17	D09S24A4GV00LF
48	1	J13	66200621022_WURTH
49	1	J15	1828003
50	1	J16	1803277
51	4	L1,L2,L3,L4	BEAD_0805
52	8	L5,L6,L11,L12,L17,L18,L23,L24	1KZ_0805
53	20	L7,L9,L10,L13,L15,L16,L19,L21,L22,L25,L27,L28,L29,L30,L31,L32,L33,L34,L35,L36	600Z_0805
54	4	L8,L14,L20,L26	220uH
55	4	MOV1,MOV2,MOV3,MOV4	MOV
56	1	R1	47E_0603
57	18	R2,R3,R4,R5,R7,R8,R10,R11,R12,R13,R14,R47,R48,R49,R50,R52,R53,R54	10K_0603
58	1	R6	390E_0603
59	4	R9,R37,R45,R55	0E_0603
60	19	R15,R16,R17,R18,R21,R22,R23,R24,R25,R26,R27,R28,R29,R30,R31,R32,R33,R34,R35	51E_0603
61	2	R19,R20	240E_0805

62	7	R36,R38,R39,R40,R42,R43,R44	2.2K_0603
63	1	R41	1.5K_0603
64	1	R46	4.87K_0603
65	1	R51	NO_STUFF_0603
66	2	R56,R57	120E_0805
67	9	R58,R59,R60,R61,R62,R63,R64,R65,R67	1K_0805
68	1	R66	470E_0805
69	28	R68,R70,R72,R73,R74,R77,R81,R86,R88,R90,R91,R92,R95,R99,R104,R106,R108,R109,R110,R113,R117,R122,R124,R126,R127,R128,R131,R135	1K_0805
70	12	R69,R83,R84,R87,R101,R102,R105,R119,R120,R123,R137,R138	220R_0805
71	32	R71,R75,R76,R78,R79,R80,R89,R93,R94,R96,R97,R98,R107,R111,R112,R114,R115,R116,R125,R129,R130,R132,R133,R134,R140,R141,R144,R145,R146,R147,R150,R151	100R_0805
72	4	R82,R100,R118,R136	22K_0805
73	4	R85,R103,R121,R139	5K1_0805
74	4	R142,R143,R148,R149	10M_0805
75	1	TP1	TEST POINT
76	1	U1	STM32F407IGT6_QFP176
77	1	U2	STM1001_3P
78	1	U3	MAX6369_SOT23
79	1	U4	NC7ST32_SOT23
80	1	U5	DP83848CVV
81	1	U6	MAX3232_TSSOP16
82	1	U7	MB85RS256APNF_SOIC
83	1	U8	ADM2582E_SOIC
84	1	U9	74LVC4245A-Q100_TSSOP24
85	1	U10	74LV245_SOIC
86	1	U11	ADP3338AKCZ-3.3_SOT223
87	2	Y1,Y3	FOXSDLF/250F
88	1	Y2	ABS25-32.768KHZ-6-1-T

Item Quantity Reference Part

1	6	VCC1,GND1,TP2,TP3,TP4,+3V1	TestPoint
2	1	CN1	J0011D21BNL
3	9	C1,C2,C6,C17,C23,C72,C86,C100,C114	10uF_CASE_A
4	25	C3,C4,C5,C7,C8,C9,C10,C11,C12,C13,C18,C19,C20,C21,C22,C27,C28,C29,C41,C42,C43,C44,C45,C46,C55	100nF_0603
5	2	C14,C15	20pF_0603
6	2	C16,C24	6.8pF_0603
7	2	C25,C26	2.2uF_CASE_A
8	30	C30,C31,C34,C35,C36,C37,C38,C39,C48,C50,C52,C53,C57,C59,C73,C75,C77,C82,C87,C89,C90,C92,C101,C103,C104,C106,C115,C117,C118,C121	100nF_0805
9	2	C32,C33	22pF_0603
10	3	C40,C56,C58	10uF_CASED
11	2	C47,C49	10nF_0805
12	1	C51	10 uf_1210
13	1	C54	10uF_0805
14	8	C60,C64,C67,C69,C83,C93,C107,C122	10uF_1210
15	14	C61,C62,C63,C65,C66,C68,C78,C81,C95,C97,C110,C111,C120,C125	10uF_CASEB
16	8	C70,C71,C84,C85,C98,C99,C112,C113	2.7nF_0805
17	8	C74,C76,C88,C91,C102,C105,C116,C119	22uF_1210
18	8	C79,C80,C94,C96,C108,C109,C123,C124	100nF_0805
19	1	D1	552-0221F
20	2	D1-1,D5-1	LED_0805
21	1	FSM4JH1	CON4A
22	1	F1	MF-MSMF010-2
23	4	IC1,IC3,IC5,IC7	LM78L05_SOIC8
24	4	IC2,IC4,IC6,IC8	ADuM1401CRW
25	1	JP1	HEADER 3X2

26	4	J1,J3,J8,J9	HEADER 3
27	1	J2	PT65-103
28	1	J4	opt
29	3	J5,J11,J14	JUMPER
30	1	J6	CON3
31	1	J7	CONN BERG 8x2-P 2.54 mm
32	1	J10	5103310-5_TYCO
33	1	J12	D09S24A4GV00LF
34	1	J13	66200621022_WURTH
35	1	J15	MC 1.5/16-G-3.81
36	1	J16	1803277
37	4	J17,J18,J19,J20	TSM-103-01-S-DV
38	4	L1,L2,L3,L4	BEAD_0805
39	4	L5,L6,L7,L8	600Z_0805
40	4	N1,N2,N3,N4	REF192_SOIC
41	1	PS1	TDR_3-2411SM
42	1	R1	47E_0603
43	18	R2,R3,R4,R5,R7,R8,R10,R11,R12,R13,R14,R47,R48,R49,R50,R52,R53,R54	10K_0603
44	1	R6	390E_0603
45	4	R9,R37,R45,R55	0E_0603
46	19	R15,R16,R17,R18,R21,R22,R23,R24,R25,R26,R27,R28,R29,R30,R31,R32,R33,R34,R35	51E_0603
47	2	R19,R20	240E_0805
48	7	R36,R38,R39,R40,R42,R43,R44	2.2K_0603
49	1	R41	1.5K_0603
50	1	R46	4.87K_0603
51	1	R51	NO_STUFF_0603
52	2	R56,R57	120E_0805
53	24	R58,R59,R60,R61,R62,R63,R64,R65,R69,R73,R75,R76,R84,R88,R90,R91,R99,R103,R105,R106,R114,R118,R120,R121	1K_0805
54	2	R66,R67	470E_0805
55	4	R68,R83,R98,R113	0E_1206
56	12	R70,R78,R79,R85,R93,R94,R101,R108,R109,R115,R123,R124	220E_0805
57	8	R71,R72,R86,R87,R100,R102,R116,R117	100E_0.01% 0805
58	8	R74,R77,R89,R92,R104,R107,R119,R122	22E_0805

		R80,R81,R82,R95,R96,R97,R11	
59	12	0,R111,R112,R125,R126,R127	100E_0603
60	1	TP1	TEST POINT
61	1	U1	STM32F407IGT6_QFP176
62	1	U2	STM1001_3P
63	1	U3	MAX6369_SOT23
64	1	U4	NC7ST32_SOT23
65	1	U5	DP83848CVV
66	1	U6	MAX3232_TSSOP16
67	1	U7	MB85RS256APNF_SOIC
68	1	U8	ADM2582E_SOIC
69	1	U9	74LV245_SOIC
70	1	U10	ADP3338AKCZ-3.3_SOT223
71	4	U11,U12,U13,U14	TDN 1-2413WISM
72	4	U15,U20,U25,U30	MAX14626ETT+T
73	4	U16,U21,U26,U31	AD7916BRMZ
74	4	U17,U22,U27,U32	ADA4940-1ARZ
75	4	U18,U23,U28,U33	ISO722DR
76	4	U19,U24,U29,U34	ADP3338AKCZ-2.5_SOT223
77	2	Y1,Y3	FOXSDLF/250F
78	1	Y2	ABS25-32.768KHZ-6-1-T

Item	Quantity	Reference	Part
1	6	VCC1,GND1,TP2,TP3,TP4,+3V1	TestPoint
2	1	CN1	J0011D21BNL
3	9	C1,C2,C11,C17,C23,C71,C86,C99,C113	10uF_CASE_A
4	25	C3,C4,C5,C6,C7,C8,C9,C10,C12,C13,C18,C19,C20,C21,C22,C27,C28,C29,C41,C42,C43,C44,C45,C46,C55	100nF_0603
5	2	C14,C15	20pF_0603
6	2	C16,C24	6.8pF_0603
7	2	C25,C26	2.2uF_CASE_A
8	42	C30,C31,C34,C35,C36,C37,C38,C39,C48,C50,C52,C53,C57,C59,C70,C72,C75,C77,C79,C80,C82,C84,C85,C89,C90,C92,C94,C95,C98,C100,C103,C104,C106,C108,C110,C112,C114,C117,C118,C121,C123,C124	100nF_0805
9	2	C32,C33	22pF_0603
10	3	C40,C56,C58	10uF_CASED
11	2	C47,C49	10nF_0805
12	1	C51	10 uf_1210
13	1	C54	10uF_0805
14	8	C60,C64,C67,C69,C83,C93,C107,C122	10uF_1210
15	14	C61,C62,C63,C65,C66,C68,C78,C81,C96,C97,C109,C111,C120,C125	10uF_CASEB
16	4	C73,C87,C101,C115	4.7nF_0805
17	8	C74,C76,C88,C91,C102,C105,C116,C119	22uF_1210
18	1	D1	552-0221F
19	2	D1-1,D5-1	LED_0805
20	1	FSM4JH1	CON4A
21	1	F1	MF-MSMF010-2
22	4	IC1,IC3,IC5,IC7	LM78L05_SOIC8
23	4	IC2,IC4,IC6,IC8	ADuM1401CRW
24	1	JP1	HEADER 3X2
25	4	J1,J3,J8,J9	HEADER 3
26	1	J2	PT65-103
27	1	J4	opt

28	3	J5,J11,J14	JUMPER
29	1	J6	CONN BERG 8x2-P 2.54 mm
30	1	J7	CON3
31	1	J10	5103310-5_TYCO
32	1	J12	D09S24A4GV00LF
33	1	J13	66200621022_WURTH
34	1	J15	MC 1.5/16-GF-3.81
35	1	J16	1803277
36	4	J17,J18,J19,J20	TSM-103-01-S-DV
37	4	L1,L2,L3,L4	BEAD_0805
38	4	L5,L6,L7,L8	600Z_0805
39	4	N1,N2,N3,N4	REF192_SOIC
40	1	PS1	TDR_3-2411SM
41	1	R1	47E_0603
42	18	R2,R3,R4,R5,R7,R8,R10,R11,R12,R13,R14,R47,R48,R49,R50,R52,R53,R54	10K_0603
43	1	R6	390E_0603
44	4	R9,R37,R45,R55	0E_0603
45	19	R15,R16,R17,R18,R21,R22,R23,R24,R25,R26,R27,R28,R29,R30,R31,R32,R33,R34,R35	51E_0603
46	2	R19,R20	240E_0805
47	7	R36,R38,R39,R40,R42,R43,R44	2.2K_0603
48	1	R41	1.5K_0603
49	1	R46	4.87K_0603
50	1	R51	NO_STUFF_0603
51	2	R56,R57	120E_0805
52	12	R58,R59,R60,R61,R62,R63,R64,R65,R75,R87,R99,R111	1K_0805
53	2	R66,R67	470E_0805
54	4	R68,R80,R92,R104	0E_1206
55	8	R69,R70,R81,R82,R93,R94,R105,R106	100E_0.01% 0805
56	4	R71,R83,R95,R107	10K_0805
57	4	R72,R85,R96,R109	5.11K_0805
58	4	R73,R84,R97,R108	51E_0805
59	4	R74,R86,R98,R110	124K_0805
60	8	R76,R77,R88,R89,R100,R101,R112,R113	220E_0805
61	8	R78,R79,R90,R91,R102,R103,R114,R115	100E_0603
62	1	TP1	TEST POINT
63	1	U1	STM32F407IGT6_QFP176
64	1	U2	STM1001_3P
65	1	U3	MAX6369_SOT23
66	1	U4	NC7ST32_SOT23
67	1	U5	DP83848CVV

68	1	U6	MAX3232_TSSOP16
69	1	U7	MB85RS256APNF_SOIC
70	1	U8	ADM2582E_SOIC
71	1	U9	74LV245_SOIC
72	1	U10	ADP3338AKCZ-3.3_SOT223
73	4	U11,U12,U13,U14	TDN 1-2413WISM
74	4	U15,U20,U25,U30	MAX14626ETT+T
75	4	U16,U21,U26,U31	MCP33131-05T-E/MS
76	4	U17,U22,U27,U32	ADA4897-1
77	4	U18,U23,U28,U33	ISO722DR
78	4	U19,U24,U29,U34	ADP3338AKCZ-1.8_SOT223
79	2	Y1,Y3	FOXSDLF/250F
80	1	Y2	ABS25-32.768KHZ-6-1-T