

Item	Quantity	Reference	Part	Description	Manufacturer	Mfr. Part #
1	1	BT1	BATTERY 3V	Battery, Lithium - .9" dia. coin type, PCB terminals	Panasonic	BR2325-1HC
2	33	C2,C3,C5,C6,C7,C8,C9,C14,C15,C16,C17,C18,C21,C22,C23,C25,C26,C27,C28,C29,C30,C31,C32,C33,C34,C36,C37,C38,C44,C45,C46,C47,C48	.1UF 0805	Capacitor, 50V SMD size 0805	AVX	08055E104ZATMA
3	1	C10	.01UF 0805	Capacitor, 50V SMD size 0805		
4	12	C35,C41,C42,C49,C50,C51,C52,C53,C54,C55,C56,C57	220PF 0805	Capacitor, 50V SMD size 0805		
5	1	C40	47PF 0805	Capacitor, 50V SMD size 0805		
6	2	C1,C4	1.0UF 25V	Capacitor, Tantalum, SMD size 3528		
7	1	C19	4.7UF 16V	Capacitor, Tantalum, SMD size 3528		
8	6	C11,C12,C13,C20,C24,C43	10UF 16V	Capacitor, Tantalum, SMD size 6032		
9	1	C39	6.5-30PF SMT	Capacitor, Variable, Surface Mount	Sprague Goodman	GKG30066-07
10	1	J5	CONNECTOR DB25 RA	Connector, DB25 Right Angle, Female, .318 mount	Amp	745783-4
11	1	J7	DB9 RA FEMALE	Connector, DB9 Right Angle, Female, .318 mount	Amp	745781-4
12	1	J6	DB9 RA MALE	Connector, DB9 Right Angle, Male, .318 mount	Amp	747250-4
13	2	J3B,J3A	PWR_6	Connector, Industry Standard Power, 6-pin	Molex	15-48-0406
14	1	J8	PCMCIA2	Connector, PCMCIA TYPE 2	Amp	535653-1
15	1	Y1B	32.768KHZ R26	Crystal, Cylindrical can	Ecliptek	EC26T
16	1	Y2B	14.318MHZ HC49	Crystal, HC49/US package	ECS	ECS-143-S-4
17	1	Y1A	32.768KHZ	Crystal, surface mount	Epson	MC-405-32.768K-A2
18	1	Y2A	14.318MHZ	Crystal, surface mount	Epson	MA-506-14.318M-C2
19	1	CR1	TSIP5201 1.3V	Diode, I.R. EMITTING	Siliconix/Telefunken	TSIP 520
20	1	CR2	BPV22F	Diode, photo	Siliconix/Telefunken	BPV22F
21	1	CR3	BAS16LT1	Diode, Signal, SMT SOT-23	Zetex	
22	4	W2,W5,W6,W8	HEADER 2	Header, 0.100" spacing, 1 by 2 pins	AMP	103185-2
23	4	W3,W4,W7,W9	HEADER 3	Header, 0.100" spacing, 1 by 3 pins	AMP	103185-3
24	1	W1	HEADER 6X2	Header, 0.100" spacing, 6 by 2 pins	AMP	103186-6

Item	Quantity	Reference	Part	Description	Manufacturer	Mfr. Part #
25	1	U21	74ACTQ08 SO	IC, 74ACTQ08 quad 2-input AND Gate	NS	74ACTQ08SC
26	3	U12,U13,U15	74ACTQ16244 SO	IC, 74ACTQ16244 16-Bit Buffer/Line Driver	NS	74ACTQ16244SC
27	1	U8	74ACTQ16245 SO	IC, 74ACTQ16245 16-Bit Transceiver	NS	74ACTQ16245SC
28	1	U17	74ACTQ16543 SO	IC, 74ACTQ16543 16-Bit Registered Trancvr	NS	74ACTQ16543SC
29	1	U16	74ACTQ244 SO	IC, 74ACTQ244 OCTAL BUS DRIVER	NS	74ACTQ244SC
30	1	U11	74ACTQ32 SO	IC, 74ACTQ32 QUAD 2-input OR gate	NS	74ACTQ32SC
31	1	U7	74ALS03 SO	IC, 74ALS03 Quad open collector NAND gate	NS	DM74ALS03BM
32	1	U18	PC104	IC, Altera 7032 FPGA, with PC104 I/F pattern	Altera	EPM7032LC44-12
33	1	U20	AV9154A-27 SO	IC, AV9154A 16-Pin Frequency Generator	ICS	AV9154A-27CS16
34	2	U4,U2	1488 SO	IC, DS14C88 QUAD LINE DRIVER	NS	DS14C88M
35	2	U5,U3	1489 SO	IC, DS14C89 QUAD LINE RECEIVER	NS	DS14C89AM
36	1	U6	29F800	IC, Flash EPROM, 48 pin TSOP SMT package		
37	1	U10	SI9711CY SO	IC, Si9711CY PCMCIA SWITCH	Siliconix	SI9711CY
38	1	U1	TLC372I	IC, TLC372ID DUAL COMPARATORS	TI	TLC372CD
39	1	U9	16550 PLCC	IC, Univeral Asynchronous Receiver/Transmitter w/FIFO	NS	PC16550DV
40	1	DS1	LED GREEN T-1 3/4	LED, GREEN, T-1 3/4	Panasonic	LN31GPHL
41	2	DS2,DS3	LEDR GREEN 2MM LC	LED, subminiature, green, w/ resistor, Low current	Industrial Devices	5372T5-5VLC
42	1	U14	NS486SXF	NS486 Embedded System Controller		
43	1	J9	NS486_EMU	NS486 Emulator Header, 4 per assy.	Amp	2-103186-0
44	2	W11,W10	PAD	PAD for test / wire connection, no component	N/A	N/A
45	2	J1A,J1B	SI32	PC104 Socket, J1, 32 by 2	Samtec	ESQ-132-12-G-D
46	2	J2D,J2C	SI20	PC104 Socket, J2, 20 by 2	Samtec	ESQ-120-12-G-D
47	1	RP3	10K SIP10SKT	Resistor Network, 10 pin SIP, Socket		
48	1	RP8	22 SO16	Resistor network, 8 resistors, 16 pin SO	CTS	767163220G
49	1	RP4	33 SO16	Resistor network, 8 resistors, 16 pin SO	CTS	767163330G
50	1	RP2	47 SO16	Resistor network, 8 resistors, 16 pin SO	CTS	767163470G
51	4	RP1,RP5,RP6,RP9	10K SIP10	Resistor network, 9 resistor, 10 pin SIP	CTS	770-101-103

NS486SXF EVALUATION BOARD  
870010936-400

Bill Of Materials

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Item	Quantity	Reference	Part	Description	Manufacturer	Mfr. Part #
52	1	RP7	1K SIP10	Resistor network, 9 resistor, 10 pin SIP	CTS	770-101-102
53	4	R12,R13,R14,R18	47 0805	Resistor, 1/10 Watt, 5%, SMD size 0805		
54	6	R7,R9,R21,R22,R24,R25	4.7K 0805	Resistor, 1/10 Watt, 5%, SMD size 0805		
55	9	R4,R11,R15,R16,R30,R31, R32,R39,R40	10K 0805	Resistor, 1/10 Watt, 5%, SMD size 0805		
56	2	R26,R17	1K 0805	Resistor, 1/10 Watt, 5%, SMD size 0805		
57	2	R2,R5	22K 0805	Resistor, 1/10 Watt, 5%, SMD size 0805		
58	3	R1,R19,R20	22 0805	Resistor, 1/10 Watt, 5%, SMD size 0805		
59	1	R34	1.2K 0805	Resistor, 1/10 Watt, 5%, SMD size 0805		
60	5	R23,R33,R35,R36,R37	18 0805	Resistor, 1/10 Watt, 5%, SMD size 0805		
61	2	R3,R6	220 0805	Resistor, 1/10 Watt, 5%, SMD size 0805		
62	5	R8,R41,R42,R43,R44	100K 0805	Resistor, 1/10 Watt, 5%, SMD size 0805		
63	3	R27,R28,R38	330 0805	Resistor, 1/10 Watt, 5%, SMD size 0805		
64	1	R10	1M 0805	Resistor, 1/10 Watt, 5%, SMD size 0805		
65	1	R29	20M 0805	Resistor, 1/10 Watt, 5%, SMD size 0805	KOA	RM73B2AT206J
66	1	J4	HEADER 20X2	Socket, 20 by 2	Samtec	ESQ-120-12-G-D
67	1	U19	SIMM4X36	Socket, 72-PIN SIMM, single row	Amp	822030-3
68	2	S1,S2	PB SPDT	Switch, mom. pushbutton, PC mount	C&K	KS12R22CQD
69	2	Q2,Q3	BC846A	Transistor, General purpose NPN SOT-23	Motorola	BC846ALT1
70	1	Q1	MTD3055EL	Transistor, N-MOSFET	Motorola	MTD3055EL