

MONICOR ELECTRONIC CORP.

FCC ID: GES4BAM2000S

EXHIBIT #: 6A

01/21/99

Monicor Bill of Materials (Composite)

Assembly 10312-000-001, Board, Modem, IC-100, SMT

Item	Part Number	Description	Type	Qty	Unit	Reference Designation
1	04000-314-002	Cap, tantalum, 4.7 uf, 20%, 16 V, sm3528	p	5.	ea	C32, C33, C34, C35, C36
2	10037-304-100	Cap, ESR, .1 uf, +80/-20%, smt-1206	p	7.	ea	C4, C5, C23, C25, C26, C30, C38
3	10027-304-000	Cap, ESR, .01 uf, +80/-20%, smt-0805	p	8.	ea	C2, C3, C10, C11, C20, C27, C31, C40
4	10014-304-100	Cap, NPO, .001 uf, 5%, 50 V, smt-1206	p	1.	ea	C13
5	12014-304-100	Cap, NPO, .0012 uf, 5%, 50 V, smt-1206	p	2.	ea	C14, C16
6	15004-304-000	Cap, NPO, 150 pf, 5%, 50 V, smt-0805	p	1.	ea	C24
7	27004-304-000	Cap, NPO, 270 pf, 5%, 50 V, smt-0805	p	2.	ea	C15, C17
8	33004-304-000	Cap, NPO, 33 pf, 5%, 50 V, smt-0805	p	2.	ea	C6, C7
9	82004-304-100	Cap, NPO, 820 pf, 5%, 50 V, smt-1206	p	1.	ea	C12
10	00001-605-000	Conn, RJ-45, Jack, 8 circ, for smt dig	p	1.	ea	J3
11	10004-378-001	Crystal, 7.3728 MHz, fud, 16 pf, CSA-309	p	1.	ea	Y1
12	10000-410-301	Diode, MMBD914X, smt, SOT23	p	3.	ea	D1, D2, D3
13	10006-415-501	IC, micro, 80C31BH, smt, PLCC44	p	1.	ea	U1
14	10023-415-301	IC, Memory, 32Kx8 CMOS RAM, smt-11.8mm w	p	1.	ea	U2
15	10012-415-101	IC, memory, 93C46, EEPROM, smt, SOT8	p	1.	ea	U4
16	10021-415-201	IC, logic, 74HC273, smt, SO20W	p	1.	ea	U5
17	10007-415-201	IC, logic, 74HC373, smt, SO20W	p	1.	ea	U6
18	10002-415-101	IC, logic, 74HC32, smt, SO14	p	1.	ea	U7
19	10020-415-101	IC, logic, 74HC00, smt, SO14	p	1.	ea	U8
20	10000-415-101	IC, logic, 74HC04, smt, SO14	p	1.	ea	U9
21	10005-415-101	IC, logic, 74HC393, smt, SO14	p	1.	ea	U10
22	10013-415-101	IC, linear, MC33174D, smt, SO14	p	2.	ea	U11, U12
23	10015-415-101	IC, linear, ICL7665ACSA, smt	p	1.	ea	U13
24	10010-415-201	IC, interface, MAX232CWE, smt, SO16W	p	1.	ea	U14
25	10003-415-101	IC, logic, 74HC4066, smt, SO14	p	1.	ea	U15
26	10011-415-201	IC, logic, HD99P-6409-9, smt, SO20W	p	1.	ea	U16
27	10022-415-801	IC, linear, +5 V reg w/enabled, SMT	p	1.	ea	U17
28	10003-390-002	Led, Green, T1 low current, no housing	p	1.	ea	D6
29	10312-000-001	PC Board, modem, IC-100, SMT	p	1.	ea	
30	12024-343-440	Res, TF, 12k, 5%, 1/10W, smt-0805	p	1.	ea	R11
31	15024-343-440	Res, TF, 15k, 5%, 1/10W, smt-0805	p	3.	ea	R12, R20, R26
32	10034-343-440	Res, TF, 100k, 5%, 1/10W, smt-0805	p	6.	ea	R1, R3, R5, R21, R23, R24
33	10031-343-559	Res, TF, 100k, 1%, 1/8W, smt-1206	p	1.	ea	R35
34	15034-343-440	Res, TF, 150k, 5%, 1/10W, smt-0805	p	3.	ea	R22, R45, R46
35	22024-343-440	Res, TF, 22k, 5%, 1/10W, smt-0805	p	2.	ea	R6, R7
36	27024-343-440	Res, TF, 27k, 5%, 1/10W, smt-0805	p	1.	ea	R47
37	22004-343-440	Res, TF, 220, 5%, 1/10W, smt-0805	p	2.	ea	R42, R43
38	22034-343-440	Res, TF, 220k, 5%, 1/10W, smt-0805	p	3.	ea	R4, R40, R44
39	22631-343-559	Res, TF, 226k, 1%, 1/8W, smt-1206	p	1.	ea	R34
40	33014-343-440	Res, TF, 3.3k, 5%, 1/10W, smt-0805	p	1.	ea	R41
41	39024-343-440	Res, TF, 39k, 5%, 1/10W, smt-0805	p	2.	ea	R2, R10
42	33044-343-440	Res, TF, 3.3M, 5%, 1/10W, smt-0805	p	1.	ea	R37
43	47014-343-440	Res, TF, 4.7k, 5%, 1/10W, smt-0805	p	1.	ea	R32
44	47024-343-440	Res, TF, 47k, 5%, 1/10W, smt-0805	p	1.	ea	R13
45	41221-343-559	Res, TF, 41.2k, 1%, 1/8W, smt-1206	p	1.	ea	R36
46	56004-343-440	Res, TF, 560, 5%, 1/10W, smt-0805	p	2.	ea	R27, R30
47	63421-343-559	Res, TF, 63.4k, 1%, 1/8W, smt-1206	p	1.	ea	R33
48	68024-343-440	Res, TF, 68k, 5%, 1/10W, smt-0805	p	1.	ea	R25
49	82024-343-440	Res, TF, 82k, 5%, 1/10W, smt-0805	p	1.	ea	R38
50	10002-419-001	Socket, 32 pin, PLCC, low-profile, smt	p	1.	ea	U3
51	10001-613-001	Socket, 8 contacts, single row	p	1.	ea	J2
52	10002-616-001	Switch, slide, SPDT, 2 A, 28 VDC, smt	p	1.	ea	SW1
53	10004-413-301	Trans, Switch, NPN, MMBT3904 smt, sot23	p	1.	ea	Q1

Item	Part Number	Description	Type	Qty	Unit	Reference Designation
1.1	10017-304-000	Cap, 25U, .001 uf, +80/-20%, smt-0805	p	8.	ea	C26, C32, C40, C50, C53, C77, C90, C11
1.2	10026-304-100	Cap, X7R, .01 uf, 20%, 50 V, smt-1206	p	1.	ea	C71
1.3	10027-304-000	Cap, 25U, .01 uf, +80/-20%, smt-0805	p	10.	ea	C3, C4, C28, C47, C82, C93, C7, C13, C12, C5
1.4	18054-304-000	Cap, NPO, 10 pf, 5%, 50 V, smt-0805	p	1.	ea	C15
1.5	10037-304-100	Cap, 25U, .1 uf, +80/-20%, smt-1206	p	9.	ea	C18, C21, C22, C24, C25, C27, C29, C45, C89
1.6	08288-304-000	Cap, NPO, .82 pf, +/- .25 pf, smt-0805	p	1.	ea	C68
1.7	10088-304-000	Cap, NPO, 1 pf, +/- .25 pf, smt-0805	p	1.	ea	C9
1.8	12080-304-000	Cap, NPO, 1.2 pf, +/- .25 pf, smt-0805	p	1.	ea	C59
1.9	15088-304-000	Cap, NPO, 1.5 pf, +/- .25 pf, smt-0805	p	1.	ea	C35
1.10	10094-304-000	Cap, NPO, 10 pf, 5%, 50 V, smt-0805	p	2.	ea	C52, C56
1.11	12094-304-000	Cap, NPO, 12 pf, 5%, 50 V, smt-0805	p	2.	ea	C80, C8
1.12	15094-304-000	Cap, NPO, 15 pf, 5%, 50 V, smt-0805	p	6.	ea	C34, C36, C58, C60, C95, C97
1.13	10004-304-000	Cap, NPO, 100 pf, 5%, 50 V, smt-0805	p	3.	ea	C31, C49, C14
1.14	22088-304-000	Cap, NPO, 2.2 pf, +/- .25 pf, smt-0805	p	2.	ea	C69, C92
1.15	22094-304-000	Cap, NPO, 22 pf, 5%, 50 V, smt-0805	p	10.	ea	C30, C44, C48, C70, C72, C81, C83, C86, C94, C96
1.16	27094-304-000	Cap, NPO, 27 pf, 5%, 50 V, smt-0805	p	1.	ea	C17
1.17	33088-304-000	Cap, NPO, 3.3 pf, +/- .25 pf, smt-0805	p	1.	ea	C75
1.18	33088-304-000	Cap, NPO, 3.3 pf, +/- .25 pf, smt-0805	p	3.	ea	C37, C61, C98
1.19	47088-304-000	Cap, NPO, 4.7 pf, +/- .25 pf, smt-0805	p	2.	ea	C57, C74
1.20	47094-304-000	Cap, NPO, 47 pf, 5%, 50 V, smt-0805	p	2.	ea	C19, C20
1.21	47004-304-000	Cap, NPO, 470 pf, 5%, 50 V, smt-0805	p	6.	ea	C38, C41, C43, C54, C62, C91
1.22	56088-304-000	Cap, NPO, 5.6 pf, +/- .25 pf, smt-0805	p	4.	ea	C39, C65, C76, C16
1.23	68088-304-000	Cap, NPO, 6.8 pf, +/- .25 pf, smt-0805	p	4.	ea	C33, C51, C84, C85
1.24	68094-304-000	Cap, NPO, 68 pf, 5%, 50 V, smt-0805	p	1.	ea	C42
1.25	82088-304-000	Cap, NPO, 8.2 pf, +/- .25 pf, smt-0805	p	5.	ea	C55, C79, C6, C1, C2
1.26	82094-304-000	Cap, NPO, 82 pf, 5%, 50 V, smt-0805	p	2.	ea	C64, C67
1.27	04000-314-001	Cap, tantalum, 4.7 uf, 20%, 10 V, sm3528	p	4.	ea	C66, C78, C87, C88
1.28	04000-314-003	Cap, tantalum, 6.8 uf, 20%, 6 V, sm3528	p	1.	ea	C23
1.29	10008-212-001	Clip, Antenna, SMT, IC-100	p	1.	ea	J1A
1.30	04000-376-005	Coil, smt-0805, 220 nH, 10%, smt	p	2.	ea	L8, L19
1.31	04000-376-008	Coil, smt-0805, 390 nH, 10%, smt	p	3.	ea	L31, L32, L34
1.32	10003-378-001	Crystal, 20.945 MHz, fund., 30 pf, UM-1	p	1.	ea	Y3
1.33	10000-410-301	Diode, MMUD914X, smt, SOT23	p	1.	ea	CR6
1.34	10006-410-301	Diode, Pin, HSMP-3820 (Single), SMT	p	3.	ea	CR1/CR2/CR3
1.35	10002-410-301	Diode, Varactor, KVL410, smt	p	2.	ea	CR4, CR5
1.36	10000-384-003	Filter, hel, 3 pole, 5HT-46020AS-460, thru	p	1.	ea	FL2
1.37	10000-384-002	Filter, hel, 2 pole, 445-45A-475, thru	p	1.	ea	FL1
1.38	10000-385-002	Filter, Ceramic, 4 pole, ULF-020, lo-pro	p	1.	ea	FL5
1.39	10000-383-001	Filter, crystal, 4 pole, 21.4 MHz	p	1.	pair	FL3/4
1.40	10022-415-801	IC, linear, +5 V reg w/enale, SMT	p	2.	ea	U1, U3
1.41	10016-415-101	IC, linear, LM3361AM, smt	p	1.	ea	U2
1.42	10003-376-001	Ind, variable, quad discriminator, thru	p	1.	ea	L6
1.43	10002-376-001	Ind, variable, 730 nH, 20%	p	2.	ea	L18, L7
1.44	24120-377-025	Ind, airwound, 2.5 T, .120 ID, 24 AWG	p	1.	ea	L14
1.45	24096-377-015	Ind, airwound, 1.5 T, .096 ID, 24 AWG	p	1.	ea	L35
1.46	10001-376-001	Ind, variable, 3.3 uH	p	2.	ea	L4, L5
1.47	24116-377-015	Ind, airwound, 1.5 T, .116 ID, 24 AWG	p	2.	ea	L26, L10
1.48	24086-377-015	Ind, airwound, 1.5 T, .086 ID, 24 AWG	p	1.	ea	L33
1.49	24107-377-025	Ind, airwound, 2.5 T, .107 ID, 24 AWG	p	4.	ea	L23, L24, L25, L29
1.50	24096-377-025	Ind, airwound, 2.5 T, .096 ID, 24 AWG	p	1.	ea	L12
1.51	24094-377-025	Ind, airwound, 2.5 T, .094 ID, 24 AWG	p	1.	ea	L36
1.52	24082-377-025	Ind, airwound, 2.5 T, .082 ID, 24 AWG	p	3.	ea	L13, L2, L3
1.53	24120-377-025	Ind, airwound, 2.5 T, .120 ID, 24 AWG	p	4.	ea	L10, L11, L27, L28
1.54	24098-377-025	Ind, airwound, 2.5 T, .098 ID, 24 AWG	p	1.	ea	L1
1.55	24082-377-065	Ind, airwound, 6.5 T, .082 ID, 24 AWG	p	1.	ea	L20
1.56	24111-377-045	Ind, airwound, 4.5 T, .111 ID, 24 AWG	p	1.	ea	L22
1.57	24094-377-065	Ind, airwound, 6.5 T, .094 ID, 24 AWG	p	1.	ea	L9
1.58	24082-377-045	Ind, airwound, 4.5 T, .082 ID, 24 AWG	p	1.	ea	L21
1.59	24082-377-015	Ind, airwound, 1.5 T, .082 ID, 24 AWG	p	1.	ea	L15
1.60	00002-605-008	Jack, subminiature phone, IC-100	p	1.	ea	J3
1.61	10000-608-001	Jumper, flex, 8 cir	p	1.	ea	J2
1.62	10313-005-001	PC Board, radio, IC-100, SMT	p	1.	ea	
1.63	10034-343-440	Res, TF, 100k, 5%, 1/10W, smt-0805	p	3.	ea	R18, R34, R57
1.64	10024-343-440	Res, TF, 10k, 5%, 1/10W, smt-0805	p	8.	ea	R1, R7, R29, R59, R61, R6, R32, R19
1.65	12004-343-440	Res, TF, 120, 5%, 1/10W, smt-0805	p	1.	ea	R53
1.66	15024-343-440	Res, TF, 15k, 5%, 1/10W, smt-0805	p	2.	ea	R2, R8
1.67	18004-343-440	Res, TF, 180, 5%, 1/10W, smt-0805	p	1.	ea	R44
1.68	18024-343-440	Res, TF, 18k, 5%, 1/10W, smt-0805	p	1.	ea	R47
1.69	10014-343-440	Res, TF, 1.0k, 5%, 1/10W, smt-0805	p	2.	ea	R60, R74
1.70	20024-343-440	Res, TF, 20k, 5%, 1/10W, smt-0805	p	2.	ea	R14, R17
1.71	22004-343-440	Res, TF, 220, 5%, 1/10W, smt-0805	p	4.	ea	R27, R45, R73, R3
1.72	22024-343-440	Res, TF, 22k, 5%, 1/10W, smt-0805	p	2.	ea	R23, R38
1.73	27024-343-440	Res, TF, 27k, 5%, 1/10W, smt-0805	p	2.	ea	R4, R42
1.74	33014-343-440	Res, TF, 3.3k, 5%, 1/10W, smt-0805	p	2.	ea	R21, R35
1.75	39014-343-440	Res, TF, 3.9k, 5%, 1/10W, smt-0805	p	2.	ea	R41, R43
1.76	39014-343-550	Res, TF, 3.9k, 5%, 1/8W, smt-1206	p	1.	ea	R75
1.77	33024-343-440	Res, TF, 33k, 5%, 1/10W, smt-0805	p	1.	ea	R28
1.78	47094-343-440	Res, TF, 47, 5%, 1/10W, smt-0805	p	1.	ea	R54
1.79	47004-343-440	Res, TF, 470, 5%, 1/10W, smt-0805	p	3.	ea	R9, R55, R71
1.80	47014-343-440	Res, TF, 4.7k, 5%, 1/10W, smt-0805	p	2.	ea	R66, R70
1.81	47024-343-440	Res, TF, 47k, 5%, 1/10W, smt-0805	p	2.	ea	R22, R36
1.82	56004-343-440	Res, TF, 560, 5%, 1/10W, smt-0805	p	1.	ea	R50
1.83	68094-343-440	Res, TF, 68, 5%, 1/10W, smt-0805	p	2.	ea	R30, R48
1.84	68024-343-440	Res, TF, 68k, 5%, 1/10W, smt-0805	p	1.	ea	R13
1.85	82014-343-440	Res, TF, 8.2k, 5%, 1/10W, smt-0805	p	2.	ea	R15, R58
1.86	82004-343-440	Res, TF, 820, 5%, 1/10W, smt-0805	p	2.	ea	R40, R56
1.87	82024-343-440	Res, TF, 82k, 5%, 1/10W, smt-0805	p	2.	ea	R11, R16
1.88	66521-343-559	Res, TF, 66.5K, 1%, 1/8W, smt-1206	p	2.	ea	R62, R67

EXHIBIT #: 60

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