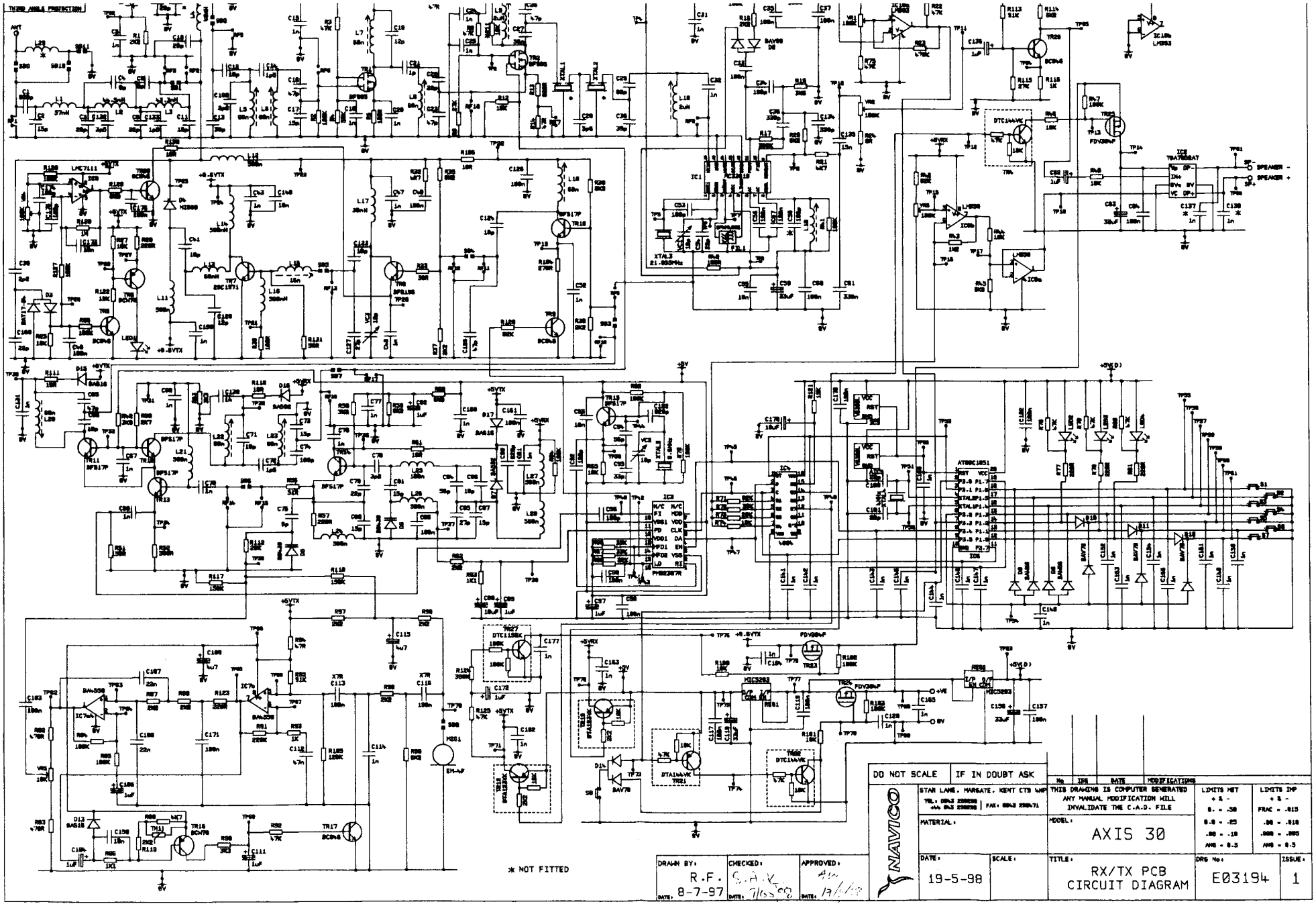
THIRD ANGLE PROJECTION
* NOT FITTED
DO NOT SCALE
IF IN DOUBT ASK
NAVICO
STAR LANE, MARGATE, KENT CT9 4NP
THIS DRAWING IS COMPUTER GENERATED
ANY MANUAL MODIFICATION WILL
INVALIDATE THE C.A.D. FILE
LIMITS MET
LIMITS INP
MATERIAL:
MODEL:
AXIS 30
DRAWN BY:
R.F.
8-7-97
CHECKED:
APPROVED:
DATE:
19-5-98
SCALE:
TITLE:
RX/TX PCB
CIRCUIT DIAGRAM
DRG No:
E03194
ISSUE:
1

THIRD ANGLE PROJECTION

PCB FRONT

SURFACE MOUNT COMPONENTS

ITEM	QTY	PART No.	COMP REF	DESCRIPTION
1	1	E03195	-	PCB DRILLED
2	1	100160	R72	0805 39K
3	15	100161	R2.R15.R18.R26.R41.R47.R64.R69.R70.R84.R85 R102.R103.R126.R127	0805 100K
4	1	100162	R120	0805 1M
5	5	100163	R20.R57.R77.R79.R81	0805 220R
6	9	100166	R3.R8.R22.R75.R76.R78.R80.R92.R125	0805 47K
7	2	100167	R93.R116	0805 1K
8	3	100168	R20.R99.R114	0805 6K2
9	1	100171	R51	0805 150R
10	1	100172	R50	0805 2K7
11	2	100175	R82.R83	0805 470R
12	1	100176	R49	0805 3K9
13	2	100177	R53.R98	0805 3K3
14	1	100178	R43	0805 1K2
15	1	100179	R104	0805 270R
16	4	100181	R61.R106.R110.R111	0805 10R
17	2	100182	R9.R115	0805 27K
18	1	100183	R60	0805 22K
19	1	100184	R131	0805 56R
20	1	100185	R56	0805 51R
21	2	100186	R5.R40	0805 100R
22	2	100188	R21.R88	0805 4K7
23	10	100190	R12.R25.R27.R44.R46.R48.R74.R100.R101.R122	0805 10K
24	18	100193	R16.R37.R39.R62.R87.R89.R90.R97.R98.R119	0805 2K2
25	4	100195	R6.R7.R14.R94	0805 47R
26	1	100196	R23	0805 470K
27	2	100200	R117.R118	0805 150K
28	1	100202	R42	0805 62K
29	3	100204	R35.R38.R59	0805 8K2
30	1	100208	R52	0805 390R
31	1	100209	R105	0805 120K
32	2	100210	R73.R112	0805 20K
33	1	100213	R91	0805 220K
34	2	100214	R17.R124	0805 390K
35	1	100231	R32	0805 4R7
36	1	100256	R24	0805 0R
37	1	100259	R130	0805 10R
38	2	100275	R66.R67	0805 33K
39	1	100277	R13	0805 820R
40	2	100282	R71.R120	0805 82K
41	2	100291	R95.R113	0805 91K
42	2	100292	R19.R58	0805 3K6
43	1	100304	R33	0805 30R
44	1	100301	R38	0805 160R
45	2	100302	R63.R86	0805 1K1
46	3	100300	R45.R68.R129	0805 6K8
47	1	100305	R65	0805 18K
48	1	100299	R4	0805 56K
49	1	110102	C59	33UF 25V ELECT
50	26	110115	C5.C15.C18.C20.C24.C25.C31.C32.C43.C47 C48.C52.C67.C68.C69.C70.C76.C77.C91.C114 C120.C130.C131.C142.C166.C177	0805 1n
51	8	110116	C3.C6.C22.C54.C79.C100.C101.C169	0805 22p
52	5	110118	C34.C53.C74.C92.C96	0805 100p
53	6	110119	C2.C17.C73.C80.C81.C87	0805 15p
54	2	110120	C41.C123	0805 10p
55	3	110122	C11.C19.C129	0805 12p
56	2	110123	C9.C75	0805 6p
57	3	110125	C14.C72.C133	0805 1p5
58	2	110127	C85.C127	0805 27p

SURFACE MOUNT COMPONENTS

ITEM	QTY	PART No.	COMP REF	DESCRIPTION
59	2	110129	C13.C30	0805 39p
60	1	110130	C132	0805 3p5
61	5	110131	C16.C23.C26.C65.C125	0805 47p
62	3	110132	C27.C84.C94	0805 56p
63	3	110135	C1.C90.C122	0805 820p
64	1	110136	C29	0805 82p
65	1	110137	C4	0805 8p
66	4	110138	C55.C93.C158.C173	0805 10n
67	1	110141	C38	0805 330p
68	2	110143	C39.C168	0805 2p2
69	1	110144	C28	0805 5p6
70	1	110145	C70	0805 3p3
71	1	110152	C61	1206 330n
72	5	110153	C12.C66.C71.C86.C124	0805 18p
73	1	110154	C89	1UF ELECT TANT
74	1	110159	C95	0805 33p
75	1	110166	C21	0805 1p
76	4	110168	C82.C104.C111.C172	1UF 50V ELECT
77	2	110169	C109.C115	4U7 25V ELECT
78	2	110170	C107.C108	0805 22n
79	1	110101	C112	0805 47n
80	2	110189	C7.C10	0805 20p
81	1	110190	C135	0805 15n
82	21	110186	C33.C35.C37.C48.C49.C56.C57.C60.C64 C83.C98.C102.C103.C113.C116.C117.C119 C126.C157.C176.C178	0805 100n XR7
83	3	110103	VC1.VC2.VC3	10p SM PRESET
84	1	110100	C88	10UF ELECT TANT
85	3	120036	D13.D15.D17	BAS16T
86	1	120043	D2	BAV99
87	1	120054	D4	MI309
88	1	120056	D3	BAT17-04
89	3	120077	D1.D7.D16	BA592
90	2	120078	D5.D6	BB439
91	2	120081	D8.D9	BA456
92	4	120083	D10.D11.D12.D14	BAV70
93	5	130020	TR5.TR9.TR17.TR26.TR20	BC848
94	2	130029	TR6.TR16	BCW70T
95	2	130036	TR1.TR2	BF995
96	1	130038	TR8	BFQ195
97	6	130039	TR10.TR11.TR12.TR13.TR14.TR15	BFS17P
98	2	130053	TR18.TR19	DTA123YK
99	3	130050	TR23.TR24.TR25	FDV304P
100	2	130059	TR4.TR22	DTC144VK
101	1	130060	TR21	DTA144VK
102	1	130061	TR27	DTC115EK
103	1	140051	IC8	LM358
104	1	140069	IC10	LM393
105	1	140086	IC4	4094BT
106	2	140162	REG1.REG2	MIC5203-5.0BM4
107	1	140143	IC2	TDA7052AT
108	1	140150	IC5	V6300L
109	1	140151	IC1	MC33618D
110	1	140152	IC3	PMB2307R
111	1	140154	IC7	BA4558F
112	1	140158	IC6	AT89C1051
113	1	140161	IC9	LMC7111
114	1	150040	VR5	PRESET SM 10K
115	4	150041	VR1.VR2.VR3.VR4	PRESET SM 100K
116	1	160061	XTAL4	HC49 4MHz
117	9	240028	L11.L12.L14.L16.L21.L24.L26.L27.L28	NL322

DO NOT SCALE | IF IN DOUBT ASK

No	ISS	DATE	MODIFICATIONS

NAVICO

STAR LANE, MARGATE, KENT CT9 4NP
TEL: 0843 [illegible] | FAX: 0843 [illegible]

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LIMITS MET + & -	LIMITS IMP + & -
0. - .30	FRAC - .015
0.0 - .25	.00 - .010
.00 - .10	.000 - .005
ANG - 0.5	ANG - 0.5

MATERIAL:

MODEL: AXIS 30

DATE: 21-5-98

SCALE:

TITLE: RX/TX PCB FRONT SURFACE MOUNT ASSEMBLY DETAIL

DRG No: E03196 SHT 1 OF 4

ISSUE: 1

DRAWN BY:	CHECKED:	APPROVED:
R.F.		
DATE: 15-4-98	DATE:	DATE: