



THIRD ANGLE PROJECTION

(REF E03866:SM PCB ASSY SM:RX/TX)

DRG No :

E03866

SURFACE MOUNT COMPONENTS

ITEM	QTY	PART No.	COMP REF	DESCRIPTION
1	1	-	E02956	PCB DRILLED
2	1	100125	R2,R14,R15,R102,R106,R110,R111,R155,R171,R175,R182,R209	1206 10R
3	13	100161	R221	0605 100K
4	3	100162	R17,R113,R114	0605 1M
5	4	100163	R179,R189,R202,R216	0605 220R
6	7	100166	R7,R21,R100,R107,R148,R149,R170	0605 47K
7	9	100167	R126,R142,R143,R173,R180,R183,R217,R218	0605 1K
8	3	100168	R19,R163,R204	0605 6K2
9	1	100169	R124	0605 240R
10	2	100172	R195,R196	0605 2K7
11	2	100175	R123,R133,R152,R222	0605 470R
12	2	100177	R9,R214	0605 3K3
13	4	100181	R13,R129,R132,R136	0605 10R
14	1	100183	R115	0605 22K
15	2	100186	R4,R191	0605 100R
16	11	100188	R1,R20,R116,R122,R130,R131,R146,R165,R166,R210,R220	0605 100R
17	10	100190	R101,R104,R119,R134,R145,R159,R168,R194,R200,R212	0605 4K7
18	2	100191	R8,R223	0605 15K
19	11	100193	R16,R125,R127,R151,R157,R164,R167,R174,R213,R219,R224	0605 10K
20	1	100194	R176	0605 2M2
21	9	100195	R5,R6,R12,R135,R158,R193,R199,R201,R203	0605 470K
22	1	100196	R169	0605 470K
23	1	100197	R184	0605 2K
24	1	100203	R118	0605 1K5
25	3	100204	R112,R128,R150	0605 8K2
26	1	100206	R153	0605 680R
27	1	100209	R141	0605 120K
28	6	100231	R185,R186,R187,R188,R192,R215	0605 4R7
29	1	100262	R190	0605 5K6
30	2	100269	R147,R178	0605 330R
31	1	100275	R211	0605 33K
32	1	100277	R11	0605 820R
33	1	100291	R172	0605 91K
34	2	100292	R18,R198	0605 3K6
35	1	100300	R109	0605 6K8
36	1	100304	R227	0605 30R
37	3	100322	R137,R144,R206	0603 47R
38	2	100338	R177,R207	0603 1K
39	1	100342	R161	0603 2K2
40	2	100350	R139,R160	0603 10K
41	1	100355	R181	0603 27K
42	1	100362	R140	0603 100K
43	6	110102	C1,C14,C20,C23,C24,C30,C53,C54,C100,C102,C105,C107,C113	33UF 25V ELECT
44	47	110115	C114,C118,C119,C123,C124,C125,C126,C131,C132,C154,C156	0605 1n
			C168,C176,C180,C181,C191,C192,C194,C197,C203,C204	
			C227,C228,C229,C234,C235,C236,C251,C252,C256,C257,C259	
			C260	
			C45,C46,C49,C50,C51,C108,C147,C164,C174,C185,C189,C196	
			C198,C204,C207,C258	
			C25	
			C12,C15,C22,C153,C212	
			C28	
			C115	
			C41,C52,C151,C200,C233,C261	
			C26	
			C36	
			C111,C134,C186	
			C7,C112	
			C140	
			C43	
			C2,C9,C11,C127	
			C3,C19,C264,C267	
			C42,C160,C165,C187,C208,C230	
			C152,C155,C195,C199	
			C157,C159	
			C5,C120,C133	
			C27	
			C169	
			C190	
			VC1,VC2,VC3,VC103	
			C37,C38,C167	

SURFACE MOUNT COMPONENTS

ITEM	QTY	PART No.	COMP REF	DESCRIPTION
74	7	110194	C135,C142,C144,C145,C182,C183,C210	0603 1n
75	3	110199	C44,C138,C170	0603 100n
76	1	110212	C139	0603 12p
77	2	110213	C137,C141	0603 15p
78	1	110219	C136	0603 47p
79	1	110222	C143	0603 82p
80	1	120036	D3	BA516T
81	1	120043	D2	BAV99
82	1	120077	D103	BA592
83	3	120078	VC101,VC102,VC104	BA439
84	2	120080	D101,D102	BAT54S
85	4	130028	TR113,TR117,TR119,TR120	BC846
86	1	130029	TR116	BCW70
87	1	130034	TR114	BSR31
88	1	130036	TR2	BF995
89	1	130037	TR1	BF998
90	1	130038	TR100	BF619S
91	6	130039	TR101,TR102,TR103,TR104,TR105,TR118	BF619S
92	1	130044	TR111	BC607
93	1	130053	TR107,TR108,TR109,TR112,TR115	D1A123YK
94	5	130054	TR106	DTC123YK
95	1	130058	IC101	ND5304P
96	1	140051	IC101	LM358
97	1	140075	IC4	PC357
98	1	140092	IC107	TA78L05F
99	1	140148	IC106	HC4011B
100	1	140151	IC1	MC3661B
101	1	140152	IC105	PM82307R
102	1	140154	IC104	BAV558
103	3	150037	VR100,VR101,VR102	P0Z3KN 10K
104	4	240028	L100,L115,L116,L117	TDK NL32322T 560n

CONVENTIONAL MOUNT COMPONENTS

ITEM	QTY	PART No.	COMP REF	DESCRIPTION
105	1	100116	TH1	5K NTC THERMISTOR
106	3	110015	C40,C48,C161	100UF 50V ELECT
107	1	110176	C148	4700UF 50V RADIAL ELECT
108	1	120011	D105	1N5401
109	1	120022	D104	1N5819
110	1	120025	D1	MI308
111	1	120034	D100	MI407
112	1	140155	IC103	MC7808CT
113	1	160005	XTAL4	LT1K33-455E
114	1	160006	XTAL3	21.855MHz HCU9U
115	2	160018	XTAL1,XTAL2	21.4MHz XTAL FILTER UM-1
116	1	160058	XTAL101	9.6MHz HCU9U
117	1	170179	J51	MIN JACK SOCKET
118	2	170180	PL61,PL62	BMAY 2mm
119	2	170181	PL63,PL64	2MAY 2mm
120	1	240049	L113	16nH INDUCTOR
121	4	300014	OVER L1,L2,L3,L4	7mm STYLE CAN
122	2	E02909	-	INSULATOR
123	1	E03163	L103	5T 3.0i/d 0.8 Air cored coil 51nH
124	5	E03164	L5,L6,L104,L106,L108	6T 4.5i/d 0.8 Air cored coil 120nH
125	2	E03168	L101,L102	10.5T 5.0mm/d 0.8 Air cored coil 1uH
126	1	E03169	CH1	3.3uH 5amp Choke
127	6	E03170	L7,L8,L9,L11,L109,L110	68nH Adjustable Coil
128	2	E03171	L13,L14	24H Adjustable Coil
129	1	E03172	L16	1000uH/120pF Adjustable coil 48nH
130	2	E03373	L3,L4	5.5T 3.0i/d 0.8 Air cored coil 48nH
131	2	E03374	L1,L2	6.5T 3.5i/d 0.8 Air cored coil 56nH

R23,R24,R25,D1(M1809)
D100(M1809),C39,C184,
C201,C216,C231,C270
C273,C274 NOT FITTED

DRAWN BY: R.F.	CHECKED: *	APPROVED: *
DATE: 17-05-00	DATE:	DATE:

DO NOT SCALE		IF IN DOUBT ASK		No		DATE		MODIFICATIONS		LIMITS MET		LIMITS IMP	
STAR LANE, MARGATE, KENT CT9 4NP		TEL: 0843 280290 FAX: 0843 280471		THIS DRAWING IS COMPUTER GENERATED		ANY MANUAL MODIFICATION WILL		INVALIDATE THE C.A.D. FILE		0. = .50		+ 2. -	
MATERIAL:		MODEL:		DATE:		SCALE:		TITLE:		0.0 = .25		.00 = .010	
22-06-00		RD68M		RX/TX PCB (FRONT)		ASSEMBLY DETAIL		E03866		.00 = .10		.000 = .005	
DATE: 17-05-00		DATE:		DATE:		DATE:		DATE:		ANG = 0.5		ANG = 0.5	
DATE: 17-05-00		DATE:		DATE:		DATE:		DATE:		ANG = 0.5		ANG = 0.5	

