

27 JUNI 1988



PC2 / PC3

Schalbilder

Parts List (nur für Händler)

Angaben mit * gelten nur für PC3

ATMC ENGINEERING BILL OF MATERIAL

DATE :02/03/88
SHEET: 1 OF 2

PRODUCT : SAS-074-XXX PCB SUB-ASSY PC3
NEXT ASSEMBLY : AS-069-01-XXX PCBA WIP-1 PC3

-001 COMMON

REV. 1:PER ECN #1719

REV. 2:PER ECN #1845

NO.	PART NUMBER	DESCRIPTION	LOCATION	QTY -001
1	C070157-001	CAP; 10uF+-20% 16V	ELEC RADIAL C227,230	2
3	C070499-001	CAP; 22uF+-20% 16V	ELEC AXIAL C71	1
5	C070499-003	CAP; 47uF+-20% 16V	ELEC AXIAL C200,201,203-217,219,221 223,236-239	24
7	AI-070-001	AI BOARD (PC3)		1
10	C101007-330	RES; NETWORK, 33 ohm X 5	RF3,5-7	4
13	C070567-006	RES; NETWORK, 1K ohm X 8	RP1	1
15	C070159-005	RES; NETWORK, 4.7K ohm X 7	RP2,4	2
17	C101403-002	NOISE FILTER, ZJS5102-471	L5-16	12
19	C070241-002	NOISE FILTER, ZJS5102-02	L2-4,30-37,40-47,60-66	26
21	34-2H3904	TRANSISTOR, 2N3904	Q3,4,5,6,10,11,12,13,14,15	10
23	C101806	TRANSISTOR, 2N2222A ALT.-34-2N3904	Q10,11	AR
25	C102205	CRYSTAL; 24.000MHz	Y3	1
27	C100362	CRYSTAL; 16.257MHz	Y2	1
29	C100361	CRYSTAL; 19.257MHz	Y1	1
31	C070032	CRYSTAL; 14.31818 MHz	Y5	1
33	C102201	CRYSTAL; 16MHz	Y4	1
35	C100232	CRYSTAL; 32.768KHz	Y6	1
37	C101674	IC; 8088,CPU	U69	1
39	C101676	IC; 8253A, INTERVAL CONTROLLER	U79	1
41	C101677	IC; 8259A, INTERRUPT CONTROLLER	U30	1
43	C101675	IC; 8237A, DMA, CONTROLLER	U70	1
45	C101692	IC; 8272A, FLOPPY DISK CONTROLLER	U8	1
47	C101680	IC; SSI 441 DATA SYNCHRONIZER	U7	1
49	C101678	IC; 8250, ASYNCHRONOUS COMMUNICATINS ELEMENT	U56	1
51	C070661	IC; 74S51, AND-OR-INVERTOR	U40	1
53	C101610-157	IC; 74S157, DATA SELECTOR	U50,72,81	3
55	C070210	IC; TTL 7406 HEX INVERTER W/OPEN COLLECTOR	U4,17	2
57	C070740	IC; 74LS00, QUAD NAND	U10	1
59	C014340	IC; 74LS02, QUAD NOR	U105	1
61	C017096	IC; 74LS04, HEX INVERTER	U3,80	2
63	C017242	IC; 74LS05, HEX INVERTER W/OPEN COLLECTOR	U1	1
65	C017097	IC; 74LS08, QUAD 2-INPUT AND GATE	U15	1
67	C061950	IC; 74LS14, HEX INVERTER SCHMITT TRIGGER	U41,62	2
69	C014342	IC; 74LS20, DUAL 4-INPUT NAND	U39	1
71	C014362	IC; 74LS32, QUAD 2-INPUT OR GATE	U38,100	2
73	C070549	IC; 74LS74, DIAL D-F,F	U78,91	2
75	C016543	IC; 74LS125, 3-STATE BUS BUFFER	U29	1
77	C101611-138	IC; 74LS138	U101	1
79	C018032	IC; 74LS139, DECODER	U13	1
81	C101611-157	IC; 74LS157, DATA SELECTOR	U6	1
83	C016545	IC; 74LS174, HEX D-F,F	U26	1
85	C101611-175	IC; 74LS175, QUAD D-F,F	U71	1

A T A R I PC2 / PC3
ERSATZTEILLISTE

SEITE : 1 v. 5

AT&T ENGINEERING BILL OF MATERIAL

SHEET: 2 OF 2

PRODUCT : SAS-074-XXX PCB SUB-ASSY PC3
 NEXT ASSEMBLY : AS-069-01-XXX PCBA WIP-1 PC3

NO.	PART NUMBER	DESCRIPTION	LOCATION	QTY -001
87	C070485	IC; LS240, 3-STATE LINE BUFFER	U1	1
89	C014313	IC; LS244, 3-STATE LINE BUFFER	U5,10,19,24,27,31,33,42,45-47,58	12
91	C061689	IC; 74LS245, BUS TRANCEIVER	U2,9,41,77,102	5
93	C061687	IC; 74LS273, OCTAL D-F,F	U14	1
95	C025992	IC; 74LS373, TRANSPARENT LATCH	U57,59	2
97	C070925	IC; 74LS374, OCTAL D-TYPE FLIP-FLOPS	U11,25,43	3
99	C101614-004	IC; 74HC04	U200	1
101	C101614-153	IC; 74HC153, DATA SELECTOR	U18	1
103	C070666	IC; MC3487, LINE DRIVER	U28	1
105	C025986	IC; 1488,RS-232C, DRIVER	U48	1
107	C025987	IC; 1489,RS-232C, RECEIVER	U49,55	2
109	C025991	IC; 256K X 1 bit DRAM 150ns 16-pin	U51-54,64-67,73-76,82-85	16
111	C101685-002	IC; D-RAM, 64K X 4, 120ns	U20-23,34-37,87-90	12
113	C101685-003	IC; D-RAM, 64K X 4, 100ns	ALT. C101685-002	AR
115	C101694	IC; 146818	U103	1
117	C101693	IC; 14069UB	U104	1
121	C101681	IC; PAL20L10	U60	1
125	C070033	CONN; 5 PIN DIN KEYBOARD	J1	1
127	C070131	CONN; 14 PIN DIN EXT. FLOPPY DISK	J3	1
129	C070644-001	PIN HEADER, BOUBLE ROW, 34 PINS	J4	1
131	C100387-221	CONN; DB-9S, VIDEO	J5	1
133	C070132-002	CONN; PIN TYPE DB-25P, RS-232C	J9	1
135	C070133-002	CONN; SOCKET TYPE DB-25S PARALLEL	J7	1
137	C019062	CONN; RIGHT ANGLE POST CONTACT "D" 9 PIN	J10	1
139	C100013-001	CONN; SINGLE INLINE CONNECTOR 2 PIN SPEAKER	J11	1
141	C101930-009	CONN; STRAIGHT PIN FRICTION LOCK HEADER 11 CIRCUITS	J20	1
143	C101902-003	CONN; 62 PIN CARD EGDE	J21-24,26	5
145	C101904	BATTERY CONN. 4 PIN	J25	1
147	C101923-002	PIN HEADER STRAIGHT 3 PIN	J13	1
151	C014386-09	SOCKET, 40 PIN	FOR U68	1
153	C014386-08	SOCKET, 28 PIN	FOR U61	1
155	C100307-035	CONN; PIN HEADER SIP 2 PIN	U5	1
157	C100307-003	CONN; PIN HEADER SIP 5 PIN	U2,4	2
159	C100307-001	CONN; PIN HEADER SIP 3 PIN	U1	1
165	C100384-001	SOCKET, 34 PIN PLCC	FOR U63	1
167	C014386-04	SOCKET, 18 PIN	FOR U87,88,89,90	4
170	51-002-01	SOLDER BAR		AR
172	10-9009	SOLDER BAR		AR
174	30-007	THINNER #4662		AR
175	44-001-40	JUMPER WIRE 2.5cm WHITE		6
176	44-001-41	JUMPER WIRE 3cm YELLOW		3
177	44-001-42	JUMPER WIRE 10cm ORANGE		1
178	44-001-43	JUMPER WIRE 19cm LIGHT GREEN		1

A T A R I PC2 / PC3
 ERSATZTEILLISTE

SEITE : 2 v. 5

ATMC ENGINEERING BILL OF MATERIAL

SHEET: 2 OF 2

PRODUCT : AI-070-XXX AI BOARD PC3
 NEXT ASSEMBLY : SAS-074-XXX PCB SUB-ASSY PC3

NO. PART NUMBER	DESCRIPTION	LOCATION	QTY -001
87 C070471-002	INDUCTOR; 220uH, 10%, AXIAL	L20	1
89 C014384	INDUCTOR; FERRITE BEAD, AXICAL	L1, 23, 24, 25, 26, 27, 28, 29, 50, 51, 52, 53, 54, 55, 56, 58, 59	17
91 31-1N4001	DIODE; 1N4001	CR5	1
93 C060607	DIODE, SILICON (SWITCHING) 1N4148	CR4, 10, 20, 22, 23, 24	6
95 C101810	DIODE; MBD701 ALT.-C060607	CR23, 24	AR
97 C101811	DIODE; 1N4736	CR21	1
99 30-012-08	CLEANER (FOR STENCIL CLEANING)		AR
101 C101702	IC; EGA CHIP	U32	1

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SEITE : 3 v. 5

ATMC ENGINEERING BILL OF MATERIAL

DATE : 12/24/87
SHEET: 1 OF 2

P R O D U C T : AI-070-XXX AI BOARD PC3
NEXT ASSEMBLY : SAS-074-XXX PCB SUB-ASSY PC3

REV. 1:PER ECN #1719

-001 COMMON

NO.	PART NUMBER	DESCRIPTION	LOCATION	QTY -001
1	C100811	SCHEMATIC DIAGRAM PC3		REF
3	C100596	PCB FABRICATION PC3		REF
5	C100812	PCB PC3		1
7	30-012-06	SOLDER PASTE		AR
10	30-012-07	SOLDER PASTE		AR
13	C014179-28	CAP; 18pF, CERAMIC AXIAL LEAD 50V NPO CH	C5,10,15,19,146,147,149,150	3
15	C014179-11	CAP; 27pF, CERAMIC AXIAL LEAD 50V NPO CH	C228	1
17	C014179-05	CAP; 47pF, CERAMIC AXIAL LEAD 50V NPO CH	C1	1
19	C014179-29	CAP; 180pF, CERAMIC AXIAL LEAD 50V NPO CH	C136	1
21	C014180-17	CAP; 1000pF, 25V, +-20%, X, CER, AXIAL	C12,13,148,151	4
23	C101211-332	CAP; 3300pF, CER, AXIAL +-10% 50V, V	C137	1
25	C101211-472	CAP; 4700pF, CER, AXIAL +-10% 50V, V	C229	1
27	C014181-02	CAP; 0.01uF, CERAMIC AXIAL LEAD 25V Z	C106	1
29	C070480-001	CAP; 0.1uF, 25V, -20+80% AXIAL SHORT BODY	C2-4,8,9,11,14,16-18,21,23-27, 29-33,38-49,51,52,57-70,72,73, 78-91,118-120,125-128	73
31	C070480-001	CAP; 0.1uF, 25V, -20+80% AXIAL SHORT BODY	C142,143,218,220,222,224-226, 231-235,300	14
33	C101207-224	CAP; 0.22uF, MULTILAYER CERAMIC AXIAL 50V 25U	C34-37,53-56,74-77,86-89,98-105, 107,121,122,123,124,135	30
35	14-5330	RES; 33 ohm, CARBON, 1/4 W, 5%, AXIAL	R25,26,41,67,91,92,93,94,95	9
41	14-5680	RES; 68 ohm, CARBON, 1/4 W, 5%, AXIAL	R24,27,28,200	4
43	14-5101	RES; 100 ohm, CARBON, 1/4 W, 5%, AXIAL	R106-115	10
45	14-5121	RES; 120 ohm, CARBON, 1/4 W, 5%, AXIAL	R38	1
47	14-5181	RES; 180 ohm, CARBON, 1/4 W, 5%, AXIAL	R63,64,74	3
49	14-5221	RES; 220 ohm, CARBON, 1/4 W, 5%, AXIAL	R7,11,12,16,73,78,79	7
51	14-5751	RES; 750 ohm, CARBON, 1/4 W, 5%, AXIAL	R42	1
53	14-5102	RES; 1 K ohm, CARBON, 1/4 W, 5%, AXIAL	R56,58,59,61,68,69,102	7
55	14-5122	RES; 1.2K ohm, CARBON, 1/4 W, 5%, AXIAL	R57	1
57	14-5202	RES; 2 K ohm, CARBON, 1/4 W, 5%, AXIAL	R9,15,20,30,72,77	6
59	14-5222	RES; 2.2K ohm, CARBON, 1/4 W, 5%, AXIAL	R4,80,100	3
61	14-5472	RES; 4.7K ohm, CARBON, 1/4 W, 5%, AXIAL	R19,32,33,34,35,116,117,118	8
63	14-5512	RES; 5.1K ohm, CARBON, 1/4 W, 5%, AXIAL	R62	1
65	14-5103	RES; 10K ohm, CARBON, 1/4 W, 5%, AXIAL	R1,2,3,5,6,17,18,21,22,21,55,101, 104	13
67	14-5203	RES; 20K ohm, CARBON, 1/4 W, 5%, AXIAL	R23	1
69	C101004-3902	RES; 39K ohm, METAL, 1/4 W, 1%, AXIAL	R54	1
71	C101004-5762	RES; 57.6Kohm, METAL, 1/4 W, 1%, AXIAL	R53	1
73	14-5914	RES; 100Kohm, CARBON, 1/4 W, 5%, AXIAL	R8,13,70,75	4
75	14-5105	RES; 1M ohm, CARBON, 1/4 W, 5%, AXIAL	R10,14,71,76	4
77	14-5205	RES; 2M ohm, CARBON, 1/4 W, 5%, AXIAL	R105	1

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ATMC ENGINEERING BILL OF MATERIAL

DATE : 02/01/88
SHEET: 1 OF 1

PRODUCT : AS-069-01-XXX PCBA WIP-1 PC3
NEXT ASSEMBLY : AS-069-02-XXX PCBA BURN-IN PC3

-001 COMMON

REV. 1:PER ECN #1719

REV. 2:PER ECN #1845

NO.	PART NUMBER	DESCRIPTION	LOCATION	QTY REQUIRED PER VERSION -001
1				
3	C100385-003	SWITCH, DIP SWITCH RIGHT ANGLE 4 CIRCUIT	SW1	1
5	C070761	SHUNT SOCKET	W1(2-3),W2(2-3,4-5) W4(1-2,3-4)	5
7	C101814	MICRO FUSE 5A	F1	1
9	C101683	IC; PC GLUE CUSTOM	U63	1
11	C100211-008	EPROM LABEL		REF
13	SAS-074	PCB SUB ASSY		1
15	C101701-004	IC; ROM APC BIOS 3.08 (WITH EPROM LABEL)	U61	1

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SEITE : 5 ✓ 5