

PREFACE

The following is a Parts List for the Microtape Peripheral to the ALC products. It is subject to change at any time. Changes and corrections should be directed to Jerry Robinson at X2997.

SECTION 1

MICROTAPE PARTS LIST
RESISTORS

R1	18K	1/4 W.	+/-5%	1500773-087	.005	Carbon Film	1		
R2	18K	1/4 W.	+/-5%	1500773-087	.005		1		
R3	18K	1/4 W.	+/-5%	1500773-087	.005		1		
R4	18K	1/4 W.	+/-5%	1500773-087	.005		1		
R5	18K	1/4 W.	+/-5%	1500773-087	.005		1		
R6	18K	1/4 W.	+/-5%	1500773-087	.005		1		
R7	383K	1/4 W.	+/-1%	1500631-412	.017	Metal Film	1		
R8	49.9K	1/4 W.	+/-1%	1500631-328	.017		1		
R9	10K	1/4 W.	+/-5%	1500773-081	.005		1		
R10	680	1/4 W.	+/-5%	1500773-053	.005		1		
R11	22K	1/4 W.	+/-5%	1500773-089	.005		1		
R12	470	1/4 W.	+/-5%	1500773-049	.005		1		
R13	2.2K	1/4 W.	+/-5%	1500773-065	.005		1		
R14	510K	1/4 W.	+/-5%	1500773-122	.005		1		
R15	205K	1/4 W.	+/-1%	1500631-386	.017		1		
R16	100K	1/4 W.	+/-1%	1500631-356	.017		1		
R17	2.21K	1/4 W.	+/-1%	1500631-197	.017		1		
R18	82.5K	1/4 W.	+/-1%	1500631-348	.017		1		
R19	1.5M	1/4 W.	+/-5%	1500773-133	.005		1		
R20	510K	1/4 W.	+/-5%	1500773-122	.005		1		
R21	100K	1/4 W.	+/-5%	1500773-105	.005		1		
R22	36.5K	1/4 W.	+/-1%	1500631-314	.017		1		
R23	13.0K	1/4 W.	+/-1%	1500631-271	.017		1		
R24	100K	1/4 W.	+/-5%	1500773-105	.005		1		
R25	510K	1/4 W.	+/-5%	1500773-122	.005		1		
R26	510K	1/4 W.	+/-5%	1500773-122	.005		1		
R27	510K	1/4 W.	+/-5%	1500773-122	.005		1		
R28	1M	1/4 W.	+/-5%	1500773-129	.005		1		
R29	10M	1/4 W.	+/-5%	1500773-___	.005		1		
R30									
R31	22	1/4 W.	+/-5%	1500773-017	.005		1		
R32	47K	1/4 W.	+/-5%	1500773-097	.005		1		
R33	220K	1/4 W.	+/-5%	1500773-113	.005		1		
R34	511	1/4 W.	+/-1%	1500631-136	.017		1		
R35	2.74K	1/4 W.	+/-1%	1500631-206	.017		1		
R36	2.74K	1/4 W.	+/-1%	1500631-206	.017		1		
R37	4.7K	1/4 W.	+/-5%	1500773-073	.005		1		
R38	510K	1/4 W.	+/-5%	1500773-122	.005		1		
R39	100K	1/4 W.	+/-5%	1500773-105	.005		1		
R40	10M	1/4 W.	+/-5%	1500773-___	.005		1		
R41	49.9K	1/4 W.	+/-1%	1500631-328	.017		1		

MICROTAPE PARTS LIST

R42	100K	1/4 W, +/-5%	1500773-105	.005	1
R43	10K	1/4 W, +/-5%	1500773-081	.005	1
R44	390	1/4 W, +/-5%	1500773-047	.005	1
R45	390	1/4 W, +/-5%	1500773-047	.005	1
R46	13.0K	1/4 W, +/-1%	1500631-271	.017	1
R47	13.0K	1/4 W, +/-1%	1500631-271	.017	1
R48	82.5K	1/4 W, +/-1%	1500631-348	.017	1
R49	82.5K	1/4 W, +/-1%	1500631-348	.017	1
R50	4.99K	1/4 W, +/-1%	1500631-231	.017	1

TOTAL RESISTOR COST \$0. ____

Capacitors

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| C1 | 0.01mF | -20/+80% | 1500499-066 | .02475# | (#=tape reel) | 1 |
| C2 | 47mF | -20/+20% | 1500400-121 | .08571# | KM16T047 | 2 |
| C3 | 39pF | -10/+10% | 1500499- | .02650# | | 1 |
| C4 | 0.1mF | -20/+80% | 1501701-122 | .04500# | | 1 |
| C5 | 100mF | -20/+20% | 1500400-110 | .08571# | KM10T100 | 2 |
| C6 | 0.1mF | -20/+80% | 1501701-122 | .04500# | | 1 |
| C7 | 220mF | -20/+20% | 1500400-111 | .08571# | KM10T220 | 2 |
| C8 | 22pF | -5/+5% | 1500499-030 | .03150# | | 1 |
| C9 | 0.1mF | -20/+80% | 1501701-122 | .04500# | | 1 |
| C10 | 0.01mF | -20/+80% | 1500499-066 | .02475# | | 1 |
| C11 | 22pF | -5/-5% | 1500499-030 | .03150# | | 1 |
| C12 | 120pF | -5/+5% | 1500499-045 | .02475# | | 1 |
| C13 | 10mF | -10/+50% | 1501017-023 | .05200# | | 1 |
| C14 | 0.1mF | -20/+80% | 1501701-122 | .04500# | | 1 |
| C15 | 1000pF | -10/+10% | 1500499-056 | .02450# | | 1 |
| C16 | 2200pF | -30/+30% | 1500499-060 | .02650# | | 1 |
| C17 | 33pF | -5/+5% | 1500499-034 | .03150# | | 1 |
| C18 | 10mF | -10/+50% | 1501017-023 | .05200# | | 1 |
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TOTAL CAPACITOR COST \$0. _____

MICROTAPE PARTS LIST

Misc. Components: Inductors, Switches, Motor, Connectors, Crystals, etc.

L1	350uH	Inductor, Coilcraft	1501533-003	.173	Motor Inductor	
L2	1.0mH	Inductor,	_____	.10	+5V Inductor	
S1	DPDT	Switch, On/Off	1501222-001	.18	On/Off Switch	
S2	Rotary	Switch, EECD, Octal	1500421-001	1.90	Device Select	
M1		Motor	1500370-001	7.00	Namiki	
Head		Read/Write Data Head	1048968-001	3.00	Namiki	
CN1	8 Pin		1044501-001	.15	IPB Connector	
CN2	8 Pin		1044501-001	.15	IPB Connector	
CN3	12 Pin	Connector, Flex	1039059-012	.12	H/M/Snsr/Sw	
CN5	2 Wire	Connector, Power	1500073-003	.14	External Power	
Cable	8 Line	Cable, IPB I/O	1044500-001	3.76	IPB Cable	
CT1		Inductor Cable Tie	_____	.01	(Delete if glued down)	
PCB		PC Board	1048954-001	2.25		
Flex1		Head/Motor/etc. con.	1033425-____	1.25	Flex Circuit	
CN4	Flex	PCB Jumper Cable	1033425-____	.41	Flex Circuit	
Z1		3.58 Mhz Ceramic Res.	1500346-358	.19		
BATT	"AA"	Varta, Alkaline type	1020084-002	.163		
BATT	"AA"	Varta, Alkaline type	1020084-002	.163		
BATT	"AA"	Varta, Alkaline type	1020084-002	.163		
BATT	"AA"	Varta, Alkaline type	1020084-002	.163		

TOTAL MISC. COST \$_____

TOTAL ELECTRONICS COST \$ _____

Capacitors

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*****
| C1 | 0.01mF | -20/+80% | 1500499-066 | .02475# | (#=tape reel) | 1 |
| C2 | 47mF | -20/+20% | 1500400-121 | .08571# | KM16T047 | 2 |
| C3 | 39pF | -10/+10% | 1500499- | .02650# | | 1 |
| C4 | 0.1mF | -20/+80% | 1501701-122 | .04500# | | 1 |
| C5 | 100mF | -20/+20% | 1500400-110 | .08571# | KM10T100 | 2 |
| C6 | 0.1mF | -20/+80% | 1501701-122 | .04500# | | 1 |
| C7 | 220mF | -20/+20% | 1500400-111 | .08571# | KM10T220 | 2 |
| C8 | 22pF | -5/+5% | 1500499-030 | .03150# | | 1 |
| C9 | 0.1mF | -20/+80% | 1501701-122 | .04500# | | 1 |
| C10 | 0.01mF | -20/+80% | 1500499-066 | .02475# | | 1 |
| C11 | 22pF | -5/-5% | 1500499-030 | .03150# | | 1 |
| C12 | 120pF | -5/+5% | 1500499-045 | .02475# | | 1 |
| C13 | 10mF | -10/+50% | 1501017-023 | .05200# | | 1 |
| C14 | 0.1mF | -20/+80% | 1501701-122 | .04500# | | 1 |
| C15 | 1000pF | -10/+10% | 1500499-056 | .02450# | | 1 |
| C16 | 2200pF | -30/+30% | 1500499-060 | .02650# | | 1 |
| C17 | 33pF | -5/+5% | 1500499-034 | .03150# | | 1 |
| C18 | 10mF | -10/+50% | 1501017-023 | .05200# | | 1 |
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TOTAL CAPACITOR COST \$0. _____

Active Components - Integrated Circuits, Diodes, Transistors, and Sensors

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Q1 : PNP Transistor, SKA 1872 1501062-002 0.067 PNP 1
Q2 : PNP Transistor, SKA 1872 1501062-002 0.067 PNP 1
U1 : IOBC IC, IPB CONTROL CHIP 1052911-001 2.600
U2 : INV-BFR IC, MM74C240N (CMOS) 1500412-002 .790
U3 : XOR IC, CD4070BC (CMOS) - .130
U4 : OP AMP IC, TL082CP 1501261-002 .400
U5 : NOR IC, MM74C02N (CMOS) - .140
U6 : REG IC, RC4193NB 1500385-001 1.250
U7 : CPU IC, TMS 70C20 (CMOS) 1500388-001 6.500
U8 : CMP IC, LM339N 1500416-003 .280
D1 : DIODE, 1N4148 1500529-001 0.015 1
D2 : DIODE, 1N4148 1500529-001 0.015 1
D3 : DIODE, 1N270 1501536-001 .079 Germanium 1
D4 : DIODE, 1N270 1501536-001 .079 Germanium 1
D5 : DIODE, 1N4148 1500529-001 .015 1
D6 : DIODE, 1N4148 1500529-001 .015 1
D7 : DIODE, 1N4148 1500529-001 .015 1
D8 : DIODE, 1N4148 1500529-001 .015 1
D9 : DIODE, 1N4148 1500529-001 .015 1
D10 : LED, AND 205Y 1500373-001 .160 Yellow LED 2
D11 : DIODE, 1N270 1501536-001 .079 Germanium 1
SENS1 : Reflective Sensor - 0.75
SENS2 : Reflective Sensor - .75
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TOTAL ACTIVE DEVICE COST \$ _ _ _