



2507 HOWARD LANE, AUSTIN, TX 78728

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MiniMac Wash Parts List

Item	Description
02005101	C161 CMOS 16 bit processor 16MHz
02034504	93C66 EEPROM SMD
02035522	28F400, 256Kx16 flash PROM, PSOP 44
02050122	74 HCT 595 serial Octal LATCH ,SMD
02050303	74 HC 14 HEX inverting Schmitt Trig,SMD
02100202	LM 358 Dual opamp, SMD
02105203	78M05 5V/0.5A Voltage Stab , SMD
02105205	L7805 5V/1A Voltage Stab , SMD
02105250	LM317L, 100mA voltage reg.,SMD
02120302	D/A Converter 8 Chan 8 bit , serial
02121005	Dual Microstep Driver, PBL 3775N, DIP
02121010	ULN2803A stepmotor driver, standard
02121601	ADM 706 AR, supervisory circuit, SMD
02121805	75C176 BiCMOS RS485 Transceiver SMD
02300401	BC 847B , SMD
04020328	2.2 nF 250V Y2 film capacitor
04020344	220nF, X2, 250V film capacitor
04030079	20uF, 250V, 50-60Hz capacitor w/ 500mm wires
04040256	4700uF, 25V, electrolytic, radial
04040552	2200uF, 50V, electrolytic, radial
04050217	27pF, 63V, ceramic, SMD
04051136	1nF, 50V, ceramic, SMD 0603
04051160	100nF, 16V, ceramic, SMD 0603
04082112	1uF, 16V, tantalium, SMD
04082116	2.2uF, 16V, tantalium, SMD
04170000	0 OHM RESISTOR, SMD
04170200	10 Ohm, resistor, SMD
04170372	560 Ohm resistor, SMD, 1206



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04170416	1K5 Ohm resistor, SMD, 1206
04170448	3K3 Ohm resistor, SMD, 1206
04170464	4K7 OHM RESISTOR, SMD
04170524	18K OHM RESISTOR, SMD
04170616	150K OHM RESISTOR, SMD
04171116	1.5 OHM RESISTOR, SMD 0.25W
04171132	2.2 OHM RESISTOR, SMD 0.25W
04171148	3.3 OHM RESISTOR, SMD 0.25W
04171324	180 OHM RESISTOR, 1% ,SMD
04171348	330 OHM RESISTOR, 1% ,SMD
04171372	560 OHM RESISTOR, 1% ,SMD
04171540	27K OHM RESISTOR, 1% ,SMD
04171580	68K OHM RESISTOR, 1% ,SMD
04171700	1M OHM RESISTOR, 1% ,SMD
04176340	560R OHM, resistor, 1% 1/10W, SMD 0603
04176372	560R OHM RESISTOR, 1% 1/10W, SMD 0603
04176432	2K2 Ohm resistor, 1% 0.1W, SMD 0603
04176440	2K7 OHM RESISTOR, 1% 1/10W, SMD 0603
04176464	4K7 Ohm resitor, 1% 0.W, SMD 0603
04176480	6K8 Ohm resitor, 1% 0.1W, SMD 0603
04176488	8K2 OHM RESISTOR, 1% 1/10W, SMD 0603
04176500	10K OHM RESISTOR, 1% 1/10W, SMD 0603
04176532	22K OHM RESISTOR, 1% 1/10W, SMD 0603
04176564	47K OHM RESISTOR, 1% 1/10W, SMD 0603
04176716	1M5 Ohm resistor, 1% 0.1, SMD 0603
04200201	100 ohm resistor, 1W, SMD
04301001	BAS32L-115 (1N4148) , SMD
04302003	Diode bridge, PBU603
04307002	6V8, diode transil
04307004	Diode transil, 10V



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04307008	Diode transil, 27V
04307010	Diode transil, 33V
04311002	LED 3mm Red
04312021	Display 3x7 segment, 14mm
04350014	X-tal 16MHz
04350101	Spacer isolation for X-tal
04400413	Noise sup choke, H 2x0.5mH, 4.5
04520004	Step-up 150W; 10,5V/20VA, 24V/48VA
04540002	Ballast, 150W, 230V, 50Hz, 210/230V, 60Hz
05000001	Relay, 12V, 16A, single, high current
05020010	Fuse 2.5AT
05020013	Fuse 3.15 AT, high I*I*t
05030001	Fuse holder PCB, plastic support
05040003	Thermostat, 100 degrees C, open
05120014	Socket-IC 22 pin , 4 modules ,tulip
05120701	Jumper, 2 pole, 2.54mm spacing
05123001	XLR female 3-pin chassis, PCB, angle, gold
05143001	XLR male 3-pin chassis, PCB, angle, gold
05144002	Header 2 pole 2.54mm PCB
05144004	Header 4 pole, 2.54mm, PCB , coded
05144006	Header 6 pole, 2.54mm
05144012	Header 2 pole 5.0mm molex PCB
05144014	Header 4 pole 5.0mm molex PCB
05144060	Header, 40 pole, PCB sil
05144106	Plug 6 pole PCB sil , angle , coded
05144112	Header angle 2 pole 5.0mm molex PCB
05144116	Header angle 6 pole 5.0mm molex PCB
05149001	Spade plug 6.3mm male , PCB
05149002	Spade plug 6.3mm male , angle PCB
05221205	Socket, halogen lamp, GY9.5, 400mm wire



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05247202	AC socket, IEC, chassis mount, w/o fuse holder
05247204	Fuse holder for P/N 05247202
05323516	Plug, 6 pole, female, angle, yellow, 0.12-0.14#
05323522	Plug MTA female angle, wire, 2 pole, natural, 0.20-0.22#
05324212	Crimp, term housing, 2 pole, 5.0
05324216	Crimp Term Housing 6 pole, for 319887/89
05324224	Crimp terminal house, 4 pole
05328202	Cable plug, 2.8mm housing, faston
05328203	Cable plug, 2.8mm, female, single, faston
05328405	Cable plug, 6.3 mm female, single, faston, insulated
05501201	Tact Switch SMD h = 9.5mm
05503402	Switch 2pol PCB straight,
05503403	Switch 5pol PCB straight,
05520503	Micro switch, 5A, 250VAC
05701202	Steptomotor, 14PM-M204, wire 1100mm, 12mm shaft
05701621	Steptomotor, NMB, standard, LC, wire
05701802	Steptomotor micro HP LN, w/o wire
05741002	Fan 12V DC Brushless 1.6"
05742001	Fan 12V DC Brushless 75 x 75mm Centrifugal, sleeve bearing
05830002	Microphone, elec. con., SKP-740
06020002	Starter 150W serial, NI 400 LE
08050402	M3x5 taptite, Phillips, ph, black
08050405	M3x10 screw, Phillips, ph
08050406	M3x12 screw, Phillips, ph, black
08050407	M3x16 screw, Phillips, ph, black
08050506	M3x16 screw, Phillips, cs, black
08050700	M3x6 taptite, Torx, ph, black
08050701	M3x8 taptite, Torx, ph, black
08050702	M3x6 screw, Torx, ph, black
08050802	M3x6 screw, Torx, cs, black



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08052601	M3 hex nut, black
08052701	M3 hex lock nut
08053807	M3x10 stand off, m/f, black
08053816	M3x23.5 stand off, f/f, black
08053820	M3x40 stand off, m/f, black
08053826	M3x30 stand off, m/f
08054301	M3 Washer
08054401	M3 lock washer, black
08070401	M4x6 screw, Phillips, black
08070407	M4x16 screw, Phillips, ph, black
08070410	M4x30 screw, Phillips, ph, black
08070503	M4x20 screw, Phillips, cs, black
08070701	M4x10 taptite, Torx, ph, black, Paint cut
08070702	M4x6 taptite, Torx, ph, black, spec
08071003	M4x12 hex cap screw, black
08071501	M4x5 set screw
08072601	M4 hex nut, black
08073601	M4 blind rivet nut, cs
08073603	M4 blind rivet nut
08074301	M4 Washer, black
08074401	M4 lock washer, black
08091001	M5x12 hex cap screw, taptite, black
08111201	M6x10 screw, Allen, black
08111203	M6x16 screw, Allen, black
08111209	M6x40 screw, Allen, black
08112601	M6 hex nut
08112701	M6 hex lock nut, PA-insert
08113604	M6 blind rivet nut
08113802	M6x55 stand off, f/f, Zn
08114401	M6 lock washer



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08131201	M8x16 screw, Allen
08131206	M8x16 screw, Torx
08131901	M8x13 lifting eye bolt, black
08132604	M8 hex nut, stainless
08133301	M8 hex weld nut
08190205	3.5x38 self-tap, ph, black
08190404	4.2x13 Self-tap, Torx, black
08200102	2.9x6.5 Plastite, ph, black
08200105	3.5x8 eco-syn, ph, black
08200106	4x8 eco-syn, ph, black
08200107	5x12 Plastite, ph, black
08200108	4x10 eco-syn, ph, black
08220102	3.2 x 7.5 mm Rivet Alu.
08220103	3.2mm x 8 Rivet Black
08220104	3.2 x 9 mm Rivet Alu.
08220108	3.2x9,5 Pop Rivet UH St.St.
08220110	3.2mm x 11,5 Rivet St. St.
08222005	Cylinder Pin 3 x 28 mm
08230109	Locking ring snap on 30mm x 1.5mm
08240104	1/4 turn fastener, screw w. spring, black
08240110	1/4 turn 6mm receptacle
08240111	1/4 turn fastener, retainer, 6mm
08240113	1/4 turn fastener, wingbolt
08240114	1/4 turn fastener, retainer
08240115	1/4 turn fastener pedestal
08240116	Cap for fastener pedestal
08261003	Spacer brass l=6, d=3.3 D=5.0
08261004	Spacer brass l=9, d=3.3 D=5.0
08261204	Spacer Snap-PCB / selftap , h = 9.4mm
08261312	Shim Washer d1=32, d2=44 mm, s=0,5, BN748



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11040520	Wire, yellow/green, 1x0.75#, 11cm
11040533	Wire, yellow/green, 1x0.75#, 25cm
11041053	Wire, brown, 1x0.75#, 13cm
11041054	Wire, brown, 1x0.75#, 32cm
11041055	Wire, brown, 1x0.75#, 21cm
11041056	Wire, brown, 1x0.75#, 13cm
11041566	Wire, blue, 1x0.75#, 13cm
11041567	Wire, blue, 1x0.75#, 21cm
11042019	Wire, red, 1x0.75#, 13cm
11042020	Wire, red, 1x0.75#, 32cm
11042539	Wire, black, 1x0.75#, 13cm
11042540	Wire, black, 1x0.75#, 13cm
11043013	Wire, grey, 1x0.75#, 13cm
11043507	Wire, purple, 1x0.75#, 14cm
11044007	Wire, orange, 1x0.75#, 16cm
11321504	Wire, blue, 1x0.75#UL, 132cm, SIFF
11321505	Wire, blue, 1x0.75#UL, 28cm, SIFF
11322504	Wire, black, 1x0.75#UL, 120cm, SIFF
11501013	Mains cable I.E.C. 3pin , 3 m
11601002	Wire for stepmotor, 270mm, 4 wire, NMB
11602006	Wire for stepmotor, 53cm, 4 wire, NMB
11604005	Wire for stepmotor, 110cm, 4 wire, NMB
11604006	Wire for stepmotor, 100cm, 6 wire, NMB, LC
11720001	Wireset 6x0.14# ,2 fem. plugs, black, 1000mm
11720005	Wireset, 6x0.3#, 2 fem. plugs, black, 365mm
11820008	XLR cable 5m black 3P male-3P female
13104000	Strap, black , high temp, 2.5x98mm
13104020	Strap, auto, high-temp., 2.5x103mm
13200000	5/9/12mm Rubber nibble pla
13200007	Rubber nibble DA 60/90/20



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15800000	Sleeve flexible ,hose 5mm, black
15802001	Silicon/glas sleeve d=4mm ,black
15802006	Silicon/glas sleeve d=9mm ,Black
15804000	Sleeve tube flexible 10mm, black
16000020	Plastic toothwheel, S3M-134
16000060	Timing pulley, S3M, Z=16, l=17mm
16000190	S3M,Z=32,Timing pulley, l=15mm
16040050	Timing belt, supertorque MBL, l=486
16040110	Timing Belt S3M 597
16300080	Adaptor for colorwheel, MAC 500, degreased
16300131	Adaptor w. 5mm hole, degreased
16700300	Bushing for MiniMAC bearings
16760030	Closed ball bearing, D=16 , d=5 ,LC
16760071	Ball bearing 1, D=27, d=20, b=4
16760170	Ball bearing, D=42, d=30, b=7
16780160	Bushing for belt adjust., MiniMAC
16900070	Shaft, belt wheel, MiniMAC
16900080	Shaft, Pan/Tilt, MiniMAC
16920130	Bearingadapt, belt wheel, MiniMAC
16920140	Bearingadapt, Pan/Tilt, MiniMAC
16920150	Bearingadaptor belt wheel MiniMAC
17100030	Light shield, MiniMAC
17100040	Blinding plate, MiniMAC Wash
17200620	Lensbracket wide, MiniMAC Wash
17720030	Spring for PAL 1200 frost damper
17740020	Tension spring, D=10, d=1x25
17760220	Spring for pan switch, MiniMac
17800020	Spacer, d=4, ø6x5.5
17820190	Spacerpl. for cam lock system
18000250	Mec. stop for shutter, MiniMAC



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18020240	Pl., Mec. Stop, Pan, MiniMAC
18040000	Mec. Stop, Plastic w. spring
19440040	Rubber foot 25x15mm. Black
19600080	Counterweight 1,Pan, MiniMAC
19600090	Counterweight 2,Pan, MiniMAC
20620080	Ø8,0 14x4mm Silicone ring
23003000	Bracket for shell, MiniMAC
23003010	Plate for counterweight / Airguide for lamp, MiniMAC
23003020	Plate for lampadjust., MiniMAC
23003030	Plate for lampsocket, MiniMAC
23003040	Plate for Belt adjust, MiniMAC
23003050	Plate for base bearing MiniMAC
23003060	Plate for capacitor, MiniMAC
23003070	Plate for ballast, MiniMAC
23003090	Plate for handle, MiniMAC
23200980	Lamp lid, Head miniMAC
23400400	Plast shell Head Top, Black, MiniMac
23400411	Bottom shell, head, black, type II (ext. screw)
23400420	Plast shell Arm outer, Black, MiniMac
23400430	Plast shell Arm inner, MiniMac
23400440	Plast shell Base top, Black, MiniMac
23400450	Plast shell Base bottom, MiniMac.
23400460	Plast shell Base Ventilation, MiniMac
23400470	Rubber cabinet list long, MinMac
23400480	Rubber cabinet list short front, MinMac.
23400490	Rubber cabinet list short rear, MinMac
23400510	Rubber adaptor for fresnel, MinMac.
23804602	Plate 1 for Yoke, MiniMAC
23804612	Plate 2 for Yoke, MiniMAC
23804622	Plate 3 for Yoke, MiniMAC



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23804670	Color module plate, MiniMAC
23804690	Refl. module plate, MiniMAC
23804701	Chassis module plate, MiniMAC
23804710	Plate for Pan motor, MiniMAC
23804720	Chassisplate, Base, MiniMAC
23804730	Base support plate, MiniMAC
23804740	PCB module plate, MiniMAC
23804750	Fresnel module plate, MiniMAC
23810880	Bracket for pan bushing, MiniMAC
33001006	Keyboard overlay, MiniMAC
33001013	MiniMAC Wash label
33002002	Adhesive aluminium foil, 100 x 100 x 0.05 mm
33120019	Label, PCB connections, MiniMAC Wash/Profil
33140013	Label Instructions 1/4 turn
33140016	Lamp adjustment label, MiniMAC
33150015	Label Safetywire/Eye Bolt
33150016	Label Warning MiniMAC Clamps
33190009	Label Front
34000059	Cardboard box MiniMAC Wash
34204004	MiniMAC Polystyren packing
34240003	PLAST BAG 180x360
34240006	PLAST BAG,600x850mm,Spandepose
34240016	Plast bag, 60x80, fuse
34240017	Plast bag, 60x80, f. fuse, EU 200-250V
34241522	Shrinkfoil, 19my, B=1100mm
34420502	Rubberband 250x15 mm
35000084	User manual, MiniMAC
37000202	Loctite 401 3 gr.
37000801	Silicon glue clear, low temp. (220-250 øC)
37001201	Silicon glue, hightemp. (250°C), red



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41002040	Ellipsodial reflector D=66
41102001	Heat filter, WBHM3, 1.1mm, MAC 250 shape
41200020	Lens, Asph/plano, D=40, coated
41204024	Lens, Fresnel, D=80
46404602	Yellow 603, "trap (R28,5;R51,4)x21,1"
46404603	Blue 104, "trap (R28,5;R51,4)x21,1"
46404604	Pink 312, MAC 250 shape
46404607	Red 301M, "trap (R28,5;R51,4)x21,1"
46404608	Magenta 507, "trap (R28,5;R51,4)x21,1"
46404609	Blue 101, "trap (R28,5;R51,4)x21,1"
46404610	Orange 306M, "trap (R28,5;R51,4)x21,1"
46404616	Green 208, "trap (R28,5;R51,4)x21,1"
46404624	Dichr. CTC5500-3400K, "trap (R28,5;R51,4)x21,1"
46404631	Blue 108 IAD, "trap (R28,5;R51,4)x21,1"
46404634	Purple 502, MAC 250 shape
46404635	Green 206iad, MAC 250 shape
55230016	PCB/sw module, MiniMAC Wash
55230017	Wireset, MiniMAC
55230022	MiniMAC manual/fuse packing
62000057	PCB MiniMAC Wash , tested
62000058	PCB MiniMAC Display/Keyboard, Tested.
62005006	PCB Voltage/Feq. select, Asmb
62203180	Wire for micro-switches, MiniMac
62203181	MiniMAC Wash, hi-flex wire set, base-arm
62203183	Wire for Display, 180mm
62203184	Wireset for relay,Minimac
62203185	Wireset mains in,Minimac
62203186	Wireset Power PCB, Minimac
62203187	Wireset for step-up,Minimac
62203188	Wireset for ballast,Minimac



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62203197	Wire for head fan, MiniMAC
62222026	Fan 1.6` with plug 200mm wire
62222028	Fan 12V DC Brushless, W.plug 220mm
62223015	#20uF 250V Capacitor prep w plugs
62248011	Wire stepmotor 4 wire 530mm ;TILT;
62248012	Wire stepmotor 4 wire 270mm ;PAN;
62248015	Wire stepmotor 6 wire 1000mm ;SHUT;
62248016	Wire stepmotor 4 wire 1100mm ;COL;
62324011	Shutter MiniMac, glued
62326033	Color Wheel 1 rev. 2, MiniMAC
62334008	Plastshell inner yoke, Black, glued w. ballastplate
62400149	Counterweight assembl. MiniMac
91602001	Omega bracket, new w. 1/4-turn
97010109	HTI150M Lamp Metal Halide (Martin) 2000 hours