



2507 HOWARD LANE, AUSTIN, TX 78728

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Exterior 600 Parts List

Item	Description
02005106	C165 CMOS 16 bit processor 25MHz
02011501	M41T56 timekeeper, SRAM, SMD
02034504	93C66 EEPROM SMD
02035522	28F400, 256Kx16 flash PROM, PSOP 44
02050106	74 HCT 132 Quad Nand Schmitt trig, SMD
02050108	74 HCT 138 3 TO 8 DECODER ,SMD
02050118	74 HCT 574 OCTAL LATCH ,SMD
02050120	74 HCT 4051P 8-1 MUX ,SMD
02050301	74 HC 05 HEX inverting open collector,SMD
02050303	74 HC 14 HEX inverting Schmitt Trig,SMD
02105203	78M05 5V/0.5A Voltage Stab , SMD
02105250	LM317L, 100mA voltage reg.,SMD
02105605	LM2596S -5.0 ,3A SMPS Regulator , SMD
02120351	Dual D/A Microstep controller, PBM 3962
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
02123001	Hall Sensor
02123201	TSL235 Light to frequence converter
02200002	6N137 Opto photo IC
02200500	TLP131, opto photo transistor, SMD
04020328	2.2 nF 250V Y2 film capacitor
04020352	220nF, X2, 250V film capacitor
04030081	60uF, 250V, spades
04040244	470uF, 25V, electrolytic, radial
04040340	220uF, 35V, electrolytic, radial
04040553	2200uF, 50V, electrolytic, radial, h=25mm



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04050144	4.7nF, 50V, ceramic, SMD
04050217	27pF, 63V, ceramic, SMD
04051160	100nF, 16V, ceramic, SMD 0603
04082116	2.2uF, 16V, tantalium, SMD
04150380	680 Ohm Resistor
04170000	0 OHM RESISTOR, SMD
04170200	10 Ohm, resistor, SMD
04170356	390 Ohm resistor, SMD, 1206
04170372	560 Ohm resistor, SMD, 1206
04170416	1K5 Ohm resistor, SMD, 1206
04170464	4K7 OHM RESISTOR, SMD
04170632	220K OHM RESISTOR, SMD
04170640	270K OHM RESISTOR, SMD
04170700	1M0 OHM RESISTOR, SMD
04171116	1.5 OHM RESISTOR, SMD 0.25W
04171132	2.2 OHM RESISTOR, SMD 0.25W
04171348	330 OHM RESISTOR, 1% ,SMD
04171372	560 OHM RESISTOR, 1% ,SMD
04171388	820 OHM RESISTOR, 1% ,SMD
04171540	27K OHM RESISTOR, 1% ,SMD
04171700	1M OHM RESISTOR, 1% ,SMD
04176440	2K7 OHM RESISTOR, 1% 1/10W, SMD 0603
04176488	8K2 OHM RESISTOR, 1% 1/10W, SMD 0603
04176500	10K OHM RESISTOR, 1% 1/10W, SMD 0603
04176516	15K Ohm resitor, 1% 0.1W, SMD 0603
04176532	22K OHM RESISTOR, 1% 1/10W, SMD 0603
04176564	47K OHM RESISTOR, 1% 1/10W, SMD 0603
04190203	10K Ohm 1.6 Watt Resistor
04190303	100 Ohm 2 Watt Resistor
04251002	1K Ohm NTC thermistor 5%



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04300003	1N 5822 Diode Schottky 40V/3A
04301001	BAS32L-115 (1N4148) , SMD
04302003	Diode bridge, PBU603
04303001	Diode bridge, DF04S
04307002	6V8, diode transil
04307004	Diode transil, 10V
04307008	Diode transil, 27V
04307010	Diode transil, 33V
04310004	LED 3mm Red
04310014	LED 3mm bicolor, red/green, on tape
04350001	X-tal 32.768KHz
04350018	X-tal 24MHz
04350101	Spacer isolation for X-tal
04400001	Coil SMPS 68uH , 1.5A
04400404	Noise sup chokes, current compensated, 2x0.5mH, 9A
04401102	Magnet 2x2x2 mm
04503007	Transformer, 0-230-250V, 10.5V/13, 24V/20VA, without mounting racke
04540500	Ballast,208/60,200/50=227/60,230/50,245,50
05000006	12V 20A Relay single (80A peak) PCB
05020004	Fuse 0.315 AT
05020016	Fuse 4 AT
05020018	Fuse 5 AT
05020020	Fuse 6.3 AT
05030001	Fuse holder PCB, plastic support
05031001	Fuse holder chassis 6.3mm plugs , nut
05040005	120` Thermostat Open
05120014	Socket-IC 22 pin , 4 modules ,tulip
05120701	Jumper, 2 pole, 2.54mm spacing
05144002	Header 2 pole 2.54mm PCB
05144003	Header 3 pole 2.54mm, PCB, coded



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05144004	Header 4 pole, 2.54mm, PCB , coded
05144006	Header 6 pole, 2.54mm
05144014	Header 4 pole 5.0mm molex PCB
05144016	Header 6 pole 5.0mm molex PCB
05144060	Header, 40 pole, PCB sil
05144103	Header 3 pole, angle 2.54mm, PCB
05144107	Header, 6 pole ang., 2.54mm, PCB (2511)
05144108	Plug 3 pole PCB sil , angle , coded
05144403	Plug 20 pole PCB dual in line
05149001	Spade plug 6.3mm male , PCB
05149002	Spade plug 6.3mm male , angle PCB
05220501	Connector terminals, plastic, 2.5#
05221201	Socket MSR 575 GX 9,5 (High temp Teflon/Oil)
05323514	Plug, MTA female, angle, wire, 4 pole, yellow, 0.12-0.14#
05323516	Plug, 6 pole, female, angle, yellow, 0.12-0.14#
05323518	Plug female angle, wire, 3 pole, blue, 0.12-0.14#
05323522	Plug MTA female angle, wire, 2 pole, natural, 0.20-0.22#
05323523	Plug, female angle, wire, 3 pole, natural, 0.20-0.22#
05323524	Plug, female angle, wire, 4 pole, natural, 0.20-0.22#
05324214	Crimp term housing, 4 pole, 5.0
05324226	Crimp terminal house, 6 pole
05328203	Cable plug, 2.8mm, female, single, faston
05520503	Micro switch, 5A, 250VAC
05701201	Steppmotor, standard mini, w/o wire, 22mm shaft
05701602	Steppmotor, NMB, standard small, wire 1100mm, 22mm shaft
05701607	Steppmotor, standard medium, 12V HT, w/o wire
05741003	Fan 12V DC Brushless 2.25"
05741202	Fan 12V DC Brushless 3" high speed
05801001	Batteri 3V Lithium ,PCB
06020020	Starter MSR575/700/1200



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08050401	M3x4 screw, Phillips, ph, black
08050405	M3x10 screw, Phillips, ph
08050406	M3x12 screw, Phillips, ph, black
08050407	M3x16 screw, Phillips, ph, black
08050702	M3x6 screw, Torx, ph, black
08050703	M3x8 screw, Torx, ph, black
08050706	M3x12 screw, Torx 10, ph, black
08050803	M3x8 screw, Torx, cs, black
08052601	M3 hex nut, black
08052701	M3 hex lock nut
08053802	M3x5 stand off, m/f
08053806	M3x7 stand off, m/f, black
08053813	M3x15 stand off, m/f
08053820	M3x40 stand off, m/f, black
08053821	M3x50 stand off, f/f
08054401	M3 lock washer, black
08070402	M4x10 screw, Phillips
08070404	M4x12 screw, Phillips, ph, black
08070407	M4x16 screw, Phillips, ph, black
08070415	M4x60 screw, Phillips, ph, black
08070502	M4x12 screw, Phillips, cs, black
08070701	M4x10 taptite, Torx, ph, black, Paint cut
08071204	M4x50 screw, Allen, black
08071208	M4x10 screw, Allen, low, stainless
08071501	M4x5 set screw
08072601	M4 hex nut, black
08072701	M4 hex lock nut, PA-insert
08073603	M4 blind rivet nut
08074301	M4 Washer, black
08074401	M4 lock washer, black



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08090101	M5x90 screw, slotted
08091002	M5x16 hex cap screw
08092701	M5 hex lock nut, PA-insert
08094301	M5 Washer
08111213	M6x25 screw, Allen, stainless (A4)
08111311	M6x12 screw, Allen, cs, stainless
08111312	M6x25 screw, Allen, cs, stainless
08113603	M6 blind rivet nut, cs, closed
08114301	M6 washer, black
08131503	M8x20 set screw, Allen, cs
08132703	M8 hex nut, cs, A4
08133000	M8 square nut, PVDF, White
08151008	M10x20 hex cap screw, cs, A4
08151009	M10x130, hex cap, cs
08152103	M10x20, carriage bolt, stainless
08152604	M10 hex nut, cs, A4
08152703	M10 hex nut, cs
08154303	M10 washer, cs, A4
08190101	2.9x4.5 self-tap, Phillips
08190107	2.9x16 self-tap, Phillips
08190301	3.9x9.5 self-tap, Phillips, ph, black
08190401	4.2x8 self-tap, Phillips, ph, black
08200102	2.9x6.5 Plastite, ph, black
08200103	2.9x9.5 Plastite, ph
08200107	5x12 Plastite, ph, black
08220101	3.2mm x 6 Rivet Black
08220103	3.2mm x 8 Rivet Black
08220105	3.2mm x 10 Rivet Black
08220302	4x8mm, pop rivet, black
08250502	Clip for M8 nut

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08260114	Voltage isolation , Washer for M5 Screw
08330103	PG11 Nut, Polyamid, Gray
08331020	Nut for adaptor PG21
11040505	Wire, yellow/green, 1x0.75#, 19cm
11040506	Wire, yellow/green, 1x0.75#, 27cm
11040523	Wire, yellow/green, 1x0.75#, 11cm
11041018	Wire, brown, 1x0.75#, 37cm
11041022	Wire, brown, 1x0.75#, 11cm
11041027	Wire, brown, 1x0.75#, 40cm
11041028	Wire, brown, 1x0.75#, 27cm
11041030	Wire, brown, 1x0.75#, 11cm
11041037	Wire, brown, 1x0.75#, 28cm
11041529	Wire, blue, 1x0.75#, 11cm
11041537	Wire, blue, 1x0.75#, 11cm
11041546	Wire, blue, 1x0.75#, 30cm
11041557	Wire, blue, 1x0.75#, 19cm
11042002	Wire, red, 1x0.75#, 19cm
11042507	Wire, black, 1x0.75#, 19cm
11043005	Wire, grey, 1x0.75#, 23cm
11043522	Wire, purple, 1x0.75#, 26cm
11044004	Wire, orange, 1x0.75#, 30cm
11400501	Wire, yellow/green, 1x0.75#UL, 100cm, SIFF
11421509	WIRE BLUE 1X0,75# 126CM SIF
11422502	Wire, black, 1x0.75#UL, 95cm, SIFF
11521007	Mains cable, AWG, 3x1.5#, 300cm, SJO
11604001	Wire for stepmotor, 110cm, 6 wire
11700003	Wireset 4x0.14# ,2 fem. plugs, black
11700004	Wireset 4x0.14# ,2 fem. plugs, black
11720001	Wireset 6x0.14# ,2 fem. plugs, black, 1000mm
11720004	Wireset 6x0.3# 2 fem. plugs, black 520mm



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11720005	Wireset, 6x0.3#, 2 fem. plugs, black, 365mm
11820013	XLR Cable 2m black 3P male-3P female
11860130	Wireset for tube, Ext.600
13102000	IPON Weather proof cable fitting, 5-10 mm.
13104000	Strap, black , high temp, 2.5x98mm
13107010	Adaptor for sleeve tube PG21, Gray
14026005	silicone tube d=5 D=9
15400505	Wire, 1x0.25#, black
15802001	Silicon/glas sleeve d=4mm ,black
15804010	Sleeve tube flexible D=28.5, d=21.9 mm, Gray
16000130	Timingwheel MXL,40tooth,MAC600,degreased
16060010	Timing belt,Hightemp.MXL2.032 118T80- 4.0mm WIDE, l=239.78
16120050	Rubber seal L=28 mm. \varnothing =2 mm, black
16170010	Spindle for Zoom module, Ex-600, turned
16300131	Adaptor w. 5mm hole, degreased
16700020	Sliding bearing, Oil bronze
16720110	Shaft for bearing,MAC600, degreased
17200142	Zoom cover, Ex-600, Painted
17200270	Lens holder, front, MAC600, painted
17260070	Heatfilter tunnel for Exterior 600, degreased
17280020	Reflectorholder B, Exterior 600 degreased
17720010	Compression spring, 6/0.6x8
17720040	Spring D=10 l=48 d=1.25
17720110	Spring for motor, MAC600
17820010	Teflon spacer, mech. sec., MAC 600
17820080	Spacer pl, mek.sec. ,MAC600, degreased
17820270	Flange for Exterior 600
17820300	Spacer, mek.sec., MAC600
17820310	Spacer plate
18200080	Holder for PCB, Exterior 600 degreased



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18260040	Condensator holder, Exterior 600 degreased
18260051	Plate for mains filter/connector, Exterior 600
18260190	plate for starter,ImageScan,painted
18280010	Angleplate for Fan, Exterior, bent
18280020	Plate for fan, Power/PCB module, Ext-600, degreased
18640010	LED window for Exterior 600.
18640020	Plate for LED, Ex-600 punched
18800060	Heat sink for MAC 250 PCB, bent
19040070	Hinge for Exterior 600 Powermodul, anodized
20200040	Plate for lamp adjustment, EX-600, Seriegraphy
20200150	Plate spacer, Exterior, Degreased
20200280	Plate for lamp socket, MAC 500, after-treated
20400000	Polyvent, POV/M12x1, grey
20600010	Seal for Bracket, Exterior 600 warterjet
20600020	Seal for alu. gable Exterior 600, warterjet
20600100	Seal for Flange Exterior600
20620050	Seal for Lampreplacement, Exterior 600 warterjet
20620060	Seal 1 for Frontlens, Exterior 600, warterjet
21020210	Bracket part 2, Exterior 600 Burred
21020221	Brakedish for bracket, Ext 600
21020290	Exterior 600 Bracket asmb. welded
23000060	Backgable for Ext-600, Seriegraphy
23002010	Coverpl. Power/PCB modul, Exterior 600 anodized
23002020	Lamppl. Lamphousing modul, Exterior 600, anodized
23002030	Frontgable for Ext-600, anodized
23002040	Ring for frontglass, Ext-600, anodized
23002050	Coverpl. Lamphousing modul, Exterior 600 aftertreat
23200930	Aluprofile for Exterior 600 Lamphouse, anodized
23200940	Aluprofile for Exterior 600 Powermodul, anodized
23800530	Lamp chassis, Exterior 600 degreased



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23800540	Reflector chassis, Exterior 600 degreased
23800550	Reflector chassis R, Exterior 600 degreased
23800560	Reflector holder, Exterior 600 degreased
23800570	Modulplate 1, Exterior 600 degreased
23800580	Modulplate 2 (for motor), Exterior 600 degreased
23800590	Base chassis, Power sec., Exterior 600 degreased
23800600	Zoomplate, Ex-600 degreased
23800610	Stopnut for zoom spindle, degreased
23801200	Lensplate, Ex-600 Painted
23803530	Lamp modul holder, Exterior 600 mounted
32023003	Neophrene tape w = 14mm, 70 shor A,
33120015	Label, PCB connections, Exterior 600
33160005	Label Starter connections MSR700/1200,
33160006	Label CMY Connections Ex-600,
33160007	Label Mains/Data connections, Exterior 600
34000096	Cardboard box, Exterior 600
34200003	Polystyrene packing, 390x125x50
34202002	Polystyrene packing Exterior 600, buttom part
34202004	Polystyrene packing Exterior 600, toppart
34202010	Polystyrene pack, bottom, Exterior 600
34202011	Polystyrene pack, top, Exterior 600
34240018	Plasticbag (A4)220x310+40x0,04
35000020	User manual, Exterior 600
37000401	UV-glue, 150°C, 25 ml
37000801	Silicon glue clear, low temp. (220-250 øC)
37001001	Silicone glue, mediumtemp. (250°C), black
37001201	Silicon glue, hightemp. (250°C), red
37021001	Locktite 243 250 ml.
41002065	Cold light reflector for MAC600 & EXT600
41102026	Heat filter, 94x47x2mm



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41204015	Lens, Fresnel, D=151.5
41600004	Frosted borosilicate 1.75mm Ø60 +0/-0.5mm
41600018	Cut Fibroid for combi wheel, hardened
41700015	Frontglass for Ext-600, watercut
46402201	*Dichr. CTC 5500-3400K 45x45x1.1 mm
46402202	*Dichr. Red 301M 45 x 45 x 1.1 mm.
46402203	*Dichr. Green 206 45 x 45 x 1.1 mm.
46402204	*Dichr. Blue 101 45 x 45 x 1.1 mm.
55505014	Main module, tested, EXT 600
55505017	Exterior 600 Zoom module
62000002	PCB Exterior 600 , TESTED
62000500	PCB Display Exterior 600, mounted
62003001	PCB, lightsensor, mounted
62003006	PCB Hall sensors MAC600 , mounted
62004512	PCB connector, 2x(5x4pol+1x6pol), no print
62004516	PCB Connector 4x(1x4pol), mounted
62004569	PCB Connector 8x4pol + 2x6pol+3x2pol and NTC
62006011	Mains filter, 575W, 9A
62203015	Wire for Lightsensor (LS 2) , Exterior 600, (330mm)
62203019	Wire for hall sensors, MAC 600
62203028	*Wireset ser RXD/DMX Exterior
62203029	Wire for Lightsensor (LS 1) , Exterior 600 (140mm)
62203030	Wire for LED PCB , Exterior 600
62203037	Wire for micro-switch, Exterior, w 2x2.8 plug
62203170	Wire for PCB, MC-1
62203242	Exterior 600 wireset in tube
62205037	Wire stepmotor Micro NMB 510mm w. plug
62205038	Wire stepmotor Micro NMB 150mm w. plug
62205106	Wire stepmotor Micro, NMB 130mm w. plug + flex
62205138	Wire stepmotor Micro NMB 160mm



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62222017	Fan 12V DC 3` High speed with plug 250mm wire
62222021	Fan with 2 pole plug
62226007	Wire stepmotor 05701201 w. plug, 110mm
62226016	Wire stepmotor 05701201 w. plug, 190mm wire + flex
62322000	Socket MSR 575 with silicon/glass
62324006	Dimmer Wheel w timing pulley MAC600
62324014	Shutter Mac600 glued
62326012	Color Wheel w timing pulley MAC600
62326048	Fibroid, cut, burned
62327003	Magenta Wheel w timing pulley MAC600
62327004	Cyan Wheel w timing pulley MAC600
62327005	Yellow Wheel w timing pulley MAC600
62328000	Beam shaper 2 / Frost Wheel w. timing pulley MAC600
62332005	Fresnel lens glued in cover, wide, Ex-600
62332009	Exterior 600 heatfilter glued in tunnel
62334036	Ext. 600 Coverpl. Lamphouse
62334037	Ext. 600 Coverpl. Power/PC
62334038	Exterior 600 frontgable w. sealing
62400076	Wire prepared for trafo, MAC 500/600
62400102	Timingwheel MXL, 40tooth, w. bearing and flanges
62400103	Timingwheel MXL, 20tooth, w. flanges
62400219	Clip, zoom spindle, Exterior 600
97010202	Lamp MSD 575, discharge lamp