

SeeStar Camera Housing Bill of Materials						
Item #	Quan	Part	Manufacturer	Manufacturer PN#	Description	Distributor
1	1	Housing Body	Groupbinc	TBD	Rectangular camera housing, aluminum, black anodized	Groupbinc
2	1	GoPro Hero 3 Camera	GoPro	Hero 3 or Hero 3+	Hero 3 or Hero 3+ Black or Silver version	GoPro
3	1	Camera Housing Endcap	Groupbinc	Sub-assy of camera housing	Flat rear endcap of camera housing, aluminum, black anodized	Groupbinc
4	1	SeeStar Camera PCB	custom	Distributor PN TBD	Camera control board	TBD
5	1	Hero Bus Connector	Ridax	SD_BUS	30-Pin Bus Connector	www.chargeconverter.com
6	1	8-pin Female Connector	Subconn	MCBH8F	8-pin female bulkhead connctor, micro series	Ocean Innovations
7	1	8-pin Male Connector	Subconn	MCBH8M	8-pin male bulkhead connctor, micro series	Ocean Innovations
8	1	Camera Housing Port	Groupbinc	Sub-assy of camera housing	Clear acrylic port for camera lens	Groupbinc
9	1	Arduino Pro-Mini	Arduino	Arduino Pro-Mini	Arduino Pro-Mini CPU board	Sparkfun
10	4	Nylon Spacer	many	94639A714	3/16" OD, 1/2" Length, for #4 screw	McMaster- Carr
11	4	Socket Head Cap Screw	many	92185A192	Stainless steel socket head cap screw, 8-32 thread, 3/8" length	McMaster- Carr
12	4	Socket Head Cap Screw	many	92185A112	Stainless steel socket head cap screw, 4-40 thread, 3/4" length	McMaster- Carr
13	2	Socket Head Cap Screw	many	92185A147	Stainless steel socket head cap screw, 6-32 thread, 3/8" length	McMaster- Carr
14	1	Size -039 buna-N o-ring	many	9452K127	Buna-N, A70 multipurpose o-Ring, OD=2.879"	McMaster- Carr
15	2	Size -014 buna-N o-ring	many	9452K58	Buna-N, A70 multipurpose o-Ring, OD=0.629"	McMaster- Carr
16	1	Size -023 buna-N o-ring	many	9452K77	Buna-N, A70 multipurpose o-Ring, OD=1.191"	McMaster- Carr
17	1	Battery Eliminator	Cam-Do	Battery Eliminator, 12V	Battery Eliminator, 9-17Vdc input	www.cam-do.com

SeeStar LED Housing Bill of Materials						
Item #	Quan	Part	Manufacturer	Manufacturer PN#	Description	Distributor
1	1	Housing Body	Groupbinc	TBD	Short body housing, L=64mm	Groupbinc
2	1	Port and LED Adaptor	Groupbinc	Sub-assy of Groupbinc housing	Mounting heatsink for LED board & glass port	Groupbinc
3	1	LED Board	Lingsfire	Sub-assy of Lingsfire flashlight	LED board from Lingsfire flashlight	Amazon
4	1	LED Module Port	Groupbinc	Sub-assy of Groupbinc housing	Glass port	Groupbinc
5	1	LED Module Port Retainer	Groupbinc	Sub-assy of Groupbinc housing	Retaining cap	Groupbinc
6	1	Endcap	Groupbinc	Sub-assy of Groupbinc housing	Endcap with tapped & threaded hole for connector	Groupbinc
7	1	Rear Connector	Subconn	MCBH8M	8-pin male bulkhead connctor, micro series	Ocean Innovations
8	1	Driver Board	Lingsfire	Sub-assy of Lingsfire flashlight	Driver board from Lingsfire flashlight	Amazon
9	4	Plastic standoff	many	92745A377	4-40 1/2" plastic standoffs	McMaster- Carr
10	2	Pan Head Screw	many	91772A106	Stainless steel pan head phillips machine screw, 4-40 thread, 1/4" length	McMaster- Carr
11	1	DC-DC Converter	Murata	OKX-T/10-D12P-C	Adjustable output DC-DC converter	Digikey
12	2	O-ring-146	many	9452K153	Buna-N, A70 multipurpose o-Ring, OD=2.818"	McMaster- Carr
13	1	O-ring-014	many	9452K58	Buna-N, A70 multipurpose o-Ring, OD=0.629"	McMaster- Carr
14	1	O-ring-033	many	9452K121	Buna-N, A70 multipurpose o-Ring, OD=2.129"	McMaster- Carr
15	2	4-Pin Terminal Strip	TE Connectivity	1776293-4	4-pin (2-position) terminal strip	Digikey
16	2	Pan Head Screw	many	91735A144	Stainless steel pan head phillips machine screw, 6-32 thread, 1/4" length	McMaster- Carr

SeeStar Battery Housing Bill of Materials						
Item #	Quan	Part	Manufacturer	Manufacturer PN#	Description	Distributor
1	1	Housing Body	Groupbinc	TBD	Standard cylindrical housing, aluminum	Groupbinc
2	1	Front Endcap	Groupbinc	Sub-assy of battery housing	Endcap with connector hole, aluminum	Groupbinc
3	1	Rear Endcap	Groupbinc	Sub-assy of battery housing	Solid Endcap, Aluminum	Groupbinc
4	1	8-pin Female Connector	Subconn	MCBH8F	8-pin female bulkhead connctor, micro series	Ocean Innovations
5	1	12-Cell Battery	Battery Specialties	11021184	12-cell NiMH battery	Battery Specialties
6	1	Size -014 buna-N o-ring	many	9452K58	Buna-N, A70 multipurpose o-Ring, OD=0.629"	McMaster-Carr
7	2	Size -146 buna-N o-ring	many	9452K153	Buna-N, A70 multipurpose o-Ring, OD=2.818"	McMaster-Carr
8	1	4-Pin Terminal Strip	TE Connectivity	1776293-4	4-pin (2-position) terminal strip	Digikey

SeeStar System Bill of Materials						
Item #	Quan	Part	Manufacturer	Manufacturer PN#	Description	Distributor
1	2	Interconnection Cable	Subconn	Cable Assy: MCIL8F // MCDLSF // 2m 20-8 CABLE // MCDLSM // MCIL8M with Female Locking Sleeves	8-pin male-to-female cable (2 meters)	Ocean Innovations