

DELTA-SIGMA Inc.

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USA

confidential
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To: **(CUBIC) Tim Ganea**

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Pages: 2

Date/Time: 9/14/2000 10:53:47

Subject:

Parts List
2-60-031-001

Printed 9/14/2000

MARISTAR-A8H

Rev - Status U

Date 8/22/2000

Dwg Size D

Shts 1

Tooling

Artwork

Item	Qty	Part	Type Stat	Title Detail	Reference
1	1	7-86-009-001	PS	Acceptance Test Procedure	
			R	MARISTAR A8H	
2	2	7-29-012-001	PS	Power Supply, 30V, 85A	
			R	TITAN-2500	
				0 - 5V Current/Voltage monitoring option	
3	1	7-47-009-001	PS	Power Combiner	
			R	ORION-2500-8H	
4	2	3-60-031-001	PL	MARISTAR-4AH	
			R	4 channel VHF amp	
5	8	4-68-119-009	PL	Cable Assembly	
			R	N 90 male to N male 90, 9" long	

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Parts List

Printed 9/14/2000

3-60-031-001

MARISTAR-4AH

4 channel VHF amp

Rev - Status R

Date 9/13/2000

Dwg Size D

Shts 1

Tooling

Artwork

Item	Qty	Part	Type Stat	Title Detail	Reference
1	2	3-62-015-001	PL R	MARISTAR MODULE Right output option	
2	2	3-62-015-002	PL R	MARISTAR MODULE Left output option	
3	1	4-66-003-001	PL R	REAR PANEL MARISTAR 4AH	
4	4	4-68-119-007	PL R	Cable Assembly N 90 male to N male 90, 7" long	Module to Coupler
5	4	4-68-120-012	PL R	Cable Assembly N 90 male to N male -90, 12" long	Coupler to Circulator
6	4	4-68-231-014	PL R	Cable Assembly SMA straight male to SMA panel mount, 14" long	Rear panel VFBK output
7	4	4-68-328-010	PL R	Cable Assembly SMA 90 male to N panel mount, 10" long	Rear panel to RF module
8	4	4-68-340-006	PL R	Cable Assembly N panel mount to N 90 degrees, 6" long	Circulator to Front panel
9	2	7-20-200-536	PS R	Ring Terminals Uninsulated Ring AWG 8 - 6 AWG, # 5/16" Stud	
10	2	7-21-100-026	PS R	Round Instrumentation Handles Brass Nickel Plate	
11	4	7-22-007-001	PS R	Nylon Mounting Base, Self Adhesive 3/4" square	
12	12	7-22-012-001	PS R	Caterpillar grommets, Cat 1 for 0.015" material	inches
13	1	7-22-100-002	CAT R	Foam Air Filter 12.75" x 8.0" x 3/4"	
14	4	7-22-200-001	PS R	Ty-wraps 3" Long x 0.1" Wide	
15	80	7-22-202-102	PS R	Spiral Wrap SP-1/4 CP	inches
16	3	7-23-100-005	PS R	Rubber Grommets 0.25" I.D.	
17	4	7-27-011-001	PS R	Directional Coupler MARINET	
18	2	7-27-101-001	PS R	ISOLATOR MARINET	

Parts List

3-60-031-001

Item	Qty	Part	Type Stat	Title Detail	Reference
19	2	7-27-101-002	PS R	ISOLATOR MARINET Mirror of -001 version	
20	2	7-30-300-912	PS R	Heat Shrink Tubing White, 3/8" Dia.	inches
21	2	7-43-046-001	DWG R	Side panel MARISTAR	
22	2	7-43-047-001	DWG R	Inner Side MARISTAR	
23	2	7-43-049-001	DWG R	Top/Bottom covers MARISTAR	
24	1	7-44-049-001	PS R	Front Panel MARISTAR PA	
25	2	7-45-012-001	PL R	Heatsink MARISTAR	
26	64	7-51-022-003	PS R	Stainless Steel Hardware #2-56 x 3/16" F.H. Phillips Screw	for covers
27	8	7-51-022-004	PS R	Stainless Steel Hardware #2-56 x 1/4" F.H. Phillips Screw	front panel mount
28	50	7-51-041-004	PS R	Stainless Steel Hardware #4-40 x 1/4" P.H. Phillips Screw	for side of heatsink
29	2	7-51-041-010	PS R	Stainless Steel Hardware #4-40 x 5/8" P.H. Phillips Screw	for fans and rear panel mount
30	8	7-51-042-004	PS R	Stainless Steel Hardware #4-40 x 1/4" F.H. Phillips Screw	
31	24	7-51-045-016	PS R	Stainless Steel Hardware #4-40 x 1" S.H. Screw	
32	12	7-51-045-020	PS R	Stainless Steel Hardware #4-40 x 1 1/4" S.H. Screw	for mounting couplers
33	88	7-51-048-003	PS R	Stainless Steel Hardware #4 Split Washer	
34	4	7-51-101-008	PS R	Stainless Steel Hardware #10-32 x 1/2" P.H. Phillips Screw	handle's mount
35	4	7-51-108-003	PS R	Stainless Steel Hardware #10 Split Washer	handle's mount

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Parts List
4-66-003-001

Printed 9/14/2000

REAR PANEL

MARISTAR 4AH

Rev - Status R

Date 7/5/2000

Dwg Size D

Shts 1

Tooling

Artwork

Item	Qty	Part	Type Stat	Title Detail	Reference
1	2	7-01-151-102	PS R	1/4 Watt, 5%, Carbon Film, R25 1K	fan motion sensor
2	1	7-15-101-017	PS R	AGC Fast Acting Fuse 1.25" 4 Amp	
3	1	7-15-200-027	PS R	HTB Fuse Holder Knob Type, 1.25"	
4	2	7-18-100-004	PS R	AC Fans, 115VAC Major fan with motion sensor	
5	2	7-18-500-003	PS R	Finger Guard Steel Wire, 6 inches	
6	2	7-18-501-001	PS R	Fan Cord Plug and Cord	
7	1	7-19-500-025	PS R	'D' Sub Connectors Soldered Female, 25 pin	J16
8	1	7-19-800-001	PS R	AC Connectors EIA Panel Mount 6A 250VAC	
9	2	7-19-810-003	PS R	Panel mount Pin Housing (Cap)	
10	2	7-19-811-003	PS R	Panel mount Socket Housing (Plug)	
11	6	7-19-812-001	PS R	MATE-N-LOK contact Pin, 24-18 AWG	
12	6	7-19-812-002	PS R	MATE-N-LOK contact Socket, 24-18 AWG	
13	1	7-20-200-331	PS R	Ring & Fork Terminals Uninsulated AWG 16-14, #4 Stud	GND on J16
14	1	7-20-200-334	PS R	Ring & Fork Terminals Uninsulated AWG 16-14, #10 Stud	for GND wire on GND stud
15	4	7-22-200-001	PS R	Ty-wraps 3" Long x 0.1" Wide	
16	18	7-22-202-102	PS R	Spiral Wrap SP-1/4 CP	inches
17	1	7-23-100-005	PS R	Rubber Grommets 0.25" I.D.	fan PWR hole
18	1	7-23-100-009	PS R	Rubber Grommets 1.025" I.D.	for DC hole

Parts List

4-66-003-001

Item	Qty	Part	Type Stat	Title Detail	Reference
19	1	7-24-210-002	PS R	Shield Bead	for GND wire on AC connector
20	3	7-30-100-005	PS R	Teflon Tubing size 20, thin wall	inches
21	25	7-30-222-000	PS R	Stranded Wire Black UL1007 #22AWG 7/30	inches, fan motion sensor wiring, ground return on J16 lug
22	18	7-30-222-001	PS R	Stranded Wire Brown UL1007 #22AWG 7/30	inches, temp sensing channel A
23	18	7-30-222-002	PS R	Stranded Wire Red UL1007 #22AWG 7/30	inches, fan motion sensor wiring
24	24	7-30-222-003	PS R	Stranded Wire Orange UL1007 #22AWG 7/30	inches, temp sensing channel B
25	30	7-30-222-004	PS R	Stranded Wire Yellow UL1007 #22AWG 7/30	inches, temp sensing channel C
26	4	7-30-222-005	PS R	Stranded Wire Green UL1007 #22AWG 7/30	inches, for GRND wire
27	18	7-30-222-006	PS R	Stranded Wire Blue UL1007 #22AWG 7/30	inches, fan motion sensor wiring
28	36	7-30-222-008	PS R	Stranded Wire Grey UL1007 #22AWG 7/30	inches, temp sensing channel D
29	27	7-30-222-010	PS R	Stranded Wire White/black UL1007 #22AWG 7/30	inches, fan motion sensor wiring
30	27	7-30-222-012	PS R	Stranded Wire White/red UL1007 #22AWG 7/30	inches, fan motion sensor wiring
31	27	7-30-222-015	PS R	Stranded Wire White/green UL1007 #22AWG 7/30	inches, fan motion sensor wiring
32	6	7-30-300-004	PS R	Heat Shrink Tubing Black, 1/8" Dia.	inches, fan motion wires
33	4	7-30-300-408	PS R	Heat Shrink Tubing Yellow, 1/4" Dia.	inches, cut to 3.5" from AC connector to Fuse
34	1	7-43-048-001	DWG R	Rear panel PA MARISTAR	
35	1	7-50-100-001	PS R	Silicone RTV	1 dab. for GND wire bead close to AC connector
36	2	7-51-041-006	PS R	Stainless Steel Hardware #4-40 x 3/8" F.H. Phillips Screw	to mount AC connector
37	6	7-51-041-008	PS R	Stainless Steel Hardware #4-40 x 1/2" P.H. Phillips Screw	to mount fans
38	9	7-51-048-003	PS R	Stainless Steel Hardware #4 Split Washer	

Parts List

4-66-003-001

Item	Qty	Part	Type Stat	Title Detail	Reference
39	3	7-51-049-002	PS	Stainless Steel Hardware	to mount "D"
			R	#4 Full Nut	subminiature connector
40	4	7-51-101-006	PS	Stainless Steel Hardware	for fan guard
			R	#10-32 x 3/8" P.H. Phillips Screw	
41	1	7-51-105-012	PS	Stainless Steel Hardware	GND stud assembly
			R	#10-32 x 3/4" S.H. Screw	
42	2	7-51-108-002	PS	Stainless Steel Hardware	GND stud assembly
			R	#10 Full Washer	
43	2	7-51-109-004	PS	Stainless Steel Hardware	GND stud assembly
			R	#10-32 Captivated Washer Full Nut	
44	2	7-53-002-004	PS	D Sub Connector Retainers	
			R	Female screw lock, 0.5"	
				Sets of 2 with nut and lock washer	
45	1	7-53-300-010	PS	Wing Nut Stainless Steel	GND stud assembly
			R	#10-32 UNF	