

PS0112 500 COOKC DSP6575_01 MPH Indust
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PRODUCT STRUCTURE

ENGINEERING ASSEMBLY REPORT

ASSEMBLY NAME 990653

ANTENNA ASSY,BEE III

CLASS 072 UNIT OF MEASURE EA
REVISION LEVEL REVISION DATE 3/13/01
DRAWING NUMBER LOW LEVEL CODE 1
LEVEL BALLOON COMPONENT PRODUCT

ENGINEER NUMBER	ACT	TOTAL NBR	NAME	DESCRIPTION	EFFECTIVITY
1	QUANTITY	QUANTITY U/M	YIELD	TXT STS	DATES
1	1.00000	1 909045	EA 100.00	N	1/11/01
1	1.00000	2 909044	EA 100.00	N	1/11/01
1	6.00000	3 909023	EA 100.00	N	1/11/01
.2	1.00000	1 909043	EA 100.00	N	1/11/01
1	.00000	4 908973	EA 100.00	N	1/02/01
1	3.00000	5 909058	EA 100.00	N	1/11/01
1	8.00000	6 909056	EA 100.00	N	1/12/01
1	6.00000	7 909057	EA 100.00	N	1/12/01
1	3.00000	8 909055	EA 100.00	N	1/12/01
CT	1.00000	20 950581	EA 100.00	N	1/12/01
1	1.00000	1 903802	EA 100.00	N	1/11/01
G					

Label, SERIAL NO., BEE III
COLLAR, ROLLED
HOUSING, BEEIII, ANTENNA
STUD, HOUSING, BEE III
SCR #2-56 X .188 PNH, SST
SCR, #2-56x0.25 PR PNH, SST
SCR, #2-56x1.25 PR PNH, SST
SCR, #2-56x0.50 SOC HD, SST
O-RING, 1.864IDx.070 CROSS SE
CONNECTOR ASSY
CONN, MALE, MINI-CON-X PNL PLU

antenna

.2	1.00000	1.00000	EA 100.00	N	4/26/96	
		2	903470		EXPOXY, TRANSLUCENT	
1	.00000	.00000	EA 100.00	N	4/26/96	
		21	909025G01		LID, ANTENNA, BEE III (PLT)	
.2	1.00000	1.00000	EA 100.00	N	1/11/01	
		1	909025		LID, ANTENNA, BEE III	
.2	1.00000	1.00000	EA 100.00	N	1/08/01	
		2	903161		COATING, POWDERED, FLAT BLACK	
1	.00001	.00001	LB 100.00	N	1/08/01	
		24	950949T		HOUSING ASSY, MIDDLE, BEE, TEST	
.2	1.00000	1.00000	EA 100.00	N	1/11/01	
		1	950949		HOUSING ASSY, MIDDLE, BEE III	
..3	1.00000	1.00000	EA 100.00	N	1/11/01	
		1	909031/G2		CHOKE, BIAS, BEE III(PLATED)	
...4	1.00000	1.00000	EA 100.00	N	1/23/01	
		1	909031		CHOKE, BIAS, BEE III	
...4	1.00000	1.00000	EA 100.00	N	1/23/01	
		2	KR01542		GOLD OROTEMP 24K SALTS	
..3	.00300	.00300	GM 100.00	N	1/21/01	
yd		2	908111		TAPE, MYLAR, .0009 x .343 x 72	
..3	.00000	.00000	EA 100.00	N	1/12/01	
		3	CP2604P6		TUNING ASSY	
..3	1.00000	1.00000	EA 100.00	N	1/10/01	
SS		4	909050		SCR, 00-90 x .187, FILL HD, BRA	
..3	1.00000	1.00000	EA 100.00	N	1/11/01	
		5	908974		SCR #2-56 X .312 SOC HD, SST	
..3	8.00000	8.00000	EA 100.00	N	1/11/01	
		6	909049		NUT, HEX, 00-90, BRASS	
..3	1.00000	1.00000	EA 100.00	N	1/11/01	
		7	KR73419P13		DIODE, GUNN, Ka BAND	
..3	1.00000	1.00000	EA 100.00	N	1/17/01	
		20	CP2572P1/B2		SCREW, LOCK(PLATED)	

antenna

1.00000 ...4	1.00000 EA 100.00 1 CP2572P1	N 1/10/01 SCREW, LOCK
1.00000 ...3	1.00000 EA 100.00 21 CP501P6	N 10/07/96 WASHER, INSULATOR, H-FILM
2.00000 ...4 05	2.00000 EA 100.00 1 CP50222P6	N 1/10/01 STRIP, H-FILM, POLYMD, H FLM, .0
.02000 ...3	.04000 SI 100.00 22 950948	N 9/12/96 HORN & LENS ASSY, BEE III
1.00000 ...4	1.00000 EA 100.00 1 909027	N 1/11/01 BLOCK, HORN, ANTENNA, BEE III
1.00000 ...4	1.00000 EA 100.00 2 909052	N 1/08/01 LENS, Ka BAND, BEE III
1.00000 ...4	1.00000 EA 100.00 3 909059	N 1/11/01 GLUE, SUPER, 3g
.00000 ...3	.00000 EA 100.00 23 950951	N 1/12/01 MIDSECTION ASSY, BEE III
1.00000 ...4	1.00000 EA 100.00 1 908884	N 1/11/01 DIODE
2.00000 ...4	2.00000 EA 100.00 2 908885	N 1/09/01 EPOXY, PART A & B
.00000 ...4 ls	.00000 EA 100.00 3 908733	N 1/10/01 LAMINATING, ADHESIVE, ROLL, 5mi
.00000 ...4	.00000 EA 100.00 4 909026	N 1/10/01 MIDSECTION, ANTENNA, BEE III
1.00000 ...4	1.00000 EA 100.00 5 909030	N 1/10/01 POST, ANTENNA, BEE III
1.00000 ...4 %	1.00000 EA 100.00 6 909054	N 1/11/01 RES, SMD, 0201, 100 OHM, 1/20W, 5
2.00000 ...4	2.00000 EA 100.00 7 909053/G2	N 1/12/01 PROBE, BEE III (PLT)
2.000005	2.00000 EA 100.00 1 909053	N 3/13/01 PROBE, BEE III

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1.00000 2.00000 EA 100.00 N 3/13/01
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ENGINEERING ASSEMBLY REPORT
 ASSEMBLY NAME 990653

ANTENNA ASSY,BEE III

CLASS 072 UNIT OF MEASURE EA
 REVISION LEVEL REVISION DATE 3/13/01
 DRAWING NUMBER LOW LEVEL CODE 1
 LEVEL BALLOON COMPONENT PRODUCT

ENGINEER NUMBER ACT	TOTAL NBR	NAME	DESCRIPTION	EFFECTIVITY
QUANTITY5	QUANTITY U/M 2 KR01542	YIELD	TXT STS	DATES
			GOLD OROTEMP	24K SALTS
.00300 ...4	.00600 GM 8 CP6136P1	100.00	N	3/13/01
			CABLE, COAX	
.50000 ...4	.50000 IN 9 909051	100.00	N	3/13/01
			SCR, 0-80 x .125, FILL HD, BRAS	
1.00000 ...4	1.00000 EA 10 909048	100.00	N	1/12/01
			PWB, MICROSTRIP, BEE III	
1.00000 1 T	1.00000 EA 25 950950T	100.00	N	
			BOARD STACK ASSY, BEE III, TES	
1.00000 .2	1.00000 EA 1 950950	100.00	N	1/11/01
			BOARD STACK ASSY, BEE III	
1.00000 ..3	1.00000 EA 1 909046	100.00	N	1/11/01
			JUMPER, FLEXIBLE	
1.00000 ..3	1.00000 EA 2 909032	100.00	N	1/10/01
			SPACER, ANTENNA, BEE III, Ka	
6.00000 ..3	6.00000 EA 3 900436	100.00	N	1/10/01
			WIRE, BUSS, #26 AWG	
.12500 ..3	.12500 FT 4 908883	100.00	N	
			PIN, CONTACT	
2.00000 ..3	2.00000 EA 20 950905	100.00	N	1/10/01
			PWB ASSY, GUNN SPLY, ANT, BEE I	

antenna

II	1.00000	1.00000	EA	100.00	N	12/14/00
...4	1	907172B				PWB, GUNN SUPPLY, ANT., BEEIII,
KA	1.00000	1.00000	EA	100.00	N	12/08/00
...4	2	935049				CAP, SMD, 0805, .1uf, 25V, 10%, X7
R	1.00000	1.00000	EA	100.00	Y	3/08/01
...4	3	935086				C1 CAP, SMD, ALM ELC, 47uF25V, HI R
EL	1.00000	1.00000	EA	100.00	Y	8/08/00
...4	4	935048				C2 CAP, SMD, 0805, .01UF, 50V, 10%
3.00000	3.00000	EA	100.00	Y	8/08/00	
...4	5	935085				C3, C4, C7 CAP, SMD, AL ELC, 100uF10V, GN P
RP	2.00000	2.00000	EA	100.00	Y	8/08/00
...4	10	908067				C5, C6 DIODE, MBR5140T3, SCHOTTKY, SMD
1.00000	1.00000	EA	100.00	Y	8/08/00	
...4	11	908983				D1 RGLTR, SMD, VOLT RGLTR, S08
1.00000	1.00000	EA	100.00	Y	8/08/00	
...4	12	908996				VR1 INDUCTOR, SMD, 100uH, FIXED
3.00000	3.00000	EA	100.00	Y	8/08/00	
...4	13	908995				L1, L2, L3 RECPTCLE, PIN, .048-.064 DIA P
IN	1.00000	1.00000	EA	100.00	Y	8/08/00
...4	15	934149				J1 RES, SMD, 0805, 820 OHM, 1/10W, 5
%	1.00000	1.00000	EA	100.00	Y	8/08/00
...4	16	934086				R1 RES, SMD, 0805, 2.0K OHM, 1/10W,
5%	1.00000	1.00000	EA	100.00	Y	8/08/00
...4	17	934061				R2 POT, SMD, 2K OHM, MULTI-TURN
1.00000	1.00000	EA	100.00	Y	8/08/00	

antenna

..3	21	950907	R3	PWB ASSY, FLTR SPLY, ANT, BEE I
II				
1.00000	1.00000	EA 100.00	N	12/14/00
...4	1	907173C		PWB, FLTR SPLY, ANT, BEE III, KA
1.00000	1.00000	EA 100.00	N	2/15/01
...4	10	935049		CAP, SMD, 0805, .1uf, 25V, 10%, X7
R				
2.00000	2.00000	EA 100.00	Y	3/08/01
				C1, C9
...4	11	935035		CAP, TANT, 10UF, 10%, 25V, SMD 73
43				
5.00000	5.00000	EA 100.00	Y	8/07/00
				C2, C3, C4, C5, C6
...4	12	935023		CAP, SMD, 68UF, 20%, 6.3V, TANT
2.00000	2.00000	EA 100.00	Y	8/07/00
				C7, C8
...4	16	932002		DIODE, SMD, GL41J
2.00000	2.00000	EA 100.00	Y	8/07/00
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ENGINEERING ASSEMBLY REPORT

ASSEMBLY NAME 990653

ANTENNA ASSY, BEE III

CLASS 072	UNIT OF MEASURE	EA
REVISION LEVEL	REVISION DATE	3/13/01
DRAWING NUMBER	LOW LEVEL CODE	1
LEVEL	BALLOON COMPONENT	PRODUCT

ENGINEER NUMBER	ACT	TOTAL NBR	NAME	DESCRIPTION	EFFECTIVITY
QUANTITY		QUANTITY U/M	YIELD	TXT STS	DATES
...4		18	934131	D1, D2	
%				RES, SMD, 100 OHM, 0805, 1/10W, 1	
1.00000		1.00000	EA 100.00	N	1/12/01
...4		20	908069	INDUCTOR, SMD, 680UH, 5038P	
3.00000		3.00000	EA 100.00	Y	8/07/00
				L1, L2, L3	
...4		24	908064	RGLTR, LTC1044CSB, VOLT. REG., S	
08					

antenna

1.00000	1.00000	EA 100.00	Y	8/07/00
...	28	903686	U1	RGLTR, LM2931M-5.0, 5V, SMD S08
1.00000	1.00000	EA 100.00	Y	8/07/00
..3	22	950895	VR1	PWB ASSY, KA PREAMP/FLTR, BEEI
II				
1.00000	1.00000	EA 100.00	N	12/14/00
...	1	907167C		PWB, KA PREAMP/FILTER, BEE III
1.00000	1.00000	EA 100.00	N	2/16/01
...	10	935089		CAP, SMD, .056uF, 50V, 10%, 0805
4.00000	4.00000	EA 100.00	Y	3/09/01
...	11	935049		C6, C7, C12, C13
R				CAP, SMD, 0805, .1uf, 25V, 10%, X7
2.00000	2.00000	EA 100.00	Y	5/23/00
...	13	935074		C2, C5
				CAP, SMD, 2.2UF, 10V, 20%, TANT
8.00000	8.00000	EA 100.00	Y	5/23/00
...	20	934131		C1, C3, C4, C8, C9, C10, C11, C14
%				RES, SMD, 100 OHM, 0805, 1/10W, 1
2.00000	2.00000	EA 100.00	Y	1/24/01
...	21	934130		R3, R15
%				RES, SMD, 0805, 511 OHM, 1/10W, 1
2.00000	2.00000	EA 100.00	Y	5/23/00
...	22	934073		R12, R24
				RES, SMD, 0805, 1K OHM, 1/10W, 5%
2.00000	2.00000	EA 100.00	Y	5/23/00
...	23	934089		R1, R13
5%				RES, SMD, 0805, 2.2K OHM, 1/10W,
2.00000	2.00000	EA 100.00	Y	5/23/00
...	24	934153		R9, R20
05				RES, 3.3K OHM, 1/10W, 5%, SMD-08
3.00000	3.00000	EA 100.00	Y	3/09/01
...	25	934072		R2, R10, R22
5%				RES, SMD, 0805, 4.7K OHM, 1/10W,
3.00000	3.00000	EA 100.00	Y	3/09/01
				R5, R14, R17

antenna

...4 5%	26	934090	RES, SMD, 0805, 6.8K OHM, 1/10W,
4.00000	4.00000	EA 100.00	Y 1/12/01
...4 1%	27	934132	R7, R11, R19, R23 RES, SMD, 121K OHM, 0805, 1/10W,
2.00000	2.00000	EA 100.00	Y 5/23/00
...4 1%	28	934133	R4, R16 RES, SMD, 150K OHM, 0805, 1/10W,
2.00000	2.00000	EA 100.00	Y 5/23/00
...4 1%	29	934134	R8, R21 RES, SMD, 0805, 332K OHM, 1/10W,
2.00000	2.00000	EA 100.00	Y 5/23/00
...4	40	908748	R6, R18 XSTR, SMD, MMBT2222ALT1
2.00000	2.00000	EA 100.00	Y 5/23/00
...4	45	909028	Q1, Q2 IC, OP AMP, LOW NOISE QUAD, SMD
1.00000	1.00000	EA 100.00	Y 12/08/00
..3 II	23	950896	U1 PWB ASSY, KA FDTHRU/FLTR, BEEI
1.00000	1.00000	EA 100.00	N 12/14/00
...4 II	1	907168A	PWB, KA FEEDTHRU/FILTER, BEE I
1.00000	1.00000	EA 100.00	N 7/18/00
...4	2	908052	FILTER, EMI, SMD

4.00000 4.00000 EA 100.00 Y 7/18/00
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ENGINEERING ASSEMBLY REPORT

ASSEMBLY NAME 990653

ANTENNA ASSY, BEE III

CLASS 072

UNIT OF MEASURE EA

REVISION LEVEL

REVISION DATE

3/13/01

DRAWING NUMBER

LOW LEVEL CODE

1

LEVEL

BALLOON COMPONENT

PRODUCT

ENGINEER

TOTAL

EFFECTIVITY

NUMBER ACT

NBR

NAME

DESCRIPTION

antenna

QUANTITY	QUANTITY U/M	YIELD	TXT	STS	DATES
...4	3	903880		FL1-FL4 SOCKET, MINTR	SPR, .034-.041PD
5.00000	5.00000	EA 100.00	Y	J1	7/18/00
*** END OF REPORT ***					
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ries,					
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Y					
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	PRINT ASSEMBLY REPORT BY				A-ASSEMBLY
	NUMBER OF LEVELS TO EXPLODE				99
	COMPONENT SEQUENCE				1-BALLOON NO.
	EFFECTIVE DATE				3/28/01
	BASE COMPONENTS ONLY				N
	QUANTITY TO PRINT				E-ENGINEER
	INCLUDE PRODUCTION TEXT				Y
	INCLUDE ENGINEERING TEXT				Y
	FROM ASSEMBLY				990653
	TO ASSEMBLY				990653
*** END OF SUMMARY ***					