

Item Selection: Specific

Item: MAF900-60S-9

Alternate Selection: All

Alternate:

Revision: 1

Date: 2001/10/24 09:43:33

Item From:

To:

Category Set: Inventory

Category From:

To:

Level to Explode: 10

Implemented Only: Yes

Display Option: Current

Explosion Quantity: 1

Assembly Detail: No

Order Entry Detail: No

Leadtime Detail: No

Reference Designators: No

Substitute Components: No

Order By: Op Seq, Item Seq

Use Planning Percent: No

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Engineering Bill of Material Structure Report

Report Date: 24-OCT-2001 09:43

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Explosion Level: 10

Implemented Only: Yes

Display Option: Current

Explosion Quantity: 1

Item: MAF900-60S-9 60W MCPA, 935-940MHZ

Alternate: Primary

UOM: EA

Revision: 1

Engineering Bill: Yes

Date: 2001/10/2 09:43

Level	Item Op		Seq	Item	Description	---Effective--- ---Disable---		Rev	UOM	Date	Time	Extended		Quantity ECO
	Seq					Time	Quantity							
1	1	1	11000-00095	FINAL ASSY, 60W MCPA, 935-940MHZ	8	EA	08-JUN-01	15:41				1	1	
.2	1	1	31001-00545	SHIELD, SIDE A, SECOND LOOP CCA	2	EA	10-OCT-01	16:36				1	1	
.2	2	1	31001-00546	SHIELD, SIDE B, SECOND LOOP CCA	2	EA	10-OCT-01	16:40				1	1	
.2	3	1	31002-00752	WALL, ERROR AMP, SECOND LOOP MODULE	1	EA	29-JUN-01	11:56				1	1	
.2	4	1	31002-00753	WALL, ERROR AMP % 30dB COUPLER, SECOND LOOP MODULE	2	EA	29-JUN-01	11:56				1	1	
.2	5	1	31002-00754	WALL, LEFT, ERROR AMP, SECOND LOOP MODULE	2	EA	29-JUN-01	11:56				1	1	
.2	6	1	31002-00755	WALL, RIGHT, 10dB, SECOND LOOP MODULE	3	EA	29-JUN-01	11:57				1	1	
.2	7	1	31002-00756	WALL, DIVIDER, ERROR AMP, SECOND LOOP MODULE	4	EA	29-JUN-01	11:57				1	1	
.2	8	1	31002-00757	WALL, DIVIDER, HYBRID, ERROR AMP, SECOND	4	EA	29-JUN-01	11:57				1	1	

LOOP MODULE									
.2	9	1	31002-00758	WALL, DIVIDER, 3	EA	29-JUN-01 11:57		1	1
10dB, ERROR									
AMP, SECOND									
LOOP MODULE									
.2	10	1	31002-00759	WALL, DIVIDER, 2	EA	29-JUN-01 11:57		1	1
10dB, SECOND									
LOOP MODULE									
.2	11	1	31002-00760	WALL, LEFT, 2	EA	29-JUN-01 11:57		1	1
30dB, SECOND									
LOOP MODULE									
.2	12	1	31002-00761	WALL, RIGHT, 3	EA	29-JUN-01 11:57		1	1
30dB, SECOND									
LOOP MODULE									
.2	13	1	31002-00762	WALL, TOP, 1	EA	29-JUN-01 11:58		1	1
30dB, SECOND									
LOOP MODULE									

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Explosion Level: 10

Implemented Only: Yes

Display Option: Current

Explosion Quantity: 1

Item: MAF900-60S-9 60W MCPA, 935-940MHZ

Alternate: Primary

UOM: EA Revision: 1

Engineering Bill: Yes

Date: 2001/10/2 09:43

Components

Level	Seq	Op Seq	Item	Description	Rev	UOM	Effective Date	Disabling Date	Time	Extended Time	Quantity	Quantity ECO
.2	14	1	31002-00763	PLATE, BASE, SECOND LOOP MODULE	9	EA	29-JUN-01	11:58			1	1

.2	15	1	31002-00764	WALL, DIVIDER, 1	EA	29-JUN-01 11:58	1	1
				30dB, SECOND LOOP MODULE				
.2	16	1	31002-00765	WALL, BOTTOM, 2	EA	29-JUN-01 11:58	1	1
				10dB, SECOND LOOP				
.2	17	1	31001-00525	COVER, 30dB 4	EA	29-JUN-01 11:58	1	1
				COUPLER, SECOND LOOP MODULE				
.2	18	1	31001-00526	COVER, ERROR 6	EA	29-JUN-01 11:58	1	1
				AMP, SECOND LOOP MODULE				
.2	19	1	31001-00505	BRACKET, 4	EA	29-JUN-01 13:06	1	1
				CONNECTOR SUPPORT				
.2	20	1	31001-00577	TRAY, TOP, 3	EA	11-OCT-01 09:08	1	1
				PHASE 2, MAF900/800-60				
.2	24	1	31001-00568	ENCLOSURE, 7	EA	11-OCT-01 08:43	1	1
				LEVEL, CONTROL				
.2	25	1	31001-00571	COVER, 1	EA	11-OCT-01 08:43	1	1
				ENCLOSURE, PHASE 2, MAF900-60				
.2	26	1	31001-00590	COVER, MOD, 1	EA	11-OCT-01 08:44	1	1
				DETECTOR, PHASE 2				
.2	29	1	31002-00770	WALL, MAIN 3	EA	29-JUN-01 16:16	1	1
				AMP/ERROR AMP				
.2	30	1	31002-00769	WALL, CONTROL, 5	EA	29-JUN-01 16:17	1	1
				MAIN AMP/LEVEL				
.2	31	1	31002-00771	WALL, FRONT, 1	EA	29-JUN-01 16:18	1	1
				HEATSINK 1				
.2	32	1	31002-00772	WALL, BOTTOM, 2	EA	29-JUN-01 16:19	1	1
				HEATSINK 1				
.2	33	1	31002-00773	WALL, TOP, 9	EA	29-JUN-01 16:20	1	1

HEATSKINK 1

.2	34	1	31002-00834	PLATE, BASE, 5	EA	11-OCT-01 08:44	1	1
				LEVEL, CONTROL				
.2	35	1	31004-00070	HEATSINK 1 :12	EA	29-JUN-01 16:21	1	1
				(RIGHT SIDE)				
.2	36	1	63000-00312	BOM, COUPLER, 6	EA	29-JUN-01 16:21	1	1
				30DB,				
				CANCELLATION				

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Engineering Bill of Material Structure Report

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Explosion Level: 10

Implemented Only: Yes

Display Option: Current

Explosion Quantity: 1

Item: MAF900-60S-9 60W MCPA, 935-940MHZ

Engineering Bill: Yes

Alternate: Primary

UOM: EA Revision: 1

Date: 2001/10/2 09:43

Components

Level	Item Op	Seq	Seq	Item	Description	Rev	UOM	Date	Time	Date	Extended	Quantity	Quantity ECO
..3	1	1		64000-00312	PCB, COUPLER, 5	EA		27-JUN-01 08:03				1	1
					30dB,								
					CANCELLATION								
..3	3	1		72200-00006	COUPLER, 815- A	EA		27-JUN-01 08:25				2	2
					960MHZ, 100W,								
					1D1304-20								
..3	4	1		71722-10510	RES, CHIP, 51 A	EA		13-SEP-01 15:25				3	3
					OHM, 1206, 5%,								
					1/4W								
..3	5	1		71747-10510	RES, CHIP, 51 A	EA		27-JUN-01 08:26				1	1
					OHM, 2512, 5%,								
					1W								

..3	6	1	72200-00025	COUPLER, 30BD, A	EA	27-JUN-01 08:26	1	1
				880MHZ, S30B888N2				
..3	7	1	72200-00007	COUPLER, SMT, A	EA	09-AUG-01 11:07	1	1
				815-960MHZ 1D1304-10				
..3	8	1	65000-00312	CCA, COUPLER, 4	EA	13-SEP-01 15:27	0	0
				30dB, CANCELLATION				
..3	9	1	71711-10300	RES, CHIP, 30 A	EA	20-SEP-01 14:48	1	1
				OHM, 0805, 5%, 1/8W				
..3	10	1	71711-10180	RES, CHIP, 18 A	EA	15-OCT-01 14:28	1	1
				OHM, 0805, 5%, 1/8W				
..3	11	1	71711-10131	RES, CHIP, 130 A	EA	20-SEP-01 14:49	2	2
				OHM, 0805, 5% 1/8W				
..3	12	1	71711-10430	RES, CHIP, 43 A	EA	20-SEP-01 14:50	1	1
				OHM, 0805, 1/8W				
..2	37	1	63001-00313	BOM, PRE-ERROR 1	EA	15-OCT-01 11:11	1	1
				AMP 900MHz, 60W ERROR AMP				
..3	1	1	64000-00313	PCB, PRE-ERROR 4	EA	13-SEP-01 14:08	1	1
				AMP/60W ERROR AMP				
..3	2	1	72200-00005	COUPLER, 815- A	EA	13-SEP-01 14:08	2	2
				960MHZ, 100W, 1D1304-3T				
..3	3	1	72200-00007	COUPLER, SMT, A	EA	13-SEP-01 14:08	1	1
				815-960MHZ 1D1304-10				
..3	4	1	70218-10104	CAP, CHIP, A	EA	13-SEP-01 14:08	11	11
				0.1uF, 0805, 50V, 5%				

Explosion Level: 10
 Implemented Only: Yes
 Display Option: Current
 Explosion Quantity: 1

Item: MAF900-60S-9 60W MCPA, 935-940MHZ Engineering Bill: Yes
 Alternate: Primary UOM: EA Revision: 1 Date: 2001/10/2 09:43

Components

Level	Item Op	Seq	Seq	Item	Description	Rev	UOM	Date	Time	Date	Extended Time	Quantity	Quantity ECO
..3	5	1		70211-10270	CAP, CHIP, 27PF, 0805, 100V, 5%	1	EA	13-SEP-01	14:08			8	8
..3	6	1		70211-10101	CAP, CHIP, 100pF, 0805, 100V, 5%	A	EA	13-SEP-01	14:08			2	2
..3	7	1		70218-10102	CAP, CHIP, 1000pF, 0805 50V 5%	A	EA	13-SEP-01	14:08			3	3
..3	8	1		70228-10104	CAP, CHIP, 0.1uF, 1206, 50V, 5%	A	EA	13-SEP-01	14:08			7	7
..3	10	1		70245-11680	CAP, CHIP, 6.8pF, B-SIZE, 500V, 5%	A	EA	13-SEP-01	14:08			6	6
..3	11	1		70245-11820	CAP, CHIP, 8.2pF, B-SIZE, 500V, 5%	A	EA	13-SEP-01	14:08			2	2
..3	12	1		70245-10120	CAP, CHIP, 12pF, B-SIZE, 500V, 5%	A	EA	13-SEP-01	14:08			4	4

..3	13	1	70107-10106	CAP, TANT,	A	EA	13-SEP-01 14:08	2	2
				10uF, 3010,					
				35V, 20%					
..3	14	1	70108-10106	CAP, TANT,	A	EA	13-SEP-01 14:08	3	3
				10uF, H-SIZE,					
				50V, 20%					
..3	15	1	72400-00015	DIODE, PIN,	A	EA	13-SEP-01 14:08	4	4
				DUAL, HSMP-					
								3814	
..3	16	1	72200-00032	COUPLER,	A	EA	13-SEP-01 14:08	3	3
				HYBRID, 90					
				DEG, 0.82-					
				0.90GHz, HY86-					
								12	
..3	17	1	72100-00002	INDUCTOR,	A	EA	13-SEP-01 14:08	4	4
				CHIP, 47nH,					
				KL32TE470J					
..3	18	1	74300-00001	REGULATOR, 5	A	EA	13-SEP-01 14:08	1	1
				VOLT, DPAK,					
				MC78M05					
..3	19	1	74400-00003	TRANS, NPN,	A	EA	13-SEP-01 14:08	1	1
				SOT-23,					
				MMBT2222ALT 1					
..3	20	1	74500-00005	TRANS, MOSFET, A	EA	EA	13-SEP-01 14:08	1	1
				1.2A, 60V,					
				MMFT2955ET1					
..3	21	1	72002-00006	SPLITTER	1	EA	13-SEP-01 14:08	1	1

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Engineering Bill of Material Structure Report

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Explosion Level: 10

Implemented Only: Yes

Display Option: Current

Explosion Quantity: 1

Item: MAF900-60S-9 60W MCPA, 935-940MHZ

Alternate: Primary

UOM: EA Revision: 1

Engineering Bill: Yes

Date: 2001/10/2 09:43

Level	Item Op		Seq	Seq	Item	Description	--Effective-- ---Disable---			Extended		Quantity ECO
	Rev	UOM					Date	Time	Date	Time	Quantity	
..3	22	1	71820-00003	COMBINER, TWO-WAY, ZERO DEG. PWR., 0.81-0.96 GHz, PD09-73	RES, VAR, 5K	A	EA	13-SEP-01	14:08		2	2
..3	23	1	71711-10510	OHM, SMT, MULTI TURN, TS63Y	RES, CHIP, 51	A	EA	13-SEP-01	14:08		2	2
..3	24	1	71711-10102	OHM, 0805, 5%, 1/8W	RES, CHIP, 1K	A	EA	13-SEP-01	14:08		2	2
..3	25	1	71711-10561	OHM 0805 5% 1/8W	RES, CHIP, 560	A	EA	13-SEP-01	14:08		4	4
..3	26	1	71722-10102	OHM, 1206, 5%, 1/4W	RES, CHIP, 1K	A	EA	13-SEP-01	14:08		3	3
..3	27	1	71722-10302	OHM, 1206, 5%, 1/4W	RES, CHIP, 3K	A	EA	13-SEP-01	14:08		2	2
..3	29	1	71722-10472	1206, 5% 1/4W	RES, CHIP, 4.7K	A	EA	13-SEP-01	14:08		1	1
..3	30	1	71722-10270	OHM 1206, 5%, 1/4W	RES, CHIP, 27	A	EA	13-SEP-01	14:08		2	2

..3	31	1	71747-10150	RES, CHIP, 15 A	EA	13-SEP-01 14:08	4	4
				OHM, 2512, 5%, 1W				
..3	32	1	71747-10510	RES, CHIP, 51 A	EA	13-SEP-01 14:08	1	1
				OHM, 2512, 5%, 1W				
..3	33	1	71747-10111	RES, CHIP, 110 A	EA	13-SEP-01 14:08	2	2
				OHM, 2512, 5%, 1W				
..3	34	1	74200-00003	AMP, GENERAL	A	EA 13-SEP-01 14:08	2	2
				PURPOSE, RF2044				
..3	35	1	74300-00004	V. REG, 12V, A	EA	13-SEP-01 14:08	1	1
				500mA, MC78M12BDT				
..3	36	1	71711-10180	RES, CHIP, 18 A	EA	13-SEP-01 14:08	1	1
				OHM, 0805, 5%, 1/8W				

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Engineering Bill of Material Structure Report

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Explosion Level: 10

Implemented Only: Yes

Display Option: Current

Explosion Quantity: 1

Item: MAF900-60S-9 60W MCPA, 935-940MHZ

Engineering Bill: Yes

Alternate: Primary

UOM: EA Revision: 1

Date: 2001/10/2 09:43

Components

Item Op				--Effective-- ---Disable---				Extended				
Level	Seq	Seq	Item	Description	Rev	UOM	Date	Time	Date	Time	Quantity	Quantity ECO
..3	37	1	71711-10271	RES, CHIP, 270 A	EA	13-SEP-01	14:08				2	2
				OHM, 0805, 5%,								

			1/8W								
..3	38	1	72400-00017	DIODE, DUAL	A	EA	14-SEP-01 10:07	2	2		
				SWITCHING,							
				BAV99LT1, SOT-							
										23	
..3	39	1	65000-00313	CCA, PRE-ERROR 2	EA	EA	14-SEP-01 10:07	0	0		
				AMP/60W ERROR							
				AMP							
..2	38	1	63000-00390	BOM, AMP, MAIN 3	EA	EA	15-OCT-01 11:10	1	1		
..3	1	1	64000-00390	PCB, AMP, MAIN 1	EA	EA	18-SEP-01 14:54	1	1		
..3	2	1	72200-00005	COUPLER, 815-	A	EA	18-SEP-01 14:53	5	5		
				960MHZ, 100W,							
				1D1304-3T							
..3	3	1	70211-10270	CAP, CHIP,	1	EA	18-SEP-01 14:53	25	25		
				27PF, 0805,							
				100V, 5%							
..3	4	1	70107-10106	CAP, TANT,	A	EA	18-SEP-01 14:53	11	11		
				10uF, 3010,							
				35V, 20%							
..3	5	1	70108-10106	CAP, TANT,	A	EA	18-SEP-01 14:53	11	11		
				10uF, H-SIZE,							
				50V, 20%							
..3	6	1	70218-10104	CAP, CHIP,	A	EA	18-SEP-01 14:53	28	28		
				0.1uF, 0805,							
				50V, 5%							
..3	7	1	70218-10102	CAP, CHIP,	A	EA	18-SEP-01 14:53	11	11		
				1000pF, 0805							
				50V 5%							
..3	8	1	70245-11330	CAP, CHIP,	A	EA	18-SEP-01 14:53	2	2		
				3.3pF, B-SIZE,							
				500V, 5%							
..3	9	1	70245-11680	CAP, CHIP,	A	EA	18-SEP-01 14:53	16	16		
				6.8pF, B-SIZE,							
				500V, 5%							
..3	10	1	70245-11820	CAP, CHIP,	A	EA	18-SEP-01 14:53	6	6		
				8.2pF, B-SIZE,							
				500V, 5%							

..3	12	1	70245-10120	CAP, CHIP, 12pF, B-SIZE, 500V, 5%	A	EA	18-SEP-01 14:53	6	6
..3	13	1	70245-10270	CAP, CHIP, 27pF, B-SIZE, 500V, 5%	A	EA	18-SEP-01 14:53	8	8
..3	14	1	74300-00001	REGULATOR, 5 VOLT, DPAK, MC78M05	A	EA	18-SEP-01 14:53	1	1

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Engineering Bill of Material Structure Report

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Explosion Level: 10

Implemented Only: Yes

Display Option: Current

Explosion Quantity: 1

Item: MAF900-60S-9 60W MCPA, 935-940MHZ

Alternate: Primary

UOM: EA Revision: 1

Engineering Bill: Yes

Date: 2001/10/2 09:43

Components

Level	Item Op			Description	--Effective-- ---Disable---			Extended		Quantity ECO	
	Seq	Seq	Item		Rev	UOM	Date	Time	Date		Time
..3	15	1	72400-00013	DIODE, SMT, DETECTOR, 70V, MMBD701LT1	A	EA	18-SEP-01	14:53		1	1
..3	16	1	74400-00003	TRANS, NPN, SOT-23, MMBT2222ALT 1	A	EA	18-SEP-01	14:53		1	1
..3	17	1	74500-00005	TRANS, MOSFET, 1.2A, 60V, MMFT2955ET1	A	EA	18-SEP-01	14:53		1	1
..3	18	1	71820-00003	RES, VAR, 5K OHM, SMT,	A	EA	18-SEP-01	14:53		6	6

MULTI TURN, TS63Y											
..3	19	1	71711-10102	RES, CHIP, 1K	A	EA	18-SEP-01	14:53	8	8	
				OHM, 0805, 5%, 1/8W							
..3	20	1	71711-10302	RES,CHIP, 3K	1	EA	18-SEP-01	14:53	6	6	
				OHM, 0805, 5%, 1/8W							
..3	21	1	71711-10472	RES, CHIP,	A	EA	18-SEP-01	14:53	1	1	
				4.7K OHM, 0805, 5%, 1/8W							
..3	22	1	71711-10270	RES, CHIP, 27	A	EA	18-SEP-01	14:53	2	2	
				OHM, 0805, 5%, 1/8W							
..3	23	1	71711-10510	RES, CHIP, 51	A	EA	18-SEP-01	14:53	1	1	
				OHM, 0805, 5%, 1/8W							
..3	24	1	71747-10150	RES, CHIP, 15	A	EA	18-SEP-01	14:53	4	4	
				OHM, 2512, 5%, 1W							
..3	25	1	71747-10510	RES, CHIP, 51	A	EA	18-SEP-01	14:53	3	3	
				OHM, 2512, 5%, 1W							
..3	27	1	71711-11510	RES, CHIP, 5.1	A	EA	18-SEP-01	14:53	8	8	
				OHM, 0805, 5%, 1/8W							
..3	28	1	71711-10122	RES, CHIP,	A	EA	18-SEP-01	14:53	1	1	
				1.2K OHM, 0805,5%, 1/8W							
..3	32	1	65000-00390	CCA, AMP, MAIN	1	EA	18-SEP-01	14:54	0	0	
..3	33	1	70245-11560	CAP, CHIP,	A	EA	18-SEP-01	15:09	2	2	
				5.6pF, B-SIZE, 500V, 5%							
..3	34	1	72400-00017	DIODE, DUAL	A	EA	18-SEP-01	15:16	4	4	
				SWITCHING, BAV99LT1, SOT-							

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Report Date: 24-OCT-2001 09:43

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Explosion Level: 10

Implemented Only: Yes

Display Option: Current

Explosion Quantity: 1

Item: MAF900-60S-9 60W MCPA, 935-940MHZ

Alternate: Primary

UOM: EA Revision: 1

Engineering Bill: Yes

Date: 2001/10/2 09:43

Components

	Item Op			--Effective--	---Disable---				Extended			
Level	Seq	Seq	Item	Description	Rev	UOM	Date	Time	Date	Time	Quantity	Quantity ECO
.2	39	1	31002-00857	PROTECTOR, SW BREAKER, PHASE 2, MAIN AMP	1	EA	11-OCT-01	08:45			1	1
.2	40	1	31001-00547	SHIELD, FIRST LOOP CCA	2	EA	10-OCT-01	16:52			1	1
.2	41	1	63000-00352	BOM, DISPLAY BOARD	2	EA	13-AUG-01	08:42			1	1
..3	1	1	64000-00352	PCB, DISPLAY BOARD	1	EA	11-JUL-01	14:18			1	1
..3	2	1	78100-00029	IC, HEX, INVERTER, SN74HC04D	A	EA	11-JUL-01	14:18			1	1
..3	3	1	57000-00001	SWITCH, TOGGLE, MINIATURE, DPDT	A	EA	11-JUL-01	14:18			1	1
..3	4	1	72700-00014	LED, RED/GRN, DIFFUSED, 5MM	A	EA	11-JUL-01	14:19			1	1
..3	5	1	73500-00035	CONN, HEADER, SHROUDED,	1	EA	06-AUG-01	14:13			1	1

QTY	UNIT	DESCRIPTION	DATE	TIME	QTY	UNIT
..3	6	1 71711-10103 RES, CHIP, 10K A EA 11-JUL-01 14:19	2	2		
		OHM, 0805, 5%, 1/8W				
..3	7	1 71711-10561 RES, CHIP, 560 A EA 11-JUL-01 14:19	2	2		
		OHM 0805 5% 1/8W				
..3	8	1 70218-10104 CAP, CHIP, A EA 12-JUL-01 13:05	1	1		
		0.1uF, 0805, 50V, 5%				
.2	42	1 31002-00776 WALL, DIVIDER, 4 EA 06-JUL-01 07:51	1	1		
		SMALL, LEVEL CONTROL, HEATSINK1				
.2	43	1 31001-00531 COVER, FIRST 1 EA 06-JUL-01 07:52	1	1		
		LOOP, HEATSINK1, MAF900-60S				
.2	44	1 31001-00529 COVER, AMP, 1 EA 06-JUL-01 07:52	1	1		
		MAIN, HEATSINK1, MAF900-60S				
.2	45	1 31001-00528 COVER, 3 EA 06-JUL-01 07:53	1	1		
		CONTROL, LEVEL, HEATSINK1, MAF900-60S				

IO-101 WS INVENTORY ORG

Engineering Bill of Material Structure Report

Report Date: 24-OCT-2001 09:43

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Explosion Level: 10

Implemented Only: Yes

Display Option: Current

Explosion Quantity: 1

Item: MAF900-60S-9 60W MCPA, 935-940MHZ

Engineering Bill: Yes

Alternate: Primary

UOM: EA Revision: 1 Date: 2001/10/2 09:43

Components

Level	Item Op Seq Seq	Item	Description	Rev	UOM	Date	Time	Extended Time	Quantity	Quantity ECO
.2	46 1	31001-00527	PLATE, ISOLATOR, MOUNTING, MAF900-60S	3	EA	06-JUL-01	07:53	1	1	
.2	47 1	31002-00775	WALL, VERTICAL, HEATSINK1, MAF900-60S	2	EA	06-JUL-01	07:53	1	1	
.2	48 1	31002-00864	MODULE, DETECTOR, PHASE 2	1	EA	11-OCT-01	08:45	1	1	
.2	59 1	31001-00530	PANEL, FRONT, MAF900-60S	6	EA	06-JUL-01	11:25	1	1	
.2	60 1	74500-00021	TRANS, LDMOS, A 880 MHZ, 170 W MRF9180	A	EA	06-JUL-01	13:48	4	4	
.2	61 1	75500-00032	TRANS, MOSFET, A RF, 945MHZ, 60W, XRF9060	A	EA	06-JUL-01	13:48	4	4	
.2	62 1	71580-10500	RES, TERM, 50 OHM, 20W, FLG CENTER MT	A	EA	06-JUL-01	13:49	3	3	
.2	63 1	71590-10500	RES, TERM, 50 OHM, 100W, FLANG CENTER MNT	A	EA	06-JUL-01	13:49	1	1	
.2	64 1	72030-00003	HANDLE, OVAL, 4.50 SPACING, BLACK	A	EA	06-JUL-01	13:50	1	1	

.2	65	1	74100-00002	HYBRID, 800-	A	EA	06-JUL-01 13:50	3	3
				925MHZ, 8W, MHL-9838					
.2	68	1	63000-00187	CCA, SENSOR,	B	EA	06-JUL-01 15:34	1	1
				TEMP					
..3	1	1	64000-00187	PCB, TEMP,	D	EA	26-FEB-01 16:31	1	1
				SENSOR					
..3	2	1	70218-10104	CAP, CHIP,	A	EA	26-FEB-01 16:32	2	2
				0.1uF, 0805, 50V, 5%					
..3	3	1	78100-00006	IC,	C	EA	26-FEB-01 16:32	1	1
				TEMPERATURE SENSOR, AD22100AT					
.2	69	1	72500-00023	FILTER, EMI,	A	EA	06-JUL-01 15:35	23	23
				8-32, 10K PF, 200WVDC					
.2	70	1	31001-00078	LUG, GROUND,	A	EA	06-JUL-01 15:35	1	1
				SOLDER, .086					

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Engineering Bill of Material Structure Report

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Explosion Level: 10

Implemented Only: Yes

Display Option: Current

Explosion Quantity: 1

Item: MAF900-60S-9 60W MCPA, 935-940MHZ

Engineering Bill: Yes

Alternate: Primary

UOM: EA Revision: 1

Date: 2001/10/2 09:43

Components

Item Op				--Effective-- ---Disable---				Extended					
Level	Seq	Seq	Item	Description	Rev	UOM	Date	Time	Date	Time	Quantity	Quantity	ECO

.2	71	1	31001-00079	LUG, GROUND,	A	EA	06-JUL-01	15:36			12	12	

SOLDER, .141									
.2	72	1	63000-00315	BOM, 10DB,	4	EA	09-JUL-01 08:24	1	1
COUPLER									
..3	1	1	64000-00315	PCB, 10DB,	4	EA	26-JUN-01 16:03	1	1
COUPLER									
..3	2	1	71722-10510	RES, CHIP, 51	A	EA	13-SEP-01 15:34	2	2
OHM, 1206, 5%, 1/4W									
..3	3	1	72200-00024	COUPLER, 10DB, A		EA	26-JUN-01 16:04	1	1
200W, 869- 960MHZ, S10B888N2									
..3	4	1	65000-00315	CCA, 10dB	3	EA	13-SEP-01 15:33	0	0
COUPLER BD									
..3	5	1	71711-10750	RES, CHIP, 75	A	EA	19-SEP-01 15:07	1	1
OHM, 0805, 5%, 1/8W									
..3	6	1	71711-10300	RES, CHIP, 30	A	EA	19-SEP-01 15:08	1	1
OHM, 0805, 5%, 1/8W									
..3	7	1	71722-10181	RES, CHIP, 180	A	EA	19-SEP-01 15:09	2	2
OHM 1206 5% 1/4W									
..3	8	1	71722-10910	RES, CHIP 91	A	EA	19-SEP-01 15:10	2	2
OHM, 1206, 5%, 1/4W									
.2	74	1	63000-00347	BOM, LEVEL	3	EA	09-JUL-01 08:24	1	1
CONTROL									
..3	1	1	64000-00347	PCB, LEVEL	2	EA	03-JUL-01 15:11	1	1
CONTROL									
..3	2	1	78100-00064	IC, QUAD,	A	EA	03-JUL-01 15:11	1	1
ANALOG, SWITCH, MC74HC4066D									
..3	3	1	70108-10106	CAP, TANT,	A	EA	03-JUL-01 15:12	1	1
10uF, H-SIZE, 50V, 20%									

..3	4	1	70218-10103	CAP, CHIP,	A	EA	03-JUL-01 15:12	1	1
				.01uF, 0805,					
				50V, 5%					
..3	5	1	70218-10104	CAP, CHIP,	A	EA	03-JUL-01 15:13	6	6
				0.1uF, 0805,					
				50V, 5%					
..3	6	1	70211-10270	CAP, CHIP,	1	EA	03-JUL-01 15:13	2	2
				27PF, 0805,					
				100V, 5%					
..3	7	1	70218-10102	CAP, CHIP,	A	EA	03-JUL-01 15:14	3	3
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Explosion Level: 10
Implemented Only: Yes
Display Option: Current
Explosion Quantity: 1

Item: MAF900-60S-9 60W MCPA, 935-940MHZ Engineering Bill: Yes
Alternate: Primary UOM: EA Revision: 1 Date: 2001/10/2 09:43

Components

Level	Seq	Seq	Item	Description	Rev	UOM	Date	Time	Date	Time	Quantity	Quantity ECO

				1000pF, 0805								
				50V 5%								
..3	8	1	72400-00015	DIODE, PIN,	A	EA	03-JUL-01 15:19				2	2
				DUAL, HSMP-								
												3814
..3	9	1	72400-00030	DIODE,	A	EA	03-JUL-01 15:20				1	1
				DETECTOR,								
				SCHOTTKY, SMT,								
				HSMS-2850-L31								
..3	10	1	72200-00032	COUPLER,	A	EA	03-JUL-01 17:16				2	2

12

..3	11	1	78100-00002	IC, OP AMP,	A	EA	03-JUL-01 15:21	1	1
				DUAL LOW PWR,					
				LM2904D					
..3	13	1	74400-00003	TRANS, NPN,	A	EA	03-JUL-01 15:21	1	1
				SOT-23,					
				MMBT2222ALT 1					
..3	14	1	72400-00025	DIODE,	A	EA	03-JUL-01 15:22	4	4
				VOLTAGE,					
				VARIABLE,					
				MMBV105GLTI					
..3	17	1	71711-10102	RES, CHIP, 1K	A	EA	03-JUL-01 15:27	6	6
				OHM, 0805, 5%					
				1/8W					
..3	19	1	71711-10510	RES, CHIP, 51	A	EA	03-JUL-01 15:28	3	3
				OHM, 0805, 5%,					
				1/8W					
..3	20	1	71711-10331	RES, CHIP, 330	A	EA	03-JUL-01 16:42	1	1
				OHM, 0805, 5%,					
				1/8W					
..3	21	1	71711-10561	RES, CHIP, 560	A	EA	03-JUL-01 15:29	2	2
				OHM 0805 5%					
				1/8W					
..3	24	1	71722-10472	RES, CHIP,	A	EA	03-JUL-01 15:30	1	1
				4.7K OHM,					
				1206, 5% 1/4W					
..3	25	1	71722-11510	RES, CHIP, 5.1	A	EA	03-JUL-01 15:30	1	1
				OHM, 1206, 5%,					
				1/4W					
..3	26	1	71711-10202	RES, CHIP, 2K	A	EA	13-SEP-01 08:07	2	2
				OHM, 0805, 5%,					
				1/8W					
..3	27	1	71711-10121	RES, CHIP, 120	A	EA	13-SEP-01 08:08	2	2
				OHM, 0805, 5%,					

1/8W
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 Engineering Bill of Material Structure Report

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Explosion Level: 10
 Implemented Only: Yes
 Display Option: Current
 Explosion Quantity: 1

Item: MAF900-60S-9 60W MCPA, 935-940MHZ
 Alternate: Primary UOM: EA Revision: 1 Engineering Bill: Yes
 Date: 2001/10/2 09:43

Components

Level	Item Op	Seq	Seq	Item	Description	Rev	UOM	Date	Time	Date	Extended Time	Quantity	Quantity ECO
..3	28	1	1	71711-10103	RES, CHIP, 10K A	EA	13-SEP-01	08:10				1	1
					OHM, 0805, 5%, 1/8W								
..3	29	1	1	71830-00006	RES, VAR, 10K A	EA	13-SEP-01	08:18				3	3
					OHM, SMT, MULTI-TURN, TS63Y								
..3	30	1	1	65000-00347	CCA, LEVEL	1	EA	13-SEP-01	08:31			0	0
					CONTROL								
..2	76	1	1	62000-00029	CCA, FINAL,	1	EA	11-OCT-01	08:46			1	1
					900MHz, PRE- MAIN								
..3	1	1	1	63000-00365	BOM, PRE-MAIN, 4	EA	08-OCT-01	10:39				1	1
					800MHz								
...4	1	1	1	64000-00365	PCB, PRE-MAIN, 3	EA	31-JUL-01	15:36				1	1
					800MHz								
...4	2	1	1	70233-10270	CAP, CHIP, A	EA	31-JUL-01	15:35				2	2
					27pF, A-SIZE, 150V, 5%								

...4	3	1	72400-00015	DIODE, PIN, DUAL, HSMP-	A	EA	31-JUL-01 15:35	4	4
...	...	...	...	...	...	...	...	3814	...
...4	4	1	72200-00032	COUPLER, HYBRID, 90 DEG, 0.82- 0.90GHz, HY86-	A	EA	31-JUL-01 15:35	3	3
...	...	...	...	...	...	...	...	12	...
...4	6	1	72100-00002	INDUCTOR, CHIP, 47nH, KL32TE470J	A	EA	31-JUL-01 15:35	1	1
...4	7	1	72002-00006	SPLITTER COMBINER, TWO- WAY, ZERO DEG. PWR., 0.81- 0.96 GHz, PD09-73	1	EA	31-JUL-01 15:35	1	1
...4	8	1	71711-10102	RES, CHIP, 1K OHM, 0805, 5% 1/8W	A	EA	31-JUL-01 15:35	2	2
...4	9	1	71711-10510	RES, CHIP, 51 OHM, 0805, 5%, 1/8W	A	EA	31-JUL-01 15:35	3	3
...4	10	1	71711-10511	RES, CHIP, 510 OHM, 0805, 5%, 1/8W	A	EA	31-JUL-01 15:35	4	4
...4	11	1	71747-10111	RES, CHIP, 110 OHM, 2512, 5%, 1W	A	EA	31-JUL-01 15:35	1	1

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Engineering Bill of Material Structure Report

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Explosion Level: 10

Implemented Only: Yes

Display Option: Current

Explosion Quantity: 1

Engineering Bill: Yes

UOM: EA Revision: 1

Date: 2001/10/2 09:43

Level	Item Op		Seq	Item	Description	--Effective-- ---Disable---		Time	Date	Extended		Quantity ECO
	Seq	Seq				Rev	UOM			Time	Quantity	
...4	12	1	74200-00003	AMP, GENERAL PURPOSE, RF2044	A	EA	31-JUL-01	15:35			1	1
...4	13	1	72200-00006	COUPLER, 815-960MHZ, 100W, 1D1304-20	A	EA	31-JUL-01	15:35			1	1
...4	15	1	70218-10104	CAP, CHIP, 0.1uF, 0805, 50V, 5%	A	EA	31-JUL-01	15:35			3	3
...4	16	1	72200-00007	COUPLER, SMT, 815-960MHZ 1D1304-10	A	EA	17-AUG-01	10:12			1	1
...4	17	1	65000-00365	CCA, PRE-MAIN, 800MHZ	3	EA	19-SEP-01	10:35			0	0
...4	18	1	71722-10910	RES, CHIP, 1206, 5%, 1/4W	91	A	EA	19-SEP-01	10:37		2	2
...4	19	1	71722-10181	RES, CHIP, 180 OHM 1206 5% 1/4W	A	EA	19-SEP-01	10:39			2	2
...4	20	1	71722-10300	RES, CHIP, 30 OHM, 1206, 5%, 1/4W	A	EA	19-SEP-01	10:39			1	1
...4	21	1	71711-10750	RES, CHIP, 75 OHM, 0805, 5%, 1/8W	A	EA	19-SEP-01	10:40			1	1
..3	2	1	72300-00025	ISOLATOR, 925-960MHz, SI-	1	EA	08-OCT-01	10:39			1	1

.2	80	1	31002-00774	WALL, REAR, HEATSINK 1	1	EA	11-JUL-01 07:57	1	1
.2	81	1	31002-00778	WALL, 30 dB, SMALL, LEFT, SECOND LOOP	2	EA	11-JUL-01 07:57	1	1
.2	82	1	31002-00779	WALL, 30 dB, SMALL, TOP, SECOND LOOP	1	EA	11-JUL-01 07:57	1	1
.2	84	1	31002-00783	WALL, HORIZONTAL, SMALL, SECOND LOOP	2	EA	11-JUL-01 07:57	1	1
.2	85	1	72300-00017	ISOLATOR, 920-960MHZ, US935960-T-I	A	EA	18-JUL-01 13:29	1	1
.2	90	1	31001-00542	SHIELD, MAIN AMP, 2.5" X 1.3" X .31"	2	EA	13-JUL-01 12:07	1	1
.2	91	1	63000-00354	BOM,	3	EA	13-JUL-01 16:43	1	1

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Explosion Quantity: 1

Date: 2001/10/2 09:43

Item Op				--Effective-- ---Disable---			Extended					
Level	Seq	Seq	Item	Description	Rev	UOM	Date	Time	Date	Time	Quantity	Quantity ECO

			REGULATOR, HIGH CURRENT						
..3	1	1	64000-00354 PCB,	3	EA	12-JUL-01 13:08	1	1	
			REGULATOR, HIGHT CURRENT						
..3	2	1	70108-10106 CAP, TANT,	A	EA	12-JUL-01 13:08	4	4	
			10uF, H-SIZE, 50V, 20%						
..3	3	1	70228-40104 CAP, CHIP,	1	EA	12-JUL-01 13:09	2	2	
			.1uF, 1206, 50V, 10%						
..3	4	1	74300-00027 V. REG. Adj.	1	EA	12-JUL-01 13:09	1	1	
			V, 5 AMP, MIC29502BU						
..3	5	1	71722-10104 RES, CHIP,	A	EA	12-JUL-01 13:10	1	1	
			100K OHM, 1206, 5%, 1/4W						
..3	6	1	65000-00354 CCA,	3	EA	12-SEP-01 09:22	1	1	
			REGULATOR, HIGH CURRENT						
..3	7	1	71722-10101 RES, CHIP, 100 A	EA	15-OCT-01 14:23		1	1	
			OHM, 1206, 1/4W, 5%						
..3	8	1	71722-10222 RES, CHIP,	A	EA	12-SEP-01 09:27	1	1	
			2.2K OHM, 1206, 5%, 1/4W						
..2	92	1	78100-00020 IC,	A	EA	14-JUL-01 11:33	1	1	
			MICROCONTROLLE R, MC68HC711E9CFN						
..2	93	1	57000-00027 CIRCUIT,	A	EA	16-JUL-01 07:46	1	1	2
			BREAKER, 50A, W31-X2M1G-50						
..2	94	1	73300-00002 PLATE, GUIDE	A	EA	16-JUL-01 13:26	1	1	
			PIN, D-SUB, MALE, PC22070-						

.2	95	1	73200-00012	CONN, SMA, 2	A	EA	17-JUL-01 09:55	9	9	9
				HOLE FLG, .390						
				CC						
.2	96	1	73500-00002	STABILIZING	A	EA	17-JUL-01 10:16	2	2	
				RING, BLACK,						
				15-03012						
.2	97	1	73500-00003	STABILIZNG	A	EA	17-JUL-01 10:16	2	2	
				RING, WHITE,						
				15-03010						
.2	98	1	63000-00391	BOM,	1	EA	11-OCT-01 08:46	1	1	
IO-101 WS INVENTORY ORG								Report Date: 24-OCT-2001 09:43		
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Explosion Level: 10
Implemented Only: Yes
Display Option: Current
Explosion Quantity: 1

Item: MAF900-60S-9 60W MCPA, 935-940MHZ
Alternate: Primary UOM: EA Revision: 1 Engineering Bill: Yes
Date: 2001/10/2 09:43

Components

Level	Seq	Seq	Item	Description	Rev	UOM	Date	Time	Date	Time	Quantity	Quantity ECO

				DISTRIBUTION,								
				DC								
..3	1	1	64000-00391	PCB,	1	EA	21-SEP-01 12:49			1	1	
				DISTRIBUTION,								
				DC								
..3	2	1	65000-00391	CCA,	1	EA	21-SEP-01 12:49			0	0	
				DISTRIBUTION,								
				DC								
..3	3	1	70107-10106	CAP, TANT,	A	EA	21-SEP-01 12:50			2	2	

				10uF, 3010, 35V, 20%					
..3	4	1	70218-10103	CAP, CHIP, A EA 21-SEP-01 12:51	6	6			
				.01uF, 0805, 50V, 5%					
..3	5	1	70218-10104	CAP, CHIP, A EA 21-SEP-01 12:52	9	9			
				0.1uF, 0805, 50V, 5%					
..3	6	1	70108-10107	CAP, ELECT, A EA 21-SEP-01 12:52	2	2			
				100uF, SMT, 50V					
..3	7	1	74300-00001	REGULATOR, 5 A EA 21-SEP-01 12:53	2	2			
				VOLT, DPAK, MC78M05					
..3	8	1	74300-00020	V. REG, -5V, A EA 21-SEP-01 12:53	1	1			
				MC79MO5BBDT					
..3	9	1	74300-00021	V. REG, -12V, A EA 21-SEP-01 12:54	1	1			
				MC79M12BBDT					
..3	10	1	74300-00014	V. REG, +12V, A EA 21-SEP-01 12:54	2	2			
				1A, MC7812ACD2T					
..3	11	1	71747-10510	RES, CHIP, 51 A EA 21-SEP-01 12:55	9	9			
				OHM, 2512, 5%, 1W					
..3	12	1	79000-00007	CONVERTER, 1 EA 21-SEP-01 12:55	1	1			
				DC/DC, DUAL OUTPUT, +/- 15VDC					
..2	99	1	63000-00399	BOM, DETECTOR 1 EA 11-OCT-01 08:47	1	1			
..3	1	1	64000-00399	PCB, DETECTOR 1 EA 08-OCT-01 09:49	1	1			
..3	2	1	65000-00399	CCA, DETECTOR 1 EA 08-OCT-01 09:49	0	0			
..3	3	1	73300-00007	CONN, D-COMBO, A EA 08-OCT-01 09:49	2	2			
				RECEPT, 24 PIN, SIZE D					
..3	4	1	78100-00079	IC, DETECTOR, A EA 08-OCT-01 09:49	3	3			
				TRUPWR, LF- 2.5GHz, AD8361					

..3 5 1 70218-10103 CAP, CHIP, A EA 08-OCT-01 09:50
.01uF, 0805,

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Engineering Bill of Material Structure Report

3 3

Report Date: 24-OCT-2001 09:43

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Explosion Level: 10

Implemented Only: Yes

Display Option: Current

Explosion Quantity: 1

Item: MAF900-60S-9 60W MCPA, 935-940MHZ

Alternate: Primary

UOM: EA Revision: 1

Engineering Bill: Yes

Date: 2001/10/2 09:43

Components

Level	Item Op	Seq	Seq	Item	Description	Rev	UOM	Date	Time	Date	Extended Time	Quantity	Quantity ECO

..3	6	1		70210-10016	50V, 5% CAP, CHIP, A EA 08-OCT-01 09:50 1uF, 0805, 16V, 10%							3	3
..3	7	1		70211-10150	CAP, CHIP, 1 EA 08-OCT-01 09:51 15pF, 0805, 100V, 5%							3	3
..3	8	1		70211-10101	CAP, CHIP, A EA 08-OCT-01 09:51 100pF, 0805, 100V, 5%							6	6
..3	9	1		71711-10000	RES, CHIP, 0 A EA 08-OCT-01 09:52 OHM, 0805, 5%, 1/8W							3	3
..3	10	1		71711-10510	RES, CHIP, 51 A EA 08-OCT-01 09:52 OHM, 0805, 5%, 1/8W							2	2
..3	11	1		71711-10750	RES, CHIP, 75 A EA 08-OCT-01 09:52 OHM, 0805, 5%,							4	4

Alternate: Primary

UOM: EA Revision: 1

Engineering Bill: Yes

Date: 2001/10/2 09:43

Components

Level	Item Op		Seq	Item	Description	--Effective-- ---Disable---		Extended		Quantity	Quantity ECO
	Seq	Op				Rev	UOM	Date	Time		
..3	1	1	73700-00010	HARNESS, LED	CONN, HOUSING, A	EA	31-JUL-01	16:23		1	1
				10 POS, DBL							
				ROW, LTCHNG							
..3	2	1	76600-00062	HIGH PRESSURE, A	EA	31-JUL-01	16:23			10	10
				CONTACT, CRIMP							
..3	3	1	77224-00001	WIRE, 24 AWG, A	IN	31-JUL-01	16:23			1	1
				TEFLON, BLK,							
				600V							
..3	4	1	77224-00005	WIRE, 24 AWG, A	IN	31-JUL-01	16:24			1	1
				TEFLON, BLU,							
				600V							
..3	5	1	77224-00006	WIRE, 24 AWG, A	IN	31-JUL-01	16:24			1	1
				TEFLON, GRN,							
				600V							
..3	6	1	77224-00007	WIRE, 24 AWG, A	IN	31-JUL-01	16:25			1	1
				TEFLON, ORG,							
				600V							
..2	110	1	77300-00126	BOM, WIRING	1	EA	01-AUG-01	11:25		1	1
				HARNESS, DC							
				DISTRIBUTION							
..3	1	1	73700-00011	CONN, HOUSING, A	EA	31-JUL-01	16:29			1	1
				8 POS, DBL ROW							
..3	2	1	76600-00062	HIGH PRESSURE, A	EA	31-JUL-01	16:29			8	8
				CONTACT, CRIMP							
..3	3	1	77224-00001	WIRE, 24 AWG, A	IN	31-JUL-01	16:29			1	1
				TEFLON, BLK,							

..3	4	1	77224-00003	WIRE, 24 AWG, A	IN	31-JUL-01 16:30	1	1
				TEFLON, RED,				
				600V				
..3	5	1	77224-00004	WIRE, 24 AWG, A	IN	31-JUL-01 16:30	1	1
				TEFLON, YEL,				
				600V				
..3	6	1	77224-00007	WIRE, 24 AWG, A	IN	31-JUL-01 16:30	1	1
				TEFLON, ORG,				
				600V				
..2	111	1	77300-00128	BOM, WIRING	1	EA 01-AUG-01 11:26	1	1
				HARNESS,				
				CONTROL				
				SECTION				
..3	1	1	73700-00008	CONN, HOUSING, A	EA	31-JUL-01 16:09	1	1
				16 POS, DBL				
				ROW, LTCHNG				
..3	2	1	76600-00062	HIGH PRESSURE, A	EA	31-JUL-01 16:10	16	16
				CONTACT, CRIMP				
..3	3	1	77224-00002	WIRE, 24 AWG, A	IN	31-JUL-01 16:10	1	1
				TEFLON, BRN,				

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Engineering Bill of Material Structure Report

Report Date: 24-OCT-2001 09:43

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Explosion Level: 10

Implemented Only: Yes

Display Option: Current

Explosion Quantity: 1

Item: MAF900-60S-9 60W MCPA, 935-940MHZ

Alternate: Primary

UOM: EA Revision: 1

Engineering Bill: Yes

Date: 2001/10/2 09:43

Components

Item Op		--Effective-- ---Disable---					Extended						
Level	Seq	Seq	Item	Description	Rev	UOM	Date	Time	Date	Time	Quantity	Quantity	ECO

				600V					
..3	4	1	77224-00003	WIRE, 24 AWG, A IN 31-JUL-01 16:10			1		1
				TEFLON, RED,					
				600V					
..3	5	1	77224-00004	WIRE, 24 AWG, A IN 31-JUL-01 16:11			1		1
				TEFLON, YEL,					
				600V					
..3	6	1	77224-00005	WIRE, 24 AWG, A IN 31-JUL-01 16:11			1		1
				TEFLON, BLU,					
				600V					
..3	7	1	77224-00006	WIRE, 24 AWG, A IN 31-JUL-01 16:11			1		1
				TEFLON, GRN,					
				600V					
..3	8	1	77224-00007	WIRE, 24 AWG, A IN 31-JUL-01 16:11			1		1
				TEFLON, ORG,					
				600V					
..3	9	1	77224-00008	WIRE, 24 AWG, A IN 31-JUL-01 16:11			1		1
				TEFLON, GRY,					
				600V					
..3	10	1	77224-00010	WIRE, 24 AWG, A IN 31-JUL-01 16:14			1		1
				TEFLON, WHT,					
				600V					
..2	112	1	77300-00129	BOM, WIRING 1 EA 01-AUG-01 11:26			1		1
				HARNESS,					
				INTERFACE					
..3	1	1	73300-00011	CONN, D - SUB, A EA 31-JUL-01 16:00			1		1
				COMBO 21					
..3	2	1	77224-00001	WIRE, 24 AWG, A IN 31-JUL-01 16:01			1		1
				TEFLON, BLK,					
				600V					
..3	3	1	77224-00002	WIRE, 24 AWG, A IN 31-JUL-01 16:02			1		1
				TEFLON, BRN,					
				600V					
..3	4	1	77224-00004	WIRE, 24 AWG, A IN 31-JUL-01 16:02			1		1
				TEFLON, YEL,					
				600V					

..3	5	1	77224-00005	WIRE, 24 AWG, A	IN	31-JUL-01 16:03	1	1
			TEFLON, BLU,					
			600V					
..3	6	1	77224-00006	WIRE, 24 AWG, A	IN	31-JUL-01 16:03	1	1
			TEFLON, GRN,					
			600V					
..3	7	1	77224-00007	WIRE, 24 AWG, A	IN	31-JUL-01 16:03	1	1
			TEFLON, ORG,					
			600V					
..3	8	1	77224-00008	WIRE, 24 AWG, A	IN	31-JUL-01 16:04	1	1
			TEFLON, GRY,					
			600V					

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Engineering Bill of Material Structure Report

Report Date: 24-OCT-2001 09:43

Page: 19

Explosion Level: 10

Implemented Only: Yes

Display Option: Current

Explosion Quantity: 1

Item: MAF900-60S-9 60W MCPA, 935-940MHZ

Alternate: Primary

UOM: EA Revision: 1

Engineering Bill: Yes

Date: 2001/10/2 09:43

Components

Level	Item Op			Description	--Effective--		---Disable---		Extended		Quantity ECO
	Seq	Seq	Item		Rev	UOM	Date	Time	Date	Time	
..3	9	1	77224-00009	WIRE, 24 AWG, A	IN	31-JUL-01	16:04			1	1
				TEFLON, VIO,							
				600V							
..3	10	1	77224-00010	WIRE, 24 AWG, A	IN	31-JUL-01	16:05			1	1
				TEFLON, WHT,							
				600V							
..3	11	1	73700-00008	CONN, HOUSING, A	EA	31-JUL-01	16:08			1	1
				16 POS, DBL							

			ROW, LTCHNG					
..3	12	1	76600-00062 HIGH PRESSURE, A	EA	31-JUL-01 16:08	16	16	
			CONTACT, CRIMP					
.2	113	1	77300-00130 BOM, WIRING	1 EA	01-AUG-01 11:26	1	1	
			HARNESS, DC TO					
			DC					
..3	1	1	76800-00014 TERMINAL, 12-	A EA	31-JUL-01 15:54	1	1	
			10AWG, #8,					
						0.385		
..3	2	1	77218-00002 WIRE, 18 AWG, A	IN	31-JUL-01 15:55	1	1	
			TEFLON, RED,					
			600V					
.2	114	1	77300-00132 BOM, WIRING	1 EA	01-AUG-01 11:26	1	1	
			HARNESS, DC IN					
..3	1	1	73500-00013 CONTACT, DC, D A	EA	31-JUL-01 15:51	1	1	
			SUB , 40 AMP					
			PLUG					
..3	2	1	76800-00014 TERMINAL, 12-	A EA	31-JUL-01 15:51	2	2	
			10AWG, #8,					
						0.385		
..3	3	1	77218-00002 WIRE, 18 AWG, A	IN	31-JUL-01 15:53	1	1	
			TEFLON, RED,					
			600V					
.2	115	1	77400-00117 BOM, CABLE	1 EA	01-AUG-01 11:27	1	1	
			ASSY, RF IN,					
			2ND LOOP TO					
			PILOT					
..3	1	1	73200-00013 CONN, SMA,	A EA	31-JUL-01 14:40	1	1	
			STRT PLUG M,					
						132101		
..3	2	1	77108-00002 CABLE, COAX, A	IN	31-JUL-01 14:40	1	1	
			.086, EZ-					
			FORMABLE, 50					
			OHM					
.2	116	1	77400-00118 BOM, CABLE	1 EA	01-AUG-01 11:27	1	1	
			ASSY, RF OUT,					
			1ST LOOP TO					

```

..3      1  1  73200-00013  CONN, SMA,  A  EA 31-JUL-01 14:39
          STRT PLUG M,

```

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Report Date: 24-OCT-2001 09:43

Engineering Bill of Material Structure Report

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Explosion Level: 10

Implemented Only: Yes

Display Option: Current

Explosion Quantity: 1

Item: MAF900-60S-9 60W MCPA, 935-940MHZ

Engineering Bill: Yes

Alternate: Primary

UOM: EA Revision: 1

Date: 2001/10/2 09:43

Components

Level	Item Op		Seq	Seq	Item	Description	Rev	UOM	Date	Time	Date	Extended		Quantity	Quantity	ECO	
												Time					
..3	2	1	77108-00002		CABLE, COAX, .086, EZ-FORMABLE, 50 OHM	A	IN	31-JUL-01	14:39					1	1		
.2	117	1	77400-00119		BOM, CABLE ASSY, RF SAMPLE, 1ST LOOP TO PRE-ERROR	1	EA	01-AUG-01	11:27					1	1		
..3	1	1	73200-00013		CONN, SMA, STRT PLUG M,	A	EA	31-JUL-01	14:37					1	1		
..3	2	1	77108-00002		CABLE, COAX, .086, EZ-FORMABLE, 50 OHM	A	IN	31-JUL-01	14:37					1	1		

.2	118	1	77400-00120	BOM, CABLE	1	EA	01-AUG-01 11:27	1	1
				ASSY, CONTROL, PILOT OUT TO 2ND LOOP					
..3	1	1	73200-00013	CONN, SMA,	A	EA	31-JUL-01 14:31	1	1
				STRT PLUG M,					
								132101	
..3	2	1	77108-00002	CABLE, COAX,	A	IN	31-JUL-01 14:32	1	1
				.086, EZ- FORMABLE, 50 OHM					
.2	119	1	77400-00121	BOM, CABLE	1	EA	01-AUG-01 11:28	1	1
				ASSY, CONTROL, DELAY OUT, ISOLATOR IN					
..3	1	1	73200-00003	CONN, SMA,	A	EA	31-JUL-01 14:17	1	1
				COAXIAL, 50 OHM, 132102					
..3	2	1	73200-00027	CONN SMA RT	A	EA	31-JUL-01 14:17	1	1
				ANGLE, SLDR M, SEMI RIGID .141"					
..3	3	1	77114-00002	CABLE, COAX,	A	IN	31-JUL-01 14:18	1	1
								0.141	
.2	120	1	77400-00122	BOM, CABLE	1	EA	01-AUG-01 11:28	1	1
				ASSY, MAIN OUT TO 30dB					
..3	1	1	73200-00003	CONN, SMA,	A	EA	31-JUL-01 13:57	1	1
				COAXIAL, 50 OHM, 132102					
..3	2	1	77114-00002	CABLE, COAX,	A	IN	31-JUL-01 14:01	1	1

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Engineering Bill of Material Structure Report

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Explosion Level: 10
Implemented Only: Yes
Display Option: Current
Explosion Quantity: 1

Item: MAF900-60S-9 60W MCPA, 935-940MHZ

Alternate: Primary

UOM: EA Revision: 1

Engineering Bill: Yes

Date: 2001/10/2 09:43

Components

Item Op		--Effective-- ---Disable---							Extended			
Level	Seq	Seq	Item	Description	Rev	UOM	Date	Time	Date	Time	Quantity	Quantity ECO

.2	121	1	77400-00123	BOM, CABLE	1	EA	01-AUG-01	11:28			0.141	
				ASSY, 1ST						1	1	
				LOOP, DELAY								
..3	1	1	73200-00013	CONN, SMA,	A	EA	31-JUL-01	14:28			1	1
				STRT PLUG M,								
..3	2	1	77108-00002	CABLE, COAX,	A	IN	31-JUL-01	14:29			132101	
				.086, EZ-					1	1		
				FORMABLE, 50								
				OHM								
.2	122	1	77400-00124	BOM, CABLE	1	EA	01-AUG-01	11:28			1	1
				ASSY, 2ND								
				LOOP, DELAY								
..3	1	1	73200-00003	CONN, SMA,	A	EA	31-JUL-01	14:18			1	1
				COAXIAL, 50								
				OHM, 132102								
..3	2	1	77114-00002	CABLE, COAX,	A	IN	31-JUL-01	14:27			1	1
.2	123	1	77400-00125	BOM, CABLE	1	EA	01-AUG-01	11:29			0.141	
				ASSY, RF					1	1		
				OUTPUT								
..3	1	1	73200-00003	CONN, SMA,	A	EA	31-JUL-01	14:35			1	1
				COAXIAL, 50								
				OHM, 132102								
..3	2	1	73500-00011	CONTACT, PKZ,	A	EA	31-JUL-01	14:35			1	1

26-0020-1410									
..3	3	1	77114-00002	CABLE, COAX, A	IN	31-JUL-01 14:35	1	1	
								0.141	
.2	124	1	77400-00126	BOM, CABLE	1	EA 01-AUG-01 11:29	1	1	
				ASSY, RF INPUT					
..3	1	1	73500-00012	CONTACT, PDM, A	EA	31-JUL-01 14:33	1	1	
				24-0020-0860					
..3	2	1	77108-00002	CABLE, COAX, A	IN	31-JUL-01 14:33	1	1	
				.086, EZ-					
				FORMABLE, 50					
				OHM					
.2	127	1	31001-00555	COVER,	1	EA 09-AUG-01 13:41	1	1	
				CONTROL,					
				LEVEL, SIDE 2					
.2	129	1	31002-00785	HOUSING, LOOP	3	EA 09-AUG-01 13:41	1	1	
				CONTROL					
.2	130	1	31002-00809	WALL, BOTTOM, 2	EA	09-AUG-01 13:42	1	1	
				MIDDLE, 30dB					
.2	131	1	63000-00339	BOM, FIRST	3	EA 09-AUG-01 13:42	1	1	
				LOOP CONTROL,					
				IMT 2001					
..3	1	1	64000-00339	PCB, FIRST	3	EA 26-JUN-01 16:06	1	1	

IO-101 WS INVENTORY ORG

Engineering Bill of Material Structure Report

Report Date: 24-OCT-2001 09:43

Page: 22

Explosion Level: 10

Implemented Only: Yes

Display Option: Current

Explosion Quantity: 1

Item: MAF900-60S-9 60W MCPA, 935-940MHZ

Engineering Bill: Yes

Alternate: Primary

UOM: EA Revision: 1

Date: 2001/10/2 09:43

Components

Item Op

|--Effective--| |---Disable---|

Extended

Level	Seq	Seq	Item	Description	Rev	UOM	Date	Time	Date	Time	Quantity	Quantity ECO
..3	2	1	78100-00074	LOOP CONTROL, IMT 2001 IC, QUADRATURE, MODULATOR, 0.8GHZ-2.5GHZ AD8346	1	EA	26-JUN-01	16:06			1	1
..3	3	1	70218-10103	CAP, CHIP, .01uF, 0805, 50V, 5%	A	EA	26-JUN-01	16:06			2	2
..3	4	1	70218-10104	CAP, CHIP, 0.1uF, 0805, 50V, 5%	A	EA	26-JUN-01	16:06			8	8
..3	5	1	70210-10016	CAP, CHIP, 1uF, 0805, 16V, 10%	A	EA	26-JUN-01	16:07			9	9
..3	6	1	70211-10270	CAP, CHIP, 27PF, 0805, 100V, 5%	1	EA	26-JUN-01	16:07			3	3
..3	7	1	70211-10101	CAP, CHIP, 100pF, 0805, 100V, 5%	A	EA	26-JUN-01	16:08			10	10
..3	8	1	72000-00009	TRANSFORMER, 4.5-3000MHZ, E-SERIES RF, ETC1-1-13	1	EA	26-JUN-01	16:08			1	1
..3	9	1	76600-00076	CONN, SHROUDED STACKER, 2MM, 12 PINS	1	EA	26-JUN-01	16:08			1	1
..3	10	1	78100-00024	IC, 2.4GHZ, LINEAR MIXER, MC13143D	A	EA	26-JUN-01	16:08			1	1
..3	11	1	78100-00023	IC, OP AMP, 0P284ES	A	EA	26-JUN-01	16:09			1	1
..3	13	1	71711-10102	RES, CHIP, 1K	A	EA	26-JUN-01	16:09			4	4

1/8W

```
..3    14  1  71711-61001  RES, CHIP, 1K A  EA 26-JUN-01 16:10
```

4 4

OHM, 0805, 1%,

1/8W

..3 16 1 71711-63011 RES, A EA 26-JUN-01 16:25

8 8

CHIP,3.01K

OHM, 0805, 1%,

1/8W

```
..3  17  1  71711-10392  RES,CHIP,  A  EA 26-JUN-01 16:27
```

1 1

3.9K OHM, 0805

1/8W, 5%

```
..3  18  1  71711-10472  RES, CHIP,  A  EA 26-JUN-01 16:27
```

3 3

IO-101 WS INVENTORY ORG

Report Date: 24-OCT-2001 09:43

Engineering Bill of Material Structure Report

Page: 23

Explosion Level: 10

Implemented Only: Yes

Display Option: Current

Explosion Quantity: 1

Item: MAF900-60S-9 60W MCPA, 935-940MHZ

Engineering Bill: Yes

Alternate: Primary

UOM: EA Revision: 1

Date: 2001/10/2 09:43

Components

Level	Item Op			Description	--Effective-- ---Disable---			Extended		Quantity ECO	
	Seq	Seq	Item		Rev	UOM	Date	Time	Date		Time
..3	19	1	71711-10512	4.7K OHM, 0805, 5%, 1/8W RES, CHIP,	A	EA	26-JUN-01	16:27		1	1
..3	20	1	71711-10180	5.1K OHM, 0805, 5%, 1/8W RES, CHIP, 18 OHM, 0805, 5%,	A	EA	26-JUN-01	16:28		1	1

..3	21	1	71711-10510	RES, CHIP, 51 A	EA	26-JUN-01 16:28	2	2
				OHM, 0805, 5%, 1/8W				
..3	22	1	71711-10750	RES, CHIP, 75 A	EA	26-JUN-01 16:28	2	2
				OHM, 0805, 5%, 1/8W				
..3	23	1	71711-10101	RES, CHIP, 100 A	EA	26-JUN-01 16:28	5	5
				OHM, 0805, 5%, 1/8W				
..3	24	1	71711-10154	RES, CHIP, A	EA	26-JUN-01 16:29	4	4
				150K OHM, 0805, 5%, 1/8W				
..3	25	1	71711-10301	RES, CHIP, 300 A	EA	26-JUN-01 16:29	2	2
				OHM, 0805, 5%, 1/8W				
..3	26	1	71711-10751	RES, CHIP, 750 A	EA	26-JUN-01 16:29	2	2
				OHM, 0805, 5%, 1/8W				
..3	27	1	65000-00339	CCA, FIRST 2	EA	07-SEP-01 12:52	0	0
				LOOP CONTROL, IMT 2001				
..2	132	1	63000-00340	BOM, SECOND 3	EA	09-AUG-01 13:42	1	1
				LOOP CONTROL, IMT 2001				
..3	1	1	64000-00340	PCB, SECOND 3	EA	26-JUN-01 16:32	1	1
				LOOP CONTROL, IMT 2001				
..3	2	1	78100-00074	IC, 1	EA	26-JUN-01 16:33	1	1
				QUADRATURE, MODULATOR, 0.8GHZ-2.5GHZ AD8346				
..3	3	1	70238-10270	CAP, CHIP, A	EA	27-JUN-01 17:24	1	1
				27pF, A-SIZE, 50V, 5%				
..3	4	1	70218-10104	CAP, CHIP, A	EA	26-JUN-01 16:33	12	12

0.1uF, 0805,
50V, 5%
..3 5 1 70210-10016 CAP, CHIP, A EA 26-JUN-01 16:34
1uF, 0805,

9 9

IO-101 WS INVENTORY ORG

Report Date: 24-OCT-2001 09:43

Engineering Bill of Material Structure Report

Page: 24

Explosion Level: 10

Implemented Only: Yes

Display Option: Current

Explosion Quantity: 1

Item: MAF900-60S-9 60W MCPA, 935-940MHZ

Engineering Bill: Yes

Alternate: Primary

UOM: EA Revision: 1

Date: 2001/10/2 09:43

Components

Level	Item Op	Seq	Seq	Item	Description	Rev	UOM	Date	Time	Date	Extended Time	Quantity	Quantity ECO
---Effective--- ---Disable---													
..3	6	1		70211-10270	16V, 10% CAP, CHIP,	1	EA	26-JUN-01	16:34			3	3
					27PF, 0805, 100V, 5%								
..3	7	1		70211-10101	100pF, 0805, 100V, 5%	A	EA	26-JUN-01	16:34			14	14
..3	8	1		70218-10103	.01uF, 0805, 50V, 5%	A	EA	28-JUN-01	15:26			2	2
..3	9	1		74200-00006	AMP, MONOLITHIC, ERA-2SM	A	EA	26-JUN-01	16:36			2	2
..3	10	1		72100-00017	INDUCTOR, CHIP, 100nH, 5%, KL32TER10J	A	EA	26-JUN-01	16:36			1	1

..3	11	1	76600-00076	CONN, SHROUDED 1	EA	26-JUN-01 16:36	2	2
				STACKER, 2MM,				
				12 PINS				
..3	12	1	74300-00001	REGULATOR, 5	A EA	26-JUL-01 11:16	1	1
				VOLT, DPAK,				
				MC78M05				
..3	13	1	78100-00024	IC, 2.4GHZ,	A EA	26-JUN-01 16:37	1	1
				LINEAR MIXER,				
				MC13143D				
..3	14	1	78100-00023	IC, OP AMP,	A EA	26-JUN-01 16:37	1	1
				OP284ES				
..3	16	1	71711-61001	RES, CHIP, 1K	A EA	26-JUN-01 16:37	4	4
				OHM, 0805, 1%,				
				1/8W				
..3	18	1	71711-63011	RES,	A EA	26-JUN-01 16:40	8	8
				CHIP,3.01K				
				OHM, 0805, 1%,				
				1/8W				
..3	19	1	71711-10392	RES, CHIP,	A EA	26-JUN-01 16:45	1	1
				3.9K OHM, 0805				
				1/8W, 5%				
..3	20	1	71711-10180	RES, CHIP, 18	A EA	26-JUN-01 16:45	1	1
				OHM, 0805, 5%,				
				1/8W				
..3	21	1	71711-10750	RES, CHIP, 75	A EA	26-JUN-01 16:46	1	1
				OHM, 0805, 5%,				
				1/8W				
..3	22	1	71711-10101	RES, CHIP, 100	A EA	26-JUN-01 16:46	3	3
				OHM, 0805, 5%,				
				1/8W				
..3	23	1	71711-10301	RES, CHIP, 300	A EA	26-JUN-01 16:46	2	2
				OHM, 0805, 5%,				

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Engineering Bill of Material Structure Report

Report Date: 24-OCT-2001 09:43

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Explosion Level: 10

Implemented Only: Yes

Display Option: Current

Item: MAF900-60S-9 60W MCPA, 935-940MHZ Engineering Bill: Yes
Alternate: Primary UOM: EA Revision: 1 Date: 2001/10/2 09:43

Item Op		--Effective-- ---Disable---				Extended							
Level	Seq	Seq	Item	Description	Rev	UOM	Date	Time	Date	Time	Quantity	Quantity	ECO
..3	24	1	71711-10102	1/8W RES, CHIP, 1K A OHM, 0805, 5%	EA	28-JUN-01	15:29				4	4	
..3	27	1	71711-11433	1/8W RES, CHIP, 4.3K, 0805, 1/8W, 5%	1 EA	29-JUN-01	11:39				2	2	
..3	28	1	71711-10512	RES, CHIP, 5.1K OHM, 0805, 5%, 1/8W	A EA	28-JUN-01	15:32				1	1	
..3	29	1	71711-10510	RES, CHIP, 51 OHM, 0805, 5%, 1/8W	A EA	28-JUN-01	15:34				3	3	
..3	30	1	71711-10620	RES, CHIP, 62 OHM, 0805, 5%, 1/8W	A EA	28-JUN-01	15:35				4	4	
..3	32	1	71711-10154	RES, CHIP, 150K OHM, 0805, 5%, 1/8W	A EA	28-JUN-01	15:37				4	4	
..3	33	1	71711-10241	RES, CHIP, 240 OHM, 0805, 5%, 1/8W	A EA	28-JUN-01	15:38				2	2	
..3	34	1	71722-10681	RES, CHIP, 680 OHM, 1206, 5%, 1/4W	A EA	26-JUN-01	16:49				6	6	

..3	35	1	71722-10751	RES, CHIP, 750 A	EA	26-JUN-01 16:50	2	2
				OHM, 1206, 5%, 1/5W				
..3	36	1	72000-00009	TRANSFORME3R, 1	EA	27-JUN-01 17:27	1	1
				4.5-3000MHZ, E-SERIES RF, ETC1-1-13				
..3	37	1	71711-10472	RES, CHIP, A	EA	25-JUL-01 15:53	1	1
				4.7K OHM, 0805, 5%, 1/8W				
..3	38	1	65000-00340	CCA, SECOND	2 EA	07-SEP-01 14:25	0	0
				LOOP CONTROL, IMT 2001				
..2	133	1	63000-00341	BOM,	4 EA	09-AUG-01 13:42	1	1
				DSP/INTERFACE, IMT 2001				
..3	1	1	64000-00341	PCB,	3 EA	29-JUN-01 10:03	1	1
				DSP/INTERFACE, IMT 2001				
..3	2	1	78100-00087	IC, 12-BIT	1 EA	29-JUN-01 10:03	2	2
				DACPORT, LCMOS DUAL, AD7237JR				
..3	3	1	78100-00089	IC, 8-BIT DAC,	1 EA	29-JUN-01 10:18	1	1

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Explosion Level: 10

Implemented Only: Yes

Display Option: Current

Explosion Quantity: 1

Item: MAF900-60S-9 60W MCPA, 935-940MHZ

Alternate: Primary

UOM: EA Revision: 1

Engineering Bill: Yes

Date: 2001/10/2 09:43

Components

Item Op				--Effective-- ---Disable---				Extended					
Level	Seq	Seq	Item	Description	Rev	UOM	Date	Time	Date	Time	Quantity	Quantity	ECO

				2.7V-5.5V, DUAL VOLTAGE OUTPUT, AD7302BR									
..3	4	1	78100-00088	IC, 8-BIT	1	EA	29-JUN-01	10:18			2	2	
				ADCS, 3V/5V, SAMPLING, AD7822BR									
..3	5	1	72400-00029	DIODE,	A	EA	29-JUN-01	10:19			2	2	
				SWITCHING, BAS16LT1									
..3	6	1	70218-10104	CAP, CHIP,	A	EA	29-JUN-01	10:20			38	38	
				0.1uF, 0805, 50V, 5%									
..3	7	1	70230-40001	CAP, CHIP,	1	EA	29-JUN-01	10:23			1	1	
				TANT, 3216, 20V, 1.5uF									
..3	8	1	70107-10010	CAP, TANT,	A	EA	29-JUN-01	10:23			1	1	
				3.3uF, 6.3V,									
												3216	
..3	9	1	70256-40001	CAP, CHIP,	1	EA	11-JUL-01	16:38			19	19	
				33uF, 6032, 16V, 20%									
..3	11	1	72400-00040	DIODE, SMT,	1	EA	29-JUN-01	10:55			1	1	
				SCHOTTKY BARRIER RECTIFIER, 1AMP, 20-40V, DL5817									
..3	12	1	76600-00080	CONN, HEADER,	1	EA	27-SEP-01	14:52			1	1	
				DUAL ROW, 6 PIN, .105 LEAD LENGTH									
..3	13	1	76600-00079	CONN, HEADER,	1	EA	27-SEP-01	14:58			1	1	

..3	14	1	72700-00017	LED, SMT, GREEN, LTL- 94PGK-TA	1	EA	29-JUN-01 10:56	1	1	
..3	15	1	76600-00013	52 PIN SMT PLCC SOCKET	A	EA	29-JUN-01 10:56	1	1	
..3	16	1	79000-00003	MICROCONTROLLE R, OPEN DRAIN OUTPUT, MCP130-460I/TT	A	EA	29-JUN-01 10:57		1	1
..3	18	1	76600-00077	CONN, BOX SOCKET, 2MM,	1	EA	29-JUN-01 10:57	3	3	

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Item: MAF900-60S-9 60W MCPA, 935-940MHZ Engineering Bill: Yes
 Alternate: Primary UOM: EA Revision: 1 Date: 2001/10/2 09:43

Level	Item Op			Description	--Effective--			---Disable---		Extended		Quantity ECO
	Seq	Seq	Item		Rev	UOM	Date	Time	Date	Time	Quantity	
..3	19	1	78100-00023	12 PIN IC, OP AMP, 0P284ES	A	EA	29-JUN-01	10:58			6	6
..3	20	1	71711-10102	RES, CHIP, 1K OHM, 0805, 5% 1/8W	A	EA	29-JUN-01	10:59			1	1

..3	21	1	71711-11332	RES, CHIP,	1	EA	29-JUN-01 13:18	7	7
				3.3K-OHM,					
				0805, 1/8W, 5%					
..3	22	1	71711-63011	RES,	A	EA	03-JUL-01 16:56	2	2
				CHIP,3.01K					
				OHM, 0805, 1%,					
				1/8W					
..3	23	1	71711-10512	RES, CHIP,	A	EA	29-JUN-01 11:01	2	2
				5.1K OHM,					
				0805, 5%, 1/8W					
..3	24	1	71711-11100	RES, CHIP, 1.0	A	EA	03-AUG-01 09:54	4	4
				OHM ,0805, 5%,					
				1/8W					
..3	25	1	71711-10103	RES, CHIP, 10K	A	EA	29-JUN-01 11:02	1	1
				OHM, 0805, 5%,					
				1/8W					
..3	26	1	71711-61002	RES, CHIP,10K	A	EA	29-JUN-01 11:02	15	15
				OHM, 0805, 1%,					
				1/8W					
..3	27	1	71711-61622	RES, CHIP,	1	EA	11-JUL-01 16:46	3	3
				16.2K OHm,					
				0805, 1%, 1/8W					
..3	28	1	71711-62002	RES, CHIP,	1	EA	29-JUN-01 15:17	3	3
				20K, 0805,					
				1/8W, 1%					
..3	29	1	71711-10133	RES, CHIP,	A	EA	03-AUG-01 09:55	4	4
				13K, OHM,					
				0805, 5%, 1/8W					
..3	30	1	71711-10101	RES, CHIP, 100	A	EA	29-JUN-01 11:09	8	8
				OHM, 0805, 5%,					
				1/8W					
..3	31	1	71711-10121	RES, CHIP, 120	A	EA	29-JUN-01 11:10	2	2
				OHM, 0805, 5%,					
				1/8W					
..3	32	1	71218-70332	RES, NETWORK,	1	EA	03-AUG-01 11:03	4	4
				SIP 3.3K OHM,					
				4609X					

..3	33	1	78100-00076	IC, DUAL	1	EA	29-JUN-01 11:11	1	1
				OUTPUT VOLTAGE REGULATOR, TPS767D325					

..3	34	1	78300-00006	IC,	1	EA	29-JUN-01 11:11	1	1
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Engineering Bill of Material Structure Report									

1	1
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Explosion Level: 10
Implemented Only: Yes
Display Option: Current
Explosion Quantity: 1

Item: MAF900-60S-9	60W MCPA, 935-940MHZ	Engineering Bill: Yes
Alternate: Primary	UOM: EA Revision: 1	Date: 2001/10/2 09:43

Components

Item	Op											
Level	Seq	Seq	Item	Description	Rev	UOM	Date	Time	Date	Time	Quantity	Quantity ECO

				PROGRAMMABLE GATE, ARRAY, 2.5V FPGA, XC2S50-5- TQ144C								
..3	36	1	78100-00018	IC,	A	EA	29-JUN-01 14:24			1	1	
				DIFFERENTIAL D /R PAIR, LTC491IS								
..3	37	1	79000-00004	OSCILLATOR,	A	EA	29-JUN-01 14:25				1	1
				QUARTZ, SMT, SG-615P-8.0000 MC2								
..3	38	1	70211-10102	CAP, CHIP,	A	EA	03-AUG-01 09:55				10	10
				0.001uF, 0805,								

..3	39	1	71711-10912	RES, CHIP, A	EA	03-AUG-01 09:56	4	4
				9.1K OHM,				
				0805, 5%, 1/8W				
..3	40	1	65000-00341	CCA, 2	EA	07-SEP-01 12:59	0	0
				DSP/INTERFACE,				
				IMT 2001				
..3	41	1	71711-10271	RES, CHIP, 270 A	EA	27-SEP-01 15:00	4	4
				OHM, 0805, 5%,				
				1/8W				
..3	42	1	71711-00223	RES, CHIP, 1	EA	27-SEP-01 15:00	2	2
				1/8W, 0805,				
				1%, 22K OHM				
..2	134	1	63000-00349	BOM, CONTROL 4	EA	09-AUG-01 13:42	1	1
				BOARD				
..3	1	1	64000-00349	PCB, CONTROL 1	EA	11-JUL-01 09:05	1	1
				BOARD				
..3	7	1	70218-10104	CAP, CHIP, A	EA	11-JUL-01 09:59	15	15
				0.1uF, 0805,				
				50V, 5%				
..3	9	1	70211-10220	CAP, CHIP, A	EA	11-JUL-01 10:01	2	2
				22pF, 0805,				
				100V, 5%				
..3	10	1	70210-10016	CAP, CHIP, A	EA	16-JUL-01 09:31	7	7
				1uF, 0805,				
				16V, 10%				
..3	11	1	70106-10475	CAP, SMT A	EA	11-JUL-01 10:03	3	3
				4.7uF, 16V				
							3528	
..3	12	1	70104-10475	CAP, SMT A	EA	11-JUL-01 10:03	1	1
				4.7uF, 25V				
							6032	
..3	13	1	74800-00006	CYSTAT, SMT, 1	EA	11-JUL-01 10:04	1	1

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Explosion Level: 10

Implemented Only: Yes

Display Option: Current
Explosion Quantity: 1

Item: MAF900-60S-9 60W MCPA, 935-940MHZ Engineering Bill: Yes
Alternate: Primary UOM: EA Revision: 1 Date: 2001/10/2 09:43

Components

Item Op			--Effective-- ---Disable---					Extended				
Level	Seq	Seq	Item	Description	Rev	UOM	Date	Time	Date	Time	Quantity	Quantity ECO

..3	14	1	78100-00081	20MHz, CS1020.000MBBJ IC, 5V, HIGH PERFORMANCE, CPLD, CY37032P44- 125AI	1	EA	11-JUL-01	10:14			1	1
..3	15	1	74700-00002	TRANS, DIGITAL, DTC144EKAT146	A	EA	11-JUL-01	10:14			1	1
..3	16	1	73500-00029	CONN, HEADER, SHROUDED-THRU, 2MM	1	EA	11-JUL-01	10:15			1	1
..3	17	1	78100-00016	IC, QUAD OP - AMP, LM2902M	A	EA	11-JUL-01	10:15			2	2
..3	18	1	79100-00013	SHUNT, VOLTAGE, REF. LM4130CI-4.1	1	EA	11-JUL-01	10:16			1	1
..3	19	1	78100-00018	IC, DIFFERENTIAL D /R PAIR, LTC491IS	A	EA	11-JUL-01	10:16		1	1	
..3	20	1	78100-00059	IC, QUAD, 10- BIT DAC,	A	EA	11-JUL-01	10:17			1	1

..3	22	1	73500-00033	CONN, HEADER, 1	EA	31-JUL-01 11:00	3	3
			SHROUDED, DUAL					
			ROW, 10 PIN,					
			2MM					
..3	23	1	73500-00031	CONN, HEADER, 1	EA	31-JUL-01 11:00	1	1
			SHROUDED, DUAL					
			ROW, 20 PIN,					
			2MM					
..3	24	1	78100-00086	IC, 10-BIT A/D 1	EA	11-JUL-01 10:18	1	1
			CONVERTERS,					
			MCP3008TSL					
..3	25	1	72400-00020	DIODE, ZENER, A	EA	11-JUL-01 10:18	11	11
			SMT, 5.1V,					
			MMBZ5231BLT1					
..3	26	1	78100-00084	IC, 1	EA	11-JUL-01 10:19	1	1
			MICROCONTROLLE					
			R, 8-BIT					
			FLASH,					
			P89C662HFBD					
..3	27	1	71711-10102	RES, CHIP, 1K A	EA	11-JUL-01 10:19	5	5
			OHM, 0805, 5%					
			1/8W					
..3	28	1	71711-10202	RES, CHIP, 2K A	EA	11-JUL-01 10:20	4	4

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Explosion Quantity: 1

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Components

Item Op					--Effective-- ---Disable---				Extended			
Level	Seq	Seq	Item	Description	Rev	UOM	Date	Time	Date	Time	Quantity	Quantity ECO

				OHM, 0805, 5%, 1/8W								
..3	30	1	71711-10512	RES, CHIP, 5.1K OHM, 0805, 5%, 1/8W	A	EA	11-JUL-01	16:13			3	3
..3	31	1	71711-10103	RES, CHIP, 10K OHM, 0805, 5%, 1/8W	A	EA	11-JUL-01	10:23			10	10
..3	32	1	71711-61022	RES, CHIP, 10.2K OHM, 0805, 1%, 1/8W	A	EA	11-JUL-01	10:24			1	1
..3	33	1	71711-67152	RES, CHIP, 71.5K OHM, 0805, 1%, 1/8W	A	EA	11-JUL-01	10:24			1	1
..3	34	1	71711-61023	RES, CHIP, 102K OHM, 0805, 1%, 1/8W	A	EA	11-JUL-01	10:25			6	6
..3	35	1	71711-10121	RES, CHIP, 120 OHM, 0805, 5%, 1/8W	A	EA	11-JUL-01	10:26			2	2
..3	36	1	71722-10000	RES, CHIP, 0 OHM, 1206, 5%, 1/4W	A	EA	11-JUL-01	10:26			1	1
..3	37	1	71208-70103	RES, NETWORK, BUSS, 10K-OHM,	1	EA	31-JUL-01	11:03			2	2
..3	38	1	71711-63302	RES, CHIP, 33K OHM, 0805, 1%, 1/8W	1	EA	19-SEP-01	16:59			2	2
..2	135	1	72500-00066	FILTER PLATE, 470pF, 26PIN	1	EA	11-OCT-01	08:52			1	1

				DBL ROW, CUSTOM								
.2	136	1	90509-00001	SPEC,	A	EA	21-AUG-01 16:26		1		1	
				CUSTOMER, MR900-43S-9, MAF900-60S-9, MRIP-A-9								
.2	137	1	31002-00826	HOUSING, CONTROL, LEVEL.	2	EA	22-AUG-01 10:20		1		1	
				ALUMINUM								
.2	138	1	31002-00827	DIVIDER, CONTROL, LEVEL, ALUMINUM	1	EA	22-AUG-01 10:20		1		1	

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Explosion Level: 10

Implemented Only: Yes

Display Option: Current

Explosion Quantity: 1

Item: MAF900-60S-9 60W MCPA, 935-940MHZ

Engineering Bill: Yes

Alternate: Primary

UOM: EA Revision: 1 Date: 2001/10/2 09:43

Components

Level	Seq	Seq	Item	Description	Rev	UOM	Date	Time	Date	Time	Quantity	Quantity ECO
.2	139	1	72200-00007	COUPLER, SMT, A	EA	31-AUG-01 14:12					1	1
				815-960MHZ 1D1304-10								
.2	140	1	78100-00094	IC,	1	EA	15-OCT-01 09:52				1	1
				SYNTHESIZER,								

925-960MHz,
SPLL-1111

.2	141	1	78400-00113	FIRMWARE,	A	EA	27-SEP-01 10:36	1	1	
				PROGRAM, MAF-						
				SERIES						

***** End of Report *****