



Logic Product Development
PN: 1001308 Rev 4

Bill of Materials

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M5474GFE Fire Engine 64MB DDR, 4MB boot flash	1 - 6



BOM REPORT

Part Number 1001308

Part Description ASSEMBLY, M5474GFE

Part Revision 4

Part Number	Revision	Qty	Ref Des	Item Description	Initial MFG Name	Initial MFG Part Number
1001308	4			ASSEMBLY, PCB, M5474GFE, 64MB DDR, 0MB NOR FLASH, 4MB BOOT FLASH		
1000012	E	0		SCHEMATIC, MCF5475 AND MCF5485 ETX MODULE		
1000188	E	0		ASSEMBLY DRAWING, CARD ENGINE, M548X/M547X ETX MODULE		
1000387	A	0		SOFTWARE, MC547X : 64 MACRO CELL LOLO UPD - ERASE CPLD		
1000481	A	0		FUNCTIONAL TEST SERVER SOFTWARE FOR FIRE-ENGINES WHICH CORRECTLY JUMPS TO THE NEW VERSION OF LOLO.		
1000882	A	2	U100, U101	IC, POWER REG, 1.8V, 150MA, LDO, TSOP-5	ON SEMICONDUCTOR	NCP500SN18T1
1000964	A	1	U81	IC, POWER REG, 2.5V, 1.5A, LDO, 5 LEAD TO-252 DPAK	Fairchild	FAN1951D25X
1000997	A	12	C118, C212, C244, C245, C248, C251, C254-C256, C258-C260	CAP, CERAMIC, 1.0UF, 10V, X7R, 0805	AVX	0805ZC105KAT2A
1001028	A	1	U79	IC, DDR TERMINATION REGULATOR, SOP-8	Winbond	W83310S-N
1001087	A	1	U71	IC, HYSTERETIC SWITCHING REGULATOR, PFET BUCK CONTROLLER, SOT23-5	NATIONAL SEMICONDUCTOR	LM3475MFX
1001143	A	1	R431	RESISTOR, 37.4K OHM, 1/16W, 1%, 0402	Yageo America	9T04021A3742FBHF3
1001149	A	1	U78	IC, POWER REG, 1.5 V, 1A, LDO, TO-252, INDUSTRIAL TEMP	Global Mixed-mode Tech Inc.	G1117-15T43U
1001158	A	16	R55, R61, R68, R69, R71, R91, R93, R375, R379, R390, R395, R400, R405, R407, R413, R422	RESISTOR, ARRAY (4) 51 OHM, 5%, SMT, 0603	Panasonic	EXB38V510JV
1001159	A	7	R227, R250-R252, R254, R350, R460	RESISTOR, ARRAY (4) 4.7K OHM, 5%, SMT, 0603	Panasonic	EXB38V472JV
1001160	A	2	R451, R452	RESISTOR, ARRAY (4) 0 OHM, 5%, SMT, 0603	Panasonic	EXB38VR000V
1001161	A	4	R79, R124, R141, R372	RESISTOR, ARRAY (4) 10K OHM, 5%, SMT, 0603	Panasonic	EXB38V103JV
1001162	A	4	R83, R191, R195, R235	RESISTOR, ARRAY (4) 15K OHM, 5%, SMT, 0603	Panasonic	EXB38V153JV



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1001167	A	1	Q6	MOSFET, P-CH, -20V, -5.5A, SOT-223	Fairchild	FDT434P
1001518	A	1	U2	IC, PROCESSOR, COLDFIRE, MCF5474	Motorola	MCF5474ZP266
1001594	A	1	PCB1	PCB, M547X/M548X ETX MODULE		
1001738	A	1	U75	IC, RESET/SUPERVISORY, 3-PIN MICROPROCESSOR RESET CHIP 3.08V THRESHOLD ACTIVE LOW, SOT-23	OnSemi	NCP803SN308T1
1001744	A	1	U13	IC, FLASH, 32MBIT, PROGRAMMED W SOFTWARE, RAW, COLDFIRE, LITE-DEBUG+LOLO, V4A.1A.1D+V1.5.4P1,MCF5474		
1000168	A	0		IC, FLASH, 3-VOLT ADVANCED+ BOOT BLOCK, 32MB, TSOP	INTEL	TE28F320C3BD70
1001704	A	0		SOFTWARE, RAW, COLDFIRE, LITE-DEBUG+LOLO, V4A.1A.1D+V1.5.4P1, MCF5474 STANDARD TEMP, ALL-BYTES, ?		
1002359	A	1	R73	RESISTOR, 9.1K OHM, 1/16W, 1%, 0402	Yageo America	9C04021A9101FLHF3
1002536	A	0		SOFTWARE, FUNCTIONAL TEST, M547XGFE		
1002537	A	0		SOFTWARE, TEST SERVER SCRIPTS, M547XGFE		
1002668	A	0		PROCEDURE, FUNCTIONAL TEST , MOTOROLA MCF5474GFE		
15050008	B	33	C28-C31, C41-C45, C51-C55, C74, C75, C139, C140, C144, C145, C149, C150, C158-C161, C181, C199, C207, C224, C225, C231, C232	CAP, CERAMIC, 100PF, 50V, X7R, 0402	Panasonic	ECJ-0EB1H101K
15050018	B	6	C2, C261-C265	CAP, CERAMIC, 0.1UF, 16V, Y5V, 0402	Panasonic	ECJ-0EF1C104Z
15050053	B	70	C4, C9, C11, C13, C15, C17, C20, C22, C23, C25, C36-C39, C49, C50, C58-C60, C63, C65-C67, C73, C91, C101, C109, C110, C113-C117, C143, C148, C153, C156, C166-C169, C171, C172, C187-C191, C197, C198, C200-C202, C204-C206, C221-C223, C228-C230, C235-C237, C239, C242, C246, C249, C252	CAP, CERAMIC, 10000PF, 16V, 0402	Panasonic	ECJ-0EB1C103K



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15050068	B	29	C32-C35, C46-C48, C56, C57, C141, C142, C146, C147, C151, C152, C162-C165, C220, C226, C227, C233, C234, C240, C243, C247, C250, C253	CAP, CERAMIC, 1000PF, 50V, X7R, 0402	Yageo America	04022R102K9B20D
15050075	B	4	C62, C68-C70	CAP, CERAMIC, 22PF, 50V, NPO, 0402	Yageo America	0402CG220J9B200
15150011	B	28	C7, C8, C10, C12, C14, C16, C27, C40, C64, C72, C108, C112, C138, C154, C157, C170, C175, C208-C211, C213-C215, C218, C219, C238, C241	CAP, TANTALUM, 22UF, 10V, 3528	Panasonic	ECS-T1AX226R
18000056	B	1	L1	INDUCTOR, 4.7UH, 4.8A, SMT	Coilcraft	DO3316P-472
18000058	B	5	FB30-FB33, FB35	FERRITE, 60OHMS @ 100MHZ, 400MA, 3225	Central Technologies	CTCB1210-600S
18000060	B	4	FB1-FB3, FB5	FERRITE BEAD, 600OHM @ 100MHZ, 200MA, 0805	MURATA	BLM21BD601SN1D
21000057	B	1	J11	CONNECTOR, HEADER, MALE, 0.100IN, 4PIN, W/LOCKING GRAMP, 1X4	Molex	22-23-2041
21000225-0006	B	1	J6	CONNECTOR, HEADER, MALE, 0.100IN, 6PIN, 2X3, TH	Sullins	PTC03DAAN
21000438	B	1	J7	CONNECTOR, USB DEVICE MINI, RIGHT ANGLE	Molex	54819-0578
21000465	B	4	J1-J4	CONNECTOR, HEADER, MALE, 0.6MM, 100PIN, 2X50	Hirose	FX8-100P-SV
21000471	B	1	J5	CONNECTOR, CF SOCKET, 50PIN	Chant	752D-50AC20001
21000496	B	1	J10	CONNECTOR, HEADER, MALE, 0.100IN, 26PIN, 2X13	Pinrex Enterprise Co., Ltd.	PH1MS-213TB7.5/6.0/3.3
23000033	B	1	Y2	CRYSTAL, 25.0000MHZ, 50PPM, SMT	CITIZEN	CS10-25.000MABJTR
23000071	B	1	Y5	CRYSTAL, 12.0000MHZ, 50PPM, SMT	Citizen	CS10-12.000MABJTR
23000099	B	1	U9	OSCILLATOR, 66.6000MHZ, 3.3V, 100PPM, SMT	CITIZEN	CSX750FJC66.666000MTR
31300054	B	1	U59	IC, EEPROM, 3-WIRE SERIAL 2.7V, INDUSTRIAL TEMP.	Fairchild	FM93C46LMT8
31300226	B	1	Q1	IC, DIGITAL LOGIC/LATCHES, INVERTER, ULTRAFast, 3.3V, UNBUFFERED	Toshiba	TC7SZU04F



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31300298	B	1	U56	IC, DIGITAL LOGIC/LATCHES, SINGLE 2-INPUT POSITIVE AND GATE	Texas Instruments	SN74AHC1G08DBVR
31300385	B	1	U55	IC, DIGITAL LOGIC/LATCHES, FLIP-FLOP, DUAL D-TYPE, 14TSSOP	PHILIPS	74LVC74APW
31300391	B	1	U10	IC, BUFFER, ZERO DELAY, 3.3V, INTERNAL FEEDBACK, 8-SOIC	Cypress	Cy2305SC-1
31300453	B	1	U31	IC, BUFFER, QUAD, BUS BUFFER GATE W/TRI-STATE OUTPUTS	Texas Instruments	SN74LVC125APWR
31300503	B	1	U102	IC, DIGITAL LOGIC/LATCHES, SCHMIDT TRIGGER INVERT, SINGLE, 1.65V TO 5.5V, SC-70	Texas Instruments	SN74LVC1G14DCKR
31300530	B	2	U5, U6	IC, DDR SDRAM, 256MB	MICRON	MT46V16M16TG-75:F
31300572	B	2	U92, U93	IC, BUFFER, BUS OCTAL NON-INVERTING, 20-TSSOP	Toshiba	TC74LCX541FT
31300581	B	2	U74, U76	IC, DIGITAL LOGIC/LATCHES, EDGE TRIGGERED D TYPE F/F, TRI-STATE 48-TSSOP	Texas Instruments	SN74LVTH162374DGGR
31300582	B	1	U94	IC, TRANSCEIVER, 10/100 BASETX, DUAL PORT ETHER-NET	Broadcom	BCM5222KPF
31300618	B	1	U17	IC, DIGITAL LOGIC/LATCHES, SINGLE D TYPE FLIP FLIP WITH PRESET# AND CLEAR#	Texas Instruments	SN74LVC2G74DCTR
31300676P00089	B	1	U12	IC, CPLD, 64 MACROCELL, 100-PIN VQFP, COMM. TEMP. - PROGRAMMED		
20500089	B	0		SOFTWARE, CPLD CODE, MCF5475/85 FIRE ENGINES. 64 MACROCELL		
31300676	B	0		IC, CPLD, 64 MACROCELL, 100-PIN VQFP, COMM. TEMP.	Xilinx	XC2C64-7VQ100C
47000005	B	23	R27, R31-R33, R35-R43, R286, R289-R291, R319-R324	RESISTOR, ARRAY (4) 22 OHM, 5%, SMT	Panasonic	EXB-28V220JX
47000166	B	17	R6, R16, R74, R135, R173, R244, R340, R341, R428-R430, R437, R438, R472-R475	RESISTOR, 10K OHM, 1/16W, 5%, 0402	Panasonic	ERJ-2GEJ103X
47000167	B	2	R318, R338	RESISTOR, 1.0K OHM, 1/16W, 5%, 0402	Panasonic	ERJ-2GEJ102X
47000168	B	2	R8, R9	RESISTOR, 10.0 OHM, 1/16W, 1%, 0402	Panasonic	ERJ-2RKF10R0X



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47000174	B	14	R1, R10, R12, R52, R110, R112, R113, R172, R245, R280, R288, R370, R427, R434	RESISTOR, 0 OHM, 1/16W, 5%, 0402	Yageo America	9C04021A0R00JLHF3
47000208	B	48	JP0+, JP1+, JP2+, JP3-, JP4+, JP5-, JP6-, JP8+, JP9+, JP10-, JP11-, JP12-, JP13-, JP14-, JP15+, JP16-, JP17-, R14, R15, R53, R54, R56, R98, R100, R102, R104, R224, R225, R260, R261, R272-R274, R287, R316, R317, R330, R332, R333, R337, R348, R349, R351, R359, R457, R458, R464, R466	RESISTOR, 4.75K OHM, 1/16W, 1%, 0402	BC Components	231227514752
47000233	B	16	R29, R30, R34, R111, R134, R264, R271, R282, R283, R298, R308, R311, R313-R315, R468	RESISTOR, 22 OHM, 1/16W, 5%, 0402	Panasonic	ERJ-2GEJ220X
47000338	B	16	R101, R187, R189, R201, R203, R205, R207, R209, R211, R213, R215, R217, R222, R233, R469, R470	RESISTOR, 15K OHM, 1/16W, 5%, 0402	Yageo America	9C04021A1502JLHF3
47000415	B	18	R59, R63, R67, R70, R72, R378, R382-R387, R393, R394, R401, R402, R418, R423	RESISTOR, 49.9 OHM, 1/16W, .5%, 0402	Susumu	RR0510R-49R9-D
47000416	B	1	R432	RESISTOR, 12.0K OHM, 1/16W, .5%, 0402	Susumu	RR0510P-123-D
47000420	B	1	R465	RESISTOR, 1.3K OHM, 1/16W, 0.1%, 0603	Panasonic	ERA-3YEB132V
48000093	B	1	D5	DIODE, ARRAY TVS, LOW CAPACITANCE	SEMTECH	SRV05-4.TC
48000152	B	2	D4, D6	DIODE, SCHOTTKY, 30V, 3A, SMC	ON SEMICONDUCTOR	MBRS330T3
1000196	A	0		LABEL, MAC ADDRESS IDENTIFICATION		
1000201	A	0		LABEL, PART NUMBER, REVISION, SERIAL NUMBER, BAR CODE		