



**Logic Product Development**  
PN: 1007615 Rev A

# Bill of Materials

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M5475CFEE Fire Engine (RoHS) 64MB DDR, 16MB NOR flash, 2MB boot flash, video, USB	1 - 7



## BOM REPORT

**Part Number** 1007615

**Part Description** ASSEMBLY, M5475CFEE, (RoHS)

**Part Revision** A

Part Number	Revision	Qty	Ref Des	Item Description	Initial MFG Name	Initial MFG Part Number
1007615	A			ASSEMBLY, PCB, M5475 (EVB), (ROHS), 64MB DDR, 16MB NOR FLASH, 2MB BOOT FLASH, VIDEO, USB,ERASED CPLD		
1001329	A	89	C4, C9, C11, C13, C15, C17, C20, C22, C23, C25, C36-C39, C49, C50, C58-C60, C63, C65-C67, C73, C91, C101, C109-C111, C113-C117, C119, C122-C137, C143, C148, C153, C155, 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
1001331	A	1	C19	CAP, CERAMIC, 470PF, 50V, X7R, 0402	AVX	04025C471KAT2A
1001332	B	33	C7, C8, C10, C12, C14, C16, C18, C21, C27, C40, C61, C64, C72, C108, C112, C120, C121, C138, C154, C157, C170, C175, C208-C211, C213-C215, C218, C219, C238, C241	CAP, TANTALUM, 22UF, 10V, 3528	Panasonic	ECS-T1AX226R
1001335	A	1	U102	IC, DIGITAL LOGIC/LATCHES, SCHMIDT TRIGGER INVERT, SINGLE, 1.65V TO 5.5V, SC-70	Texas Instruments	SN74LVC1G14DCKR
1001336	B	17	R6, R16, R74, R118, R135, R173, R244, R295, R340, R341, R430, R437, R438, R472-R475	RESISTOR, 10K OHM, 1/16W, 5%, 0402	Dale	CRCW0402103JT
1001337	A	12	R3, R147, R149-R153, R155, R156, R167, R168, R338	RESISTOR, 1.0K OHM, 1/16W, 5%, 0402	Panasonic	ERJ-2GEJ102X
1001339	A	2	R8, R9	RESISTOR, 10.0 OHM, 1/16W, 1%, 0402	Panasonic	ERJ-2RKF10R0X
1001368	A	18	R1, R10-R13, R19, R52, R110, R112, R113, R165, R172, R245, R280, R285, R370, R428, R434	RESISTOR, 0 OHM, 1/16W, 5%, 0402	Panasonic	ERJ-2GE0R00X



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1001374	A	22	R29, R30, R34, R50, R111, R126, R134, R264, R271, R282, R283, R294, R298, R308, R311, R313-R315, R468, R476-R478	RESISTOR, 22 OHM, 1/16W, 5%, 0402	Panasonic	ERJ-2GEJ220X
1001601	A	1	U59	IC, EEPROM, 3-WIRE SERIAL 2.7V, INDUSTRIAL TEMP.	Atmel	AT93C46-10TU-2.7
1001604	A	1	Q4	MOSFET, N-CH, 60V, 150MA, SOT23	Diodes Inc	2N7002-7-F
1001693	A	1	U14	IC, QFLASH, INTEL DEVICE ID, X8/X16, 128MBIT, 16MB, 3V, EXT. TEMP, FBGA	Intel	PC28F128J3D-75
1002081	A	1	Y2	CRYSTAL, 25.0000MHZ, 50PPM, SMT	Abrakon	ABM7-25.000MHZ-4-T
1002312	A	2	U100, U101	IC, POWER REG, 1.8V, 150MA, LDO, TSOP-5	On Semiconductor	NCP500SN18T1G
1002313	A	1	U71	IC, HYSTERETIC SWITCHING REGULATOR, PFET BUCK CONTROLLER, SOT23-5	National Semiconductor	LM3475MFX NOPB
1002314	B	1	U56	IC, DIGITAL LOGIC/LATCHES, SINGLE 2-INPUT POSITIVE AND GATE	Texas Instruments	SN74AHC1G08DBVRE4
1002315	A	1	U31	IC, BUFFER, QUAD, BUS BUFFER GATE W/TRI-STATE OUTPUTS	Texas Instruments	SN74LVC125APWRE4
1002317	A	1	U3	IC, CONTROLLERS, CONFIG DEVICES, USB PCI HOST CONTROLLER	PHILIPS	ISP1561BM (ROHS)
1002318	A	2	U92, U93	IC, BUFFER, BUS OCTAL NON-INVERTING, 20-TSSOP	Texas Instruments	SN74LVC541APWR (ROHS)
1002319	A	2	U74, U76	IC, DIGITAL LOGIC/LATCHES, EDGE TRIGGERED D TYPE F/F, TRI-STATE 48-TSSOP	Texas Instruments	SN74LVTH162374DGGR (ROHS)
1002320	A	1	U17	IC, DIGITAL LOGIC/LATCHES, SINGLE D TYPE FLIP FLIP WITH PRESET# AND CLEAR#	Texas Instruments	SN74LVC2G74DCTRE4
1002329	A	2	D4, D6	DIODE, SCHOTTKY, 30V, 3A, SMC	On Semiconductor	MBRS330T3G
1002379	A	12	C118, C212, C244, C245, C248, C251, C254-C256, C258-C260	CAP, CERAMIC, 1UF, 10V, X7R, 0805	AVX	0805ZC105KAT2A
1002380	A	1	R431	RESISTOR, 37.4K OHM, 1/16W, 1%, 0402	Yageo America	9T04021A3742FBHF3
1002381	A	1	U78	IC, POWER REG, 1.5 V, 1A, LDO, TO-252, INDUSTRIAL TEMP	Global Mixed-mode Tech Inc.	G1117-15T43Uf



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1002382	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
1002383	A	7	R227, R250-R252, R254, R350, R460	RESISTOR, ARRAY (4) 4.7K OHM, 5%, SMT, 0603	Panasonic	EXB38V472JV
1002384	A	2	R451, R452	RESISTOR, ARRAY (4) 0 OHM, 5%, SMT, 0603	Panasonic	EXB38VR000V
1002386	A	5	R5, R79, R124, R141, R372	RESISTOR, ARRAY (4) 10K OHM, 5%, SMT, 0603	Panasonic	EXB38V103JV
1002387	A	5	R83, R191, R195, R235, R442	RESISTOR, ARRAY (4) 15K OHM, 5%, SMT, 0603	Panasonic	EXB38V153JV
1002388	A	1	Q6	MOSFET, P-CH, -20V, -5.5A, SOT-223	Fairchild	FDT434P
1002391	A	1	U75	IC, RESET/SUPERVISORY, 3-PIN MICROPROCESSOR RESET CHIP 3.08V THRESHOLD ACTIVE LOW, SOT-23	OnSemi	NCP803SN308T1G
1002393	A	35	C3, C24, 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
1002394	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
1002395	A	4	C6, C26, C62, C68	CAP, CERAMIC, 22PF, 50V, NPO, 0402	Yageo America	0402CG220J9B200
1002398	A	1	C5	CAP, TANTALUM, 1.5UF, 16V, 3216	Kemet	T491A155K016AS
1002399	A	1	L1	INDUCTOR, 4.7UH, 4.8A, SMT	Coilcraft	DO3316P-472ML
1002400	A	11	FB4, FB17-FB21, FB30-FB33, FB35	FERRITE, 60OHMS @ 100MHZ, 400MA, 3225	Central Technologies	CTCB1210-600SF
1002401	A	12	FB1-FB3, FB5, FB22-FB29	FERRITE BEAD, 600OHM @ 100MHZ, 200MA, 0805	MURATA	BLM21BD601SN1D
1002402	B	1	J11	CONNECTOR, HEADER, MALE, 0.100IN, 4PIN, W/LOCKING GRAMP, 1X4	Molex	22-23-2041
1002403	A	1	J6	CONNECTOR, HEADER, MALE, 0.100IN, 6PIN, 2X3	Sullins	PTC03DAAN
1002404	A	1	J7	CONNECTOR, USB DEVICE MINI, RIGHT ANGLE	Molex	54819-0572
1002405	A	1	J5	CONNECTOR, CF SOCKET, 50PIN	Aptos Technology	CFZDF50AC20011



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1002406	A	1	J10	CONNECTOR, HEADER, MALE, 0.100IN, 26PIN, 2X13	Molex	015-91-2260
1002413	A	1	Q1	IC, DIGITAL LOGIC/LATCHES, INVERTER, ULTRAFAS, 3.3V, UNBUFFERED	Texas Instruments	SN74AHC1G04DBVR
1002414	A	1	U55	IC, DIGITAL LOGIC/LATCHES, FLIP-FLOP, DUAL D-TYPE, 14TSSOP	PHILIPS	74LVC74APW
1002428	A	22	R27, R31-R33, R35-R43, R286, R289-R291, R319, R321-R324	RESISTOR, ARRAY (4) 22 OHM, 5%, SMT	Panasonic	EXB-28V220JX
1002429	A	51	JP0+, JP1+, JP2+, JP3-, JP4+, JP5-, JP6-, JP8+, JP9+, JP10+, JP11+, JP12-, JP13-, JP14-, JP15+, JP16-, JP17-, R14, R15, R17, R53, R54, R56, R98, R100, R102, R104, R224, R225, R260, R261, R272-R274, R287, R316, R317, R328, R330, R332, R333, R337, R348, R349, R351, R359, R373, R457, R458, R464, R466	RESISTOR, 4.75K OHM, 1/16W, 1%, 0402	Panasonic	ERJ-2RKF4751X
1002430	A	1	R169	RESISTOR, 750 OHM, 1/16W, 1%, 0402	Panasonic	ERJ-2RKF7500X
1002431	A	23	R78, R80, R84, R101, R187, R189, R201, R203, R205, R207, R209, R211, R213, R215, R217, R222, R233, R439, R440, R445, R446, R469, R470	RESISTOR, 15K OHM, 1/16W, 5%, 0402	Yageo America	9C04021A1502JLHF3
1002432	A	1	R465	RESISTOR, 1.3K OHM, 1/16W, 0.1%, 0603	Panasonic	ERA-3YEB132V
1002434	A	1	D5	DIODE, ARRAY TVS, LOW CAPACITANCE	SEMTECH	SRV05-4.TCT
1002435	A	22	R59, R63, R67, R70, R72, R366-R369, R378, R382-R387, R393, R394, R401, R402, R418, R423	RESISTOR, 49.9 OHM, 1/16W, .5%, 0402	Susumu	RR0510R-49R9-D
1002436	A	2	R4, R432	RESISTOR, 12.0K OHM, 1/16W, 0.5%, 0402	Susumu	RR0510P-123-D
1002439	A	1	U70	IC, CONTROLLERS, CONFIG DEVICES, MOBILE COMPUTER DISPLAY CONTROLLER	Silicon Motion	SM712GX04LF00-BA
1002551	A	1	R73	RESISTOR, 9.1K OHM, 1/16W, 1%, 0402	Yageo America	RC0402FR-079K1L
1002696	A	4	J1-J4	CONNECTOR, HEADER, MALE, 0.6MM, 100PIN, 2X50	Hirose	FX8-100P-SV(93)



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1003015	A	0		SOFTWARE, XML, COLD FIRE, FCT CLIENT TEST SCRIPT MCF5475 CFE, ALL BYTES, ERASE CPLD		
1003067	B	0		FUNCTIONAL TEST PROCEDURE, MOTOROLA COLD FIRE, WITH MODULAR TEST CLIENT		
1003248	A	2	U5, U6	IC, DDR SDRAM, 256MB	MICRON	MT46V16M16P-75
1003323	A	6	C2, C261-C265	CAP, CERAMIC, 0.1UF, 16V, Y5V, 0402	Panasonic	ECJ-0EF1C104Z
1003329	A	1	U80	IC, TRANSCEIVER, 10/100 BASE TX, DUAL PORT ETHER-NET PHY INDUSTRIAL TEMP	Broadcom	BCM5222KQMG
1003895	A	1	U79	IC, DDR TERMINATION REGULATOR, SOP-8	National	LP2995MX/NOPB
1003993	A	1	Y4	OSCILLATOR, 14.31818MHZ, 3.3V, 50PPM, SMT	CTS	CB3LV-3C-14M31818-T (RoHS)
1003994	A	1	U9	OSCILLATOR, 66.6000MHZ, 3.3V, 100PPM, SMT	CITIZEN	CSX750FJC66.666000M TR (RoHS)
1004024	A	1	Y1	CRYSTAL, 12.0000MHZ, 50PPM, SMT	CITIZEN	CS10-12.000MABJUT
1004026	A	2	U10, U58	IC, BUFFER, ZERO DELAY, 3.3V, INTERNAL FEEDBACK, 8-SOIC	Cypress	CY2305SXC-1
1004421	G	0		SCHEMATIC, MCF54XX ETX ROHS MODULE		
1006582	A	1	U81	IC, POWER REG, 2.5V, 1.5A, LDO, 3 LEAD TO-252 DPAK	Fairchild	FAN1950D25X
1007114	B	1	PCB1	PCB, M547X/M548X ETX MODULE, R320 REPLACED		
1007515	A	1	U2	IC, PROCESSOR, COLD FIRE, MCF5475 SILICON REVISION 1.3	Freescale Semiconductor	MCF5475VR266
1007763	A	0		ASSEMBLY DRAWING, CARD ENGINE, M548X/M547X ETX MODULE		
1000196	A	0		LABEL, MAC ADDRESS IDENTIFICATION		
1006494	A	0		LABEL, PART NUMBER, REVISION, SERIAL NUMBER, BAR CODE, ROHS		
1002592	A	1	U12	IC, CPLD, 64 MACROCELL, 100-PIN VQFP, COMM. TEMP.	Xilinx	XC2C64-7VQG100C
20500089	B	0		SOFTWARE, CPLD CODE, MCF5475/85 FIRE ENGINES. 64 MACROCELL		
1002482	A	1	U13	IC, FLASH, 16MBIT	INTEL	JS28F160C3BD70



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1002927	A	0		SOFTWARE, RAW, COLDFIRE, FCT CLIENT V1.0.5 & DBUG V4A.1A.1D & LOLO 2.0.2, MCF5475, ALL BYTES		