

BOM			MC5307C3 Rev. 3.3 Board Level			
PROJECT QTY.			Part Information			
Item	Assy.	L2 Mult	Vendor/Part Number	Description	Ref. Des.	Manufacturer
1	11	1155	TA016TCM106KBR	CAP,10 uf Tant. "B"	C1, C15, C16, C24, C35, C36, C48, C49, C53, C65, C112	Venkel Corporation
2	3	315	C0805X7R500-103KNE	CAP,.01 uf, 805, X7R	C2, C5, C64	Venkel Corporation
3	46	4830	C0805X7R500-104KNE	CAP,.1 uf, 805, X7R	C3, C4, C14, C17, C18, C19, C25, C26, C27, C28, C29, C30, C31, C32, C33, C37, C43, C54, C56, C58, C59, C61, C62, C63, C66, C68, C74, C75, C77, C78, C89, C90, C92, C95, C104, C107, C109, C110, C114, C116, C87, C23, C40, C79, C52, C22	Venkel Corporation
4	2	210	C0805X7R500-152KNE	CAP,1500pf, 805, X7R	C50, C67	Venkel Corporation
4B	38	3990	C0805COG500-102JNE	CAP,1000PF, 0805, COG	C69, C83, C82, C38, C39, C8, C21, C11, C12, C9, C84, C70, C6, C51, C20, C44, C46, C115, C72, C42, C60, C45, C47, C34, C113, C73, C55, C71, C94, C57, C96, C103, C100, C111, C106, C98, C108, C101	Venkel Corporation
4C	5	525	C0805COG500-101JNE	CAP,100PF,0805,COG	C81, C41, C88, C86, C13	Venkel Corporation
4D	10	1050	C0805COG500-471JNE	CAP,470PF, 0805, COG	C76, C93, C102, C97, C105, C99, C7, C85, C10, C80	Venkel Corporation
4E	9	945	C0805COG500-100JNE	CAP10PF, 0805, COG	Add a 10 pF capacitor (NPO or COG material) from each of the following pins on the Clock Driver (U18) to ground after the 22 ohm series termination resistors R78 through R86: 1, 2, 11, 14, 16, 18, 19, 21, 22	Panasonic
4F	1	105	ECU-S2A470JCA	CAP47PF, THRU-HOLE.2, NPO/COG	ADD CAPACITOR ACROSS PIN 20 (GND) and PIN 24(PSTCLK) of J1 BDM HEADER (on bottom side of board)	Panasonic
5	1	105	PCE2048CT-ND	CAP, SMT, RADIAL, 220uf, 25V, VA, series, SMD	C91	Panasonic
6	7	735	160-1120-1-ND	LED, SMT, Green	D1, D2, D3, D5, D7, D9, D15	Lite-On
7	1	105	1N5400CT-ND	DIODE, AXIAL, THRU HOLE	D4	Diodes
9	5	525	160-1121-1-ND	LED, SMT, RED	D6, D8, D10, D11, D12	Lite-On
10	2	210	160-1122-1-ND	LED, SMT, YELLOW	D13, D14	Lite-On
12	7	735	S1011-03-ND	CONN HDR 1 X 3 100mil x 6mm	JP1, JP2, JP7 {JP3, JP4, JP5, JP6,}=3x4	Sullins Electronics
13	2	210	S2012-02-ND	CONN HDR 2X 2 100mil x 6mm	JP12/JP13, JP8/JP9 = 2X2	Sullins Electronics
15	10	1050	S1011-02-ND	CONN HDR 1 X 2 100mil x 6mm	JP10, JP11 {J14, J15, J16, J17, J18, J19, J20, J21}=2X8	Sullins Electronics
16	1	105	MHB26K-ND	CONN, 2X13, 100mil x 6mm, shrouded- 4 wall	J1	Sullins Electronics
17	1	105	S1011-08-ND	CONN hdr. 1 X 8 100mil x 6mm	J2	Sullins Electronics
18	2	210	S2011-17-ND	CONN 2X17, 100mil x 6mm	J3	Sullins Electronics
19	1	105	S2011-30-ND	CONN 2X30, 100mil x 6mm	J4	Sullins Electronics
20	5	525	767054-1	CONN, Mictor	LA1, LA2, LA3, LA4, LA5 POP ONLY 20 BOARDS	AMP
21	1	105	BLM31A700SPT	IND, SMT, Ferrite Bead	L1	Murata

22	1	105	46F897	CONN,2-PIN PWR,2SV-02	P1	AUGAT
23	1	105	93F7716/RAPC722	CONN, pwr conn 3-pin, .08 DIA.	P2	Switchcraft
24	2	210	66F1579/78875-1	CONN,9,D,FEMALE,thru-hole	P4, P3	AMP
25	1	105	571-5551641	CONN,Thur-Hole, RJ 45 8P	P5	AMP
32	4	420	CR0805-10W-013FT	RES,1K,1%,805	R58, R59, R60, R73	Venkel Corporation
33	1	105	Digi-Key/P10.0CCT-ND	RES,10 R,1%, 805	R74	Digi-Key
34	4	420	4310R-1-472-ND	RES, RPAK,4.7K,10-PIN 9RES	SP1, SP2, SP3,SP4	Bourns
35	1	105	KS11R23CQD	Switch,Hard Reset -thru- hole-2 pin	S1	C & K
36	1	105	KS11R22CQ	Switch,Hard Reset -thru- hole-2 pin	S2	C & K
37	17	1785	S1011-01-ND	CONN, 1X1 ,Test pin	T1, T12, T15, T16, T17,[T7-T9, T6-T10, T5-T4, T2-T3, T8-T11, T13-T14 are 1x2]	Sullins Electronics
38	1	105	FD22-101G	Voltage filter,Thru hole-12 pin	U7	Halo Electronics
39	1	105	MC145407DW	IC, 16 LEAD SOG	U2	Motorola
40	1	105	MC145406DW	IC, 16 LEAD SOG	U3	Motorola
41	1	105	TLC7733ID	IC, SOP8	U4	TI
42	1	105	TLC7705ID	IC, SOP8	U5	TI
43	1	105	P1100-HCV-20MHZ	XTAL,4 PIN THUR HOLE,20MHz	U6	Pletronics
44	1	105	MCF5307FT54	Supplied by Motorola	U1	Motorola
45	1	105	ispLSI2032VE-135LJ44	IC, PLCC44, Lattic	U9	Lattice
46	1	105	MC74LCX244DW	IC, SOP20	U10	Motorola
47	2	210	MC74LCX16244DT	IC: TSSOP 48 PIN16 bit 3.3v transceiver	U11, U15	Motorola
48	1	105	DM9008F/B	IC, QFP100, Ethernet controller	U12	Davicom
49	1	105	AT93C46-10SC-2.7	AT93C46-10SC-2.7	U13	AMTEL
50	1	105	LT1086CT-5-ND	IC, REG, 5.0V, , TO220	U14	Linear Technology
51	2	210	MC74LCX16245DT	IC: 16 bit 3.3v transceiver	U25, U16	Motorola
52	1	105	LT1086CT3.3	IC, REG, 3.3V, TO220	U17	Linear Technology
53	1	105	CDC351DW	TI, 24 pin SMT package	U18	TI
54	1	105	MCM69F737TQ11	IC	U19	Motorola
55	2	210	AM29LV004BT-120EC	IC, Flash, 40 pin TSOP	U20, U21	AMD
56	1	105	P1100-HCV-45MHZ	XTAL,4 PIN THUR HOLE,45MHz	U22	Pluetronics
57	1	105	M366S0424DTS-C1L	SDRAM DIMM,PC100,168 pinn,4M X 64,3.3V,Unbuff,100MHZ,10ns @ CL = 3	U23	Samsung
58	1	105	ispGAL22LV10-5LJ	IC,PLCC28,200MHZ, 5ns, 28 lead	U24	Lattice

59	1	105	822275-1	PLCC socket 44 ,SMD	XU9	AMP
60	1	105	822271-1	PLCC socket 28 ,SMD	XU24	AMP
61	1	105	CR0805-10W-1002FT	RES,10k, 805, 5%	R1	Venkel
62	2	210	CR0805-10W-220FT	RES, 2K, 805, 5%	R22, R23	Venkel
63	44	4620	CR0805-10w-4720FT	RES, 4.7K, 805, 5%	R11, R12, R14, R15, R17, R18, R19, R2, R20, R25, R26, R27, R3, R31, R32, R33, R34, R4, R42, R43, R44, R45, R46, R47, R48, R49, R5, R50, R51, R52, R54, R55, R56, R57, R6, R71, R53, R75	Venkel
64	1	105	S2011-19-ND	CONN, HEADER, 2X19	J5	Sullins Electronics
65	21	2205	CR0805-10W-220JT	22R, 805, 5%	R16, R35, R24, R28, R29, R30, R36, R37, R38, R39, R40, R41, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87	Venkel
66	2	210	CR0805-10W-49R9FT	RES, 49.9R, 805, 1%	R10, R13	Venkel
67	15	1575	CR0805-10W-271JT	RES,270 R, 805, 5%	R21, R61, R62, R63, R64, R65, R66, R67, R68, R69, R7, R70, R72, R9	Venkel
68	1	105	91145-60002	SOCKET, 168 PIN, DIMM ,.05 1 ROW	XU23	BERG
69	16	1680	929950-00-ND	Shunt, IX2 Jumper	J14, J15, J16, J17, J18, J19, J20, J21	
70	2	210	A462-ND	Socket, full oscl. Size, 4 pin thru hole	XU22, XU6	