

MM-5100U CDMA 1X VOICE/DATA MODEM (DONGLE)

COMPONENT PARTS LIST

- 1 MM-5100U Modem Ass'y
 - 1-1 Case Ass'y
 - 1-2 Interface board Ass'y
 - 1-3 CDMA Engine Ass'y
- 2 Accessory
- 3 Packing

NO	LEVEL	PART-NUMBER	DESCRIPTION	Q'TY	REFERENCE
	1		MM-5100U Modem ASS'Y		
	1-1		CASE ASS'Y		
1	1-1-1	Upper Case	Upper Case	1	
2	1-1-2	Lower Case	Lower Case	1	
3	1-1-3	R-UIM cover	R-UIM cover	1	
4	1-1-4	Rubber cover	Rubber cover	1	
5	1-1-5	USB connector cap	USB connector cap	1	
6	1-1-6	Antenna	Antenna	1	
7	1-1-7	Label	Label	1	
8	1-1-8	poly bag	poly bag	1	
9	1-1-9	Sheet	Sheet	1	
	1-2		INTERFACE BOARD ASS'Y		
7	1-2-1	PCB, 4Layer, 1.0T	PCB	1	
8	1-2-2	PSR05	TVS array for USB lines	1	U700
9	1-2-3	PSMF05	TVS arrays +/- 5V line	3	U704, U705, U707
10	1-2-4	MIC39102BM	LDO , adjustable , 1A	1	U701
11	1-2-5	TC1015	LDO, 3.0V	2	U702, U706
12	1-2-6	ISP1105W	USB transeiver	1	U703
13	1-2-7	SMOS-8526B-28C0	Buzzer	1	BUZ700
14	1-2-8	DWAP-02-04	USB Type "A"	1	CON700
15	1-2-9	AXK6F70345P	Interface connector(header	1	CON701
16	1-2-10	EPJ1-5-A-TD	Ear-jack connector	1	CON702
17	1-2-11	Antenna Holder	Antenna Holder	1	CON703
18	1-2-12	MM8430-2600B	RF switch	1	CON704
19	1-2-13	KP09C-6S-2.54SF	R-UIM Connector	1	CON705
20	1-2-14		LED, Single, LAMP type	1	LED700
21	1-2-15		LED, Bi-Color, LAMP type	1	LED701
22	1-2-16	MXTK91TK1000	Antenna cable assy, 5cm, single head	1	J701
23	1-2-17	2.7K(1%)	Chip Resistor	1	R700
24	1-2-18	1.3K(1%)	Chip Resistor	1	R701
25	1-2-19	10K(5%)	Chip Resistor	3	R702, R705, R715
26	1-2-20	30K(5%)	Chip Resistor	3	R703, R704, R718
27	1-2-21	1.5K(5%)	Chip Resistor	1	R706
28	1-2-22	33ohm(5%)	Chip Resistor	2	R707, R708
29	1-2-23	220ohm(5%)	Chip Resistor	7	R709, R110, R711, R712 R719, R720, R721
30	1-2-24	4.7ohm(5%)	Chip Resistor	2	R713, R714
31	1-2-25	1K(5%)	Chip Resistor	2	R716, R717
32	1-2-26	10uF/10V	Tantal capacitor	5	TC700, TC702, TC703, TC704, TC705
33	1-2-27	47pF	Chip Capacitor	2	C701, C702
34	1-2-28	1nF	Chip Capacitor	6	C703, C704, C715, C716 C717, C722
35	1-2-29	10nF	Chip Capacitor	3	C705, C706, C707
36	1-2-32	100pF	Chip Capacitor	6	C708, C712, C713, C714 C718, C719
37	1-2-33	100nF	Chip Capacitor	4	C709, C710, C711, C723
38	1-2-34	33pF	Chip Capacitor	2	C724, C725
39	1-2-35	8.2nH	Chip Inductor	1	L700
40	1-2-36	1pF	Chip Capacitor	1	C721
	1-3		CDMA Engine ASS'Y		
41	1-3-1	PCB, 6-layer, 0.8T	PCB	1	
42	1-3-2	SHIELD CAN, Frame	Frame, SPTE(0.3T)		
43	1-3-3	SHIELD CAN, Top	SUS304 0.2(hear line)		
44	1-3-4	SHIELD CAN, Bottom	SUS304 0.2(hear line)	3	
45	1-3-5	MSM5100	MODEM PROCESSOR	1	U400
46	1-3-6	S1M8656A IFR3300	RX TRANSCEIVER	1	U101

47	1-3-7	RFT3100-1, RFT3100-2	TX TRANSCEIVER	1	U300
48	1-3-8	ITM2520	DUAL BAND LNA+MIXER	1	U100
49	1-3-9	SV5C3238UTA-85I LRS1383	FLASH+SRAM	1	U401
50	1-3-10	RTVY-1244DF327T -S-19.200	VC-TCXO	1	U102
51	1-3-11	S1M8838A01-G0T0	PLL IC	1	U103
52	1-3-12	EFSD836MC5S3	DUPLEXER	1	DUX100
53	1-3-13	EFCH1575MTE3	GPS RX SAW	1	FL200
54	1-3-14	FSRS0881C1	RX RF SAW FILTER	1	FL100
55	1-3-15	FSRS0836C1	TX RF SAW FILTER	1	FL300
56	1-3-16	FSMS0183B2	RX IF SAW FILTER	1	FL101
57	1-3-17	SAFCC183M	GPS RX IF SAW	1	FL202
58	1-3-18	MM9329-2700RA1	RF CONNECTOR	2	RF100, RF200
59	1-3-19	2322_615_33683	THERMISTOR	1	TH400
60	1-3-20	VC-2R8A90-1395	DUAL BAND VCO	1	U104
61	1-3-21	CX77105-16P	POWER AMPLIFIER	1	U301
62	1-3-22	AXK5F70545P	CONNECTOR, 70pin	1	CON500
63	1-3-23	MAAMSS0005	LO BUFFER	1	U303
64	1-3-24	TC1300R-2.8VUA	LDO+RESET IC	1	U500
65	1-3-25	TPS76430(DBVR)	LDO.3.0V	1	U502
66	1-3-26	TC1015-2.7VCT713 TPS76427(DBVR)	LDO, 2.7V	1	U505
67	1-3-27	TC1015-3.0VCT713 TPS76430DBVR	LDO, 3.0V	1	U501
68	1-3-28	TC1015-2.85VCT713	LDO, 2.85V	1	U503
69	1-3-29	SN74LVC2G126DCUR	DATA BUFFER	1	U504
70	1-3-30	1SV281	VARACAP.	4	VD140, VD141, VD300, VD301
71	1-3-31	CM130	CRYSTAL, 32.768KHZ	1	XT400
72	1-3-32	CSTCW4800MX41	USB CRYSTAL, 48MHZ	1	XT401
73	1-3-33	EMD9 SI1016X-T1	TR	1	Q302
74	1-3-34	SI2305DS-T1	TR, FET, PMOS	1	Q500
75	1-3-35	UMF4N	TR	1	Q400
76	1-3-36	EMG2	TR	1	Q501
77	1-3-37	RSA6.1EN	TVS DIODE	1	Q502
78	1-3-38	EMH3	TR	1	Q503
79	1-3-39	1SS400G	SWITCHING DIODE	1	D400
80	1-3-40	MA2S728	SWITCHING DIODE	2	D301, D302
81	1-3-41	SML-310VT	LED	1	LED400
82	1-3-42	FCC16-202-AD	FUSE	1	FU500
83	1-3-43	220	HH-1M2012-221JT	1	BD400
84	1-3-44	600	HB-1M1608-601JT	6	BD300, BD301, BD302, BD500, BD501, BD502
85	1-3-45	10uF/6.3V	TANTAL CAP.	18	TC100, TC101, TC102, TC103, TC200, TC300, TC301, TC302, TC303, TC304, TC500, TC501, TC502, TC503, TC504, TC505, TC506, C413
86	1-3-46	22uF/4V	TANTAL CAP.	1	C413
87	1-3-47	0.56pF	NPO	1	R123
88	1-3-48	1.0pF	NPO	5	C110, C115, C226, C228, C345
89	1-3-49	1.5pF	NPO	1	C229
90	1-3-50	2.0pF	NPO	2	C325, L117
91	1-3-51	3.0pF	NPO	1	C225
91	1-3-52	3.3pF	NPO	1	C152
92	1-3-53	3.9pF	NPO	3	C227, C323, C327
93	1-3-54	5.6pF	NPO	1	C127
94	1-3-55	6.8pF	NPO	1	C112
95	1-3-56	12pF	NPO	3	C121, C313, C320
96	1-3-57	15pF	NPO	2	C133, C165
97	1-3-58	18pF	NPO	2	C456, C457
98	1-3-59	22pF	NPO	4	C128, C129, C348, C349
99	1-3-60	33pF	NPO	2	C150, C151
100	1-3-61	47pF	NPO	1	C302
101	1-3-62	56pF	NPO	1	C324
102		68pF	NPO	2	C318, C319
103		100pF	NPO	24	C114, C123, C125, C130, C160, C164, C170, C221, C301, C304, C307, C309, C330, C331, C334, C340, C346, C429, C430, C431, C444, C445, C449
104	1-3-63	220pF	NPO	2	C453, C454
105	1-3-64	330pF	X7R	2	L115, C335

106	1-3-65	1.0nF	X7R	27	C118, C119, C122, C134, C135, C147, C163, C200, C223, C230, C310, C312, C328, C329, C336, C342, C344, C347, C350, C455, C503, C505, C507, C509, C513, R305, R306
107	1-3-66	2.7nF	X7R	1	C155
108	1-3-67	3.3nF	X7R	3	C153, C169, C300
109	1-3-68	4.7nF	X7R	1	C145
110	1-3-69	5.6nF	X7R	1	C315
111	1-3-70	6.8nF	X7R	1	C322
112	1-3-71	10nF	X7R	24	C117, C131, C148, C149, C231, C314, C339, C341, C343, C415, C419, C425, C432, C433, C447, C448, C450, C501, C502, C504, C506, C508, C510, C512
113	1-3-72	33nF	Y5V	1	C167
114	1-3-73	47nF	Y5V	2	C113, C222
115	1-3-74	100nF	Y5V	49	C124, C126, C140, C141, C142, C143, C144, C146, C161, C162, C166, C171, C303, C305, C306, C308, C321, C326, C332, C333, C337, C338, C400, C401, C402, C403, C405, C406, C407, C408, C409, C410, C411, C412, C417, C420, C421, C422, C423, C424, C426, C427, C428, C438, C446, C451, C452, C458, C511
116	1-3-75	220nF	X7R	1	C168
117	1-3-76	470nF	X7R	2	C154, C201
118	1-3-78	DNI	CAPACITOR	DNI	C132, C224
119	1-3-79	3.3nH	Ceramic Inductor	1	L113
120	1-3-80	3.9nH	Ceramic Inductor	1	L303
121	1-3-81	4.7nH	Ceramic Inductor	1	L220
122	1-3-82	5.6nH	Ceramic Inductor	1	L306
123	1-3-83	6.8nH	Ceramic Inductor	1	L118
124	1-3-84	12nH	Ceramic Inductor	2	L114, L120
125	1-3-85	15nH	Ceramic Inductor	3	L112, L304, C120
126	1-3-86	18nH	Ceramic Inductor	2	L307, L308
127	1-3-87	39nH	Ceramic Inductor	1	L305
128	1-3-88	56nH	Ceramic Inductor	1	L119
129	1-3-89	68nH	Ceramic Inductor	1	L309
130	1-3-90	5.1nH	Wire type Inductor(J)	1	L110
131	1-3-91	15nH	Wire type Inductor(J)	2	L123, L124
132	1-3-92	22nH	Wire type Inductor(J)	2	L121, L122
133	1-3-93	24nH	Wire type Inductor(J)	2	L300, L301
134	1-3-94	39nH	Wire type Inductor(J)	2	L125, L126
135	1-3-95	120nH	Wire type Inductor(J)	2	L222, L223
136	1-3-96	220nH	Wire type Inductor(J)	1	L221
137	1-3-97	22nH	Wire type Inductor(G)	2	L150, L302
138	1-3-99	0	RESISTOR	6	R119, R121, R421, R430, R515, R523
139	1-3-100	3	RESISTOR	2	R150, R411
140	1-3-101	22	RESISTOR	5	R147, R149, R507, R509, BD100
141	1-3-102	30	RESISTOR	1	R153
142	1-3-103	51	RESISTOR	1	R310
143	1-3-104	100	RESISTOR	5	R118, R141, R142, R148, R302
144	1-3-105	330	RESISTOR	2	R410, R416
145	1-3-106	470	RESISTOR	4	R151, R505, R510, R333
146	1-3-107	820	RESISTOR	1	R146
147	1-3-108	1K	RESISTOR	15	R113, R114, R116, R140, R200, R300, R301, R332, R335, R422, R423, R427, R428, R431, R432
148	1-3-109	1.8K	RESISTOR	1	R426
149	1-3-110	2.0K	RESISTOR	1	R330
150	1-3-111	2.2K	RESISTOR	3	R405, R406, R407
151	1-3-112	2.7K	RESISTOR	1	R152
152	1-3-113	3.9K	RESISTOR	1	R309
153	1-3-114	5.6K	RESISTOR	1	R145
154	1-3-115	10K	RESISTOR	18	R117, R143, R144, R307, R308, R331, R409, R413, R414, R415, R424, R429, R433, R434, R438, R514, R518, R520

155	1-3-116	13K	RESISTOR	1	R517
156	1-3-117	20K	RESISTOR	1	R401
157	1-3-118	30K	RESISTOR	7	R112, R408, R501, R508, R511, R519, R522
158	1-3-119	47K	RESISTOR	2	R334, R437
159	1-3-120	100K	RESISTOR	3	R440, R502, R521
160	1-3-121	120K	RESISTOR	1	R439
161	1-3-122	180K	RESISTOR	2	R400, R404
162	1-3-123	20K 1%	RESISTOR	2	R120, R122
163	1-3-124	12.1K 1%	RESISTOR	1	R303
164	1-3-125	75K 1%	RESISTOR	1	R417
165	1-3-126	100K 1%	RESISTOR	1	R418
166	1-3-127	180K 1%	RESISTOR	1	R420
167	1-3-128	240K 1%	RESISTOR	1	R419
168	1-3-129		Thermal PAD	2	
	2		ACCESSORY		
	2-1	USB cable assembly		1	
	2-2	Ear-piece assembly		1	
	2-3	Antenna		1	
	3		PACKAGE ASS'Y		
	3-1	BOX	BOX	1	
	3-2				
	3-3				