FV100M Revised: Wednesday, December 24, 2014
D-   Revision: 0.7

Finger Vein Identification System(FV-100 Main Board)
Korecen Co.Ltd

Bill Of Materials   December 24,2014   12:23:48

Item	Quantity	Reference	Part
1	3	BCF1,BC1,BCF2	0.1uF(1608_UNLOAD)
2	121	BC2,BC3,BC4,BC5,BC6,BC7, BC8,C9,BC9,BC10,C11,BC11, C12,BC12,BC13,C14,BC14, BC15,BC16,C17,BC18,C19, BC19,C21,BC21,BC23,BC24, BC25,C26,BC26,BC27,BC28, BC29,BC30,BC31,BC32,BC33, BC34,BC35,BC36,BC37,BC38, BC39,BC40,BC41,BC42,BC43, BC44,BC45,BC46,BC47,C48, BC48,BC49,C50,BC50,BC51, BC52,BC53,BC54,BC55,BC56, BC57,BC58,C71,C74,C75, C76,C77,C78,BC89,BC91, BC97,BC98,BC99,C100, BC100,C101,BC101,BC102, C103,BC103,C104,BC104, BC106,BC107,BC108,BC109, BC110,BC111,BC112,BC113, BC114,BC115,BC116,BC117, BC118,BC119,BC120,BC121, BC122,BC123,BC124,BC125, BC127,BC128,BC129,BC130, BC131,BC132,BC133,BC136, BC138,BC139,BC141,BC144, BC146,BC148,BC151,BC152, BC153	0.1uF(1608)
3	1	BC17	3.3uF/10V(1608_Ceramic)
4	12	BC20,C22,C81,C82,C83,C86, BC105,BC126,BC134,BC140, BC143,BC147	10uF/10V(1608_Ceramic)
5	1	BC22	1uF/16V(P_TT)
6	29	BC59,BC60,BC61,BC62,BC63, BC64,BC65,BC66,BC67,BC68, BC69,BC70,BC71,BC72,BC73, BC74,BC75,BC76,BC77,BC78, BC79,BC80,BC81,BC82,BC83, BC84,BC85,BC86,BC87	10pF(1608)
7	4	C49,C51,C53,BC88	10uF/16V(A_TT)
8	3	C52,C54,BC90	1uF/10V(1608_Ceramic)
9	4	BC92,BC93,BC94,BC95	0.01uF(1608)
10	4	C27,C29,C30,BC96	4.7uF/10V(1608_Ceramic)
11	3	C47,BC135,BC137	4.7uF/16V(A_TT)
12	3	BD1,BD2,BD3	BEAD(HH-1M1608-121JT)
13	1	BD4	BEAD(3216_26ohm)
14	5	BD5,BD8,BD9,BD11,BD14	BEAD(2012_150ohm)
15	2	BD6,BD7	BEAD(2012_30ohm_33ohm)

16	1	BD10	BEAD(2012_150ohm_UNLOAD)
17	1	BT1	MS-920SE (Lithium_3.1V/11mAh_SeikoInstrumentsInc.)
18	1	BZ1	BUZZER(ALP1205)
19	10	C1,C2,C3,C4,C5,C6,C7,C8, C38,C46	CN(1608_UNLOAD)
20	2	C10,C13	10uF/16V(TT_A)
21	2	C15,C16	0.001uF(1608)
22	2	C18,C20	18pF(1608)
23	3	C23,C102,C106	0.001uF/2KV(3216)
24	2	C24,C25	5pF(1608)
25	1	C28	2.2uF/50V(D(4mm)_H(5.5mm)_CAN)
26	2	C31,C39	0.022uF(1608_X7R)
27	4	C32,C33,C40,C41	10uF/50V(3225_Ceramic,Y5V)
28	4	C34,C35,C42,C43	22uF/16V(3225_Ceramic,X5R)
29	2	C36,C44	0.1uF(1608_X7R)
30	1	C37	0.01uF(1608_X7R)
31	1	C45	0.0082uF(1608_X7R)
32	6	C56,C57,C79,C80,C89,C90	22pF(1608)
33	5	C58,C59,C64,C68,C73	15pF(1608_2%)
34	2	C60,C70	27pF(1608_2%)
35	2	C61,C65	47pF(1608_2%)
36	4	C62,C63,C66,C67	220pF(1608_2%)
37	2	C69,C72	15pF(1608)
38	2	C84,C85	150pF(1608)
39	2	C87,C88	10uF/10V(2012_Ceramic)
40	1	C105	470uF/16V(CAN_UNLOAD)
41	1	D1	RB063L-40(SS24)
42	2	D2,D3	SMB15C
43	2	D4,D5	SMB15
44	5	D6,D10,D12,D17,D18	DAP202K(1SS181)
45	2	D7,D8	1N4004(SMD_M4)
46	1	D9	1N4148(miniMELF_UNLOAD)
47	1	D11	ZHCS2000TA(SOT26)
48	4	D13,D14,D15,D21	B340A(SMA_Schottky_40V_3A)
49	1	D16	RB751S40(SOD523)
50	2	D19,D20	B240A(SMA_UNLOAD)
51	8	D22,D23,D24,D25,D26,D27, D28,D29	SS210(SMB)
52	1	F1	MiniSMD110
53	1	JL1	CON40(0.5mm_FPC)
54	5	JPT1,JPR1,JPB1,JPR2,JPB2	A4-3PA-2DSA
55	1	JPC1	HEADER_10X2 (2mm_SMD_C6200-20BDXAT0(S461))
56	1	JPC2	HEADER_4X2 (2mm_SMD_C6200-08BDXAT0(S461))
57	1	JPT2	A4-3PA-2DSA(UNLOAD)
58	3	JP1,JP2,JP10	MOLEX5267-3
59	1	JP5	MOLEX5267-10
60	1	JP6	MOLEX5267-6
61	1	JP9	HIF3FC-10PA-2.54DSA
62	2	JP11,JP12	MOLEX5267-2
63	1	JP13	B7B-ZR
64	1	JP14	MOLEX53014-2
65	1	JP15	MOLEX5267-4
66	1	JP16	MOLEX53014-3
67	2	JP19,JP20	A4-2PA-2DSA

68	16	J1,J2,J3,J4,J5,J6,J7,J8, J9,J10,J11,J16,J17,J18, J19,J20	A3-SP
69	1	J6	RJ-45(WithLED_XRJM-S-01-8-8-4)
70	1	J8	CON USB(Receptacle,Atype,RA,4P)
71	1	J11	CON MiniUSB(Receptacle,Btype,RA,5P)
72	2	J12,J13	ZHR-7
73	1	J14	CON5(HIF3H-5SA-2.54DSA_EPD-1200_SOCKET)
74	1	J15	CON3(HIF3H-3SA-2.54DSA_EPD-1200_SOCKET)
75	1	LCD1	LCD_(5inch_RT500A4001)
76	1	LD1	LED(1608_PureGREEN_CL-SP192DLG)
77	1	LD2	LED(1608_RED_CL-SP192UHR)
78	1	LD3	LED(1608_BLUE_S1608BL-4T)
79	2	LS1,LS2	DS2Y-S-DC5V
80	1	L1	4.7uH(YCDM3015T_1.1A_Shield)
81	1	L2	SLF6028T-150M1R0-PF (15uH_1A_Shielded_Wound_TDK)
82	1	L3	SLF6028T-100M1R3-PF (10uH_1.3A_Shielded_Wound_TDK)
83	2	L4,L5	INDUCTOR(2.2uH_TDK_NL322522T-2R2J)
84	11	MTH1,MTH2,MTH3,MTH4,MTH5, MTH6,MTH7,MTH8,MTH9, MTH10,MTH15	MTH(3mm)
85	4	MTH11,MTH12,MTH13,MTH14	5.0mm(LCD_Support)
86	1	M1	Camera(ICM033MC-821V)
87	1	M2	EPD-1200(SOCKET)
88	1	OSC1	OSCILLATOR (SMD_3.3V_25MHz_SCO-53_UNLOAD)
89	1	PCB1	PCB
90	1	Q1	XP162A12A6PR
91	1	Q2	MMST2222(SMT3)
92	2	Q3,Q4	MMBT4401(SOT-23)
93	3	Q5,Q6,Q7	2SC2412K(2SC1815LT1)
94	32	RB1,R1,RS2,R2,R4,R5,R6, R7,R8,R9,R16,R17,R18,R20, R21,R22,R23,R24,R25,R28, R44,R86,R87,R93,R97,R122, R124,R154,R159,R160,R161, R164	0(1608)
95	11	RF1,RV2,RTST2,RF2,RB2, RS3,R19,R31,R88,R92,R98	0(1608_UNLOAD)
96	1	RN1	RN164PJ103(10k)
97	7	RN2,RN3,RN4,RN5,RN6,RN7, RN8	RN164PJ220(22ohm)
98	2	RP1,RP2	R(1608_F(1%)_UNLOAD)
99	48	RS1,R13,R14,R15,R32,R33, R41,R46,R47,R49,R56,R58, R63,R64,R67,R69,R81,R89, R90,R94,R95,R96,R99,R100, R101,R111,R112,R113,R114, R115,R116,R117,R118,R119, R120,R132,R135,R136,R138, R140,R145,R147,R149,R155, R156,R157,R158,R163	10k(1608)
100	5	RTST1,R83,R84,R102,R106	R(1608_UNLOAD)
101	3	RV1,R200,R201	10k(1608_UNLOAD)
102	1	R3	0(3216)

103	1	R10	22(3216)
104	1	R11	0(3216_UNLOAD)
105	1	R12	20k(1608)
106	9	R26,R27,R29,R30,R59,R60, R61,R62,R82	4.7k(1608)
107	2	R34,R35	47k(1608)
108	3	R36,R38,R130	820(1608)
109	5	R37,R39,R144,R153,R166	1k(1608)
110	1	R40	100k(1608_UNLOAD)
111	4	R42,R43,R45,R48	49.9(1608_1%)
112	3	R50,R128,R165	1M(1608)
113	1	R51	28.7k(1608_1%)
114	3	R52,R210,R211	75(1608)
115	2	R55,R57	200(1608)
116	7	R65,R66,R72,R74,R77,R142, R151	22k(1608)
117	2	R68,R70	1.5k(1608)
118	3	R71,R73,R76	300(1608)
119	3	R85,R121,R123	1M(1608_UNLOAD)
120	1	R91	13(5025_1%_5%)
121	1	R103	30.9k(1608_1%)
122	2	R104,R108	10k(1608_1%)
123	1	R105	7.5k(1608_1%)
124	1	R107	16.9k(1608_1%)
125	1	R109	5.6k(1608_1%)
126	1	R110	100(2012)
127	1	R129	220(1608)
128	1	R131	2.7k(1608)
129	2	R133,R134	330(1608)
130	1	R137	120(1608)
131	4	R139,R143,R148,R152	470(1608)
132	2	R141,R150	510(1608)
133	1	R146	120(1608_UNLOAD)
134	1	R162	12k(1608_1%)
135	4	R202,R203,R204,R205	12(1608)
136	1	R212	63.4k(1608_F)
137	1	R213	1M(3216)
138	1	SD1	SRV05-4(SOT-23-6_Protek)
139	1	SD2	PSOT12C
140	2	SD3,SD4	1.5SMCJ14C
141	2	SD5,SD6	TVS_(USBLC6-4SC6_SOT23-6L)
142	2	SD7,SD9	TVS(SMBJ60A)
143	2	SD8,SD10	SIDACtor(P0640SC)
144	1	SW1	TACT_SW(SMD_ST-1187_ITS-1165)
145	1	T1	F1682S
146	1	T2	H1606CG
147	1	UM1	STM32F407IGT6(LQFP-176)
148	2	U1,U2	XC6203E282PR(SOT-89)
149	3	U3,U4,U6	74LVC4245APW(TSSOP)
150	1	U5	74HC244(TSSOP)
151	1	U7	W5200
152	1	U8	BA12003BF
153	2	U9,U10	PC357
154	1	U11	SSD1963(LQFP-128)
155	1	U12	SN74LVC1G06DBV(SOT23)
156	1	U13	TPS61042(QFN)
157	1	U14	STMPE811(QFN16)

158	1	U15	IS62WV25616DBLL-45TLI(4M_8M (Option_IS62WV51216BLL-55TLI)_TSOP2-44)
159	1	U16	MT29F4G08 (TSOP-48_4Gbit_8Bit_(K9F4G08U0E-SCB0))
160	1	U17	IS61WV102416BLL-10TLI(16M_TSOP1-48)
161	2	U18,U19	MP1593DN(SOIC-8)
162	1	U20	IL1117-2.5(SOT-223)
163	1	U21	IL1117-1.2(SOT-223)
164	1	U22	TPS3600D33(TSSOP)
165	1	U23	MF RC531(SOP)
166	1	U24	74LVC14APW(TSSOP)
167	1	U25	MAX3232(SOIC)
168	1	U26	74LVC08APW(TSSOP)
169	2	U27,U28	ST1480A(SO-8_ST1480ABDR_STMicroelectronics)
170	1	U29	CS42L52(QFN40)
171	1	U31	USB3300(QFN-32)
172	1	U50	SP2526A-1(PowerSW_8pinNSOIC)
173	2	Y1,Y3	CRYSTAL(SX-8_5032(JYD5)_25MHz)
174	1	Y2	CRYSTAL(SX-8_5032(JYD5)_10MHz)
175	1	Y4	32.768KHz(SMD_CM200S-32.768_CL=12.5pF)
176	1	Y5	CRYSTAL(SX-8_5032(JYD5)_13.56MHz)
177	1	Y6	CRYSTAL(SX-8_5032(JYD5)_24MHz_JINGYUAN)
178	4	Z1,Z2,Z3,Z4	Varistor(2012_V18MLA0805H_VN20-180J-571JF)
179	1	Z5	PSM712-LF-T7(PROTEK DEVICES)
180	1	Z6	PSM712-LF-T7(PROTEK DEVICES_UNLOAD)