

Data:

April 14, 2010

Document reference:	PCB reference:
	<b>STEVAL-MKI062V2 (iNEMO V2)</b>
Company:	
<b>STMicroelectronics</b>	

Item	Quantity	Reference	Part / Value	Voltage / Watt / Ampere	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number	Supplier	Supplier's ordering code
<b>iNEMO V2 Board</b>									
1	1	CN1	USB_miniB			Molex	54819-0572	RS	RS: 515-1995
2	1	CN2	microSD			Hirose Electric	DM3AT-SF-PEJ	Digikey	Digikey: HR1939CT-ND
3	15	C1,C19,C22,C24,C25,C26,C29,C34,C35,C41,C44,C46,C47,C52,C57	100nF		SMD 0603	ANY		ANY	
4	7	C13,C50,C55,C58,C62,C63,C66	10nF		SMD 0603	ANY		ANY	
5	2	C16,C17	12pF		SMD 0603	ANY		ANY	
6	2	C20,C27	1uF 6.3V	6.3V Tantal	SMD 0603	AVX	TACL105M006R	RS	RS: 405-7779
7	1	C21	4.7nF	100V	SMD 0805	ANY		ANY	
8	5	C23,C40,C45,C51,C56	10uF 6.3V	6.3V Tantal	SMD 0805	AVX	TAJR106K006R	RS	RS: 405-9517
9	2	C42,C65	1uF		SMD 0603	ANY		ANY	
10	1	C43	2.2uF 6.3V 2.2uF 10V (opt)	6.3V Tantal 10V Tantal (opt)	SMD 0805	AVX	TAJR225K006R TAJR225K010R (opt)	RS Farnell RS	RS: 533-1804 Farnell: 197002 RS: 405-9545 (opt)
11	2	C48,C49	2.2 uF		SMD 0805	ANY		ANY	
12	2	C53,C59	470nF		SMD 0603	ANY		ANY	
13	1	C64	33nF		SMD 0603	ANY		ANY	
14	1	D2	SMTY5.0A		SMA	ST	SMTY5.0A	ST	SMTY5.0A
15	1	D3	RED		SMD 0805	Kingbright	KP2012SURC	RS Farnell	RS: 466-3829 Farnell: 8529930
16	1	D4	GREEN		SMD 0805	Kingbright	KP2012MGC	RS Farnell	RS: 466-3778 Farnell: 8529906
17	1	JP1	JUMPER		THR (spacing 2.54)	ANY		ANY	
18	1	J1	Battery Connector		THR (spacing 2.54)	MOLEX	22-05-7025	Digikey	Digikey: WM18900-ND

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19	1	J4	RS232 (Strip line male 6 pin 2x3)		THR (spacing 2.54)	ANY		ANY	
20	1	J7	SWD/JTAG (Male connector 10 pin 2x5)		THR (spacing 1.27)	SAMTEC	FTSH-105-01-F-D-K	ANY	
21	1	J8	Communication Connector (Strip line female 10 pin 2x5)		THR (spacing 2.54)	ANY		ANY	
22	1	L2	SMD Ferrite 30 Ohm 3A		SMD 0805	Würth Electronics	74279206	RS	RS: 358-6765
23	3	R/C1, R/C2, R/C3 (A SMD Resistor or a SMD Capacitor)	0R 1%	<b>ASSEMBLY</b>	SMD 0603	ANY		ANY	
			4.7uF	<b>NOT ASSEMBLY</b>					
24	2	RST,SW2	SW PUSHBUTTON- DPST		SMD	C&K	Y78B22110FP	RS	RS: 505-9186
25	11	R6,R21,R22,R33,R34,R35,R36,R44,R69,R74,R79	10k 1%		SMD 0603	ANY		ANY	
26	1	R23	1M 1%		SMD 0603	ANY		ANY	
26.bis	3	R76,R81,R85	1M 1%	<b>NOT ASSEMBLY</b>	SMD 0603	ANY		ANY	
27	4	R25,R26,R27,R28	4.7k 1%		SMD 0603	ANY		ANY	
28	4	R29,R30,R31,R32	100 1%		SMD 0603	ANY		ANY	
29	2	R86,R87	0R 1%		SMD 0603	ANY		ANY	
29.bis	4	R82, R84, R88, R89,	0R 1%	<b>NOT ASSEMBLY</b>	SMD 0603	ANY		ANY	
29.ter	2	R77,R78	0R 1%	<b>DEFAULT POSITION 1</b>	SMD 0603	ANY		ANY	
29.quater	1	R70	0R 1%	<b>DEFAULT POSITION 3</b>	SMD 0603	ANY		ANY	
30	2	R72,R73	56 1%		SMD 0603	ANY		ANY	
31	3	R75,R80,R83	27k 1%		SMD 0603	ANY		ANY	

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32	1	S4	SWITCH 1X2		THR (spacing 2.54)	EAO	09.03201.02	RS Farnell Distrelec	RS: 115-6283 Farnell: 1608080 Distrelec: 210007
33	6	TG, TP, TR, TY, T2, T4	Test Points	<b>NOT ASSEMBLY</b>	THR	Keystone Electronics	5001 (5000)	Digikey	5001K-ND (5000K-ND)
34	1	U2	STLM75DS2F		MSOP8 (TSSOP8)	ST	STLM75DS2F	<b>ST</b>	STLM75DS2F
35	1	U5	USBUF02W6		SOTT323-6L	ST	USBUF02W6	<b>ST</b>	USBUF02W6
36	1	U6	STM32F103RET7		LQFP-64	ST	STM32F103RET7	<b>ST</b>	STM32F103RET7
37	1	U9	LPS001DL		LGA-16	ST	LPS001DL	<b>ST</b>	LPS001DL
38	1	U10	LDS3985M33R		SOT23-5L	ST	LDS3985M33R	<b>ST</b>	LDS3985M33R
39	1	U11	LSM303DLH		LGA 28L	ST	LSM303DLH	<b>ST</b>	LSM303DLH
40	1	U12	LY330ALH		LGA 10	ST	LY330ALH	<b>ST</b>	LY330ALH
41	1	U13	LPR430AL		LGA 28L	ST	LPR430AL	<b>ST</b>	LPR430AL
42	1	U14	EMIF06-MSD02N16		Micro QFN	ST	EMIF06-MSD02N16	<b>ST</b>	EMIF06-MSD02N16
43	1	U15	LD3985M18R		SOT23-5L	ST	LD3985M18R	<b>ST</b>	LD3985M18R
44	1	Y1	Crystal Oscillator 32.768Khz			Citizen	CM130-32.768KDZF-UT	Digikey	DigiKey: 300-8633-1-ND
45	1	Y3	Crystal Oscillator 8MHz			Murata	CSTCE8M00G55-R0	RS Digikey Farnell	RS: 283-961 Digikey: 490-1195-1-ND Farnell: 1615352

### JTAG/SWD ADAPTER Board

46	1	J9	JTAG (Male connector 20 pin 2x10)		THR (spacing 2.54)	Tyco Electronics	2-1634688-0	RS Farnell	473-8282 8395942
47	1	J10	JUMPER		THR (spacing 2.54)	ANY		ANY	
48	1	J11	JUMPER		THR (spacing 2.54)	ANY		ANY	
49	1	J12	SWD/JTAG (Male connector 10 pin 2x5)		THR (spacing 1.27)	SAMTEC	FTSH-105-01-F-D-K	ANY	

### Additional Parts

50	1		JTAG/SWD Flat Cable			SAMTEC	FFSD-05-D-08.00-01-N	ANY	
51	3		Close Jumper			RS	W8030T50RC	RS	251-8575