

## JSI PROGUE (REV-B)\_PCB-A\_BOM (2023-08-14)

Value	RefDes	Qty	Name	Manufacturer
220	R166	1	RES	MFR-25F52-220R
1k5	R165	1	RES	MFR-25F52-1K5
4k7	R164	1	RES	MFR-25F52-4K7
100k	R216	1	RES	MFR-25F52-100K
1u	C94	1	CAP200	FG28X5R1H105KRT00
LED3MM	D16, D22	2	LED	WP710A10SYD
TMR 3-1223E	U29	1	TMR 3-1223E	TMR 3-1223E
AS3046	U3	1	AS3046	alfarzpp.lv
NOISE1B	U16	1	NOISE1B	electricdruid.net
B10k	RV1, RV2, RV3, RV4, RV6, RV10, RV13, RV15, RV16, RV17, RV20, RV22	12	ALPHA 9MM	
A10k	RV14, RV21	2	ALPHA 9MM	
C50k	RV8	1	ALPHA 9MM	
B100k	RV7, RV24	2	ALPHA 9MM	
A1M	RV9, RV11, RV12, RV18, RV19	5	ALPHA 9MM	
C1M	RV5, RV23	2	ALPHA 9MM	

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Value	RefDes	Qty	Name	Manufacturer
SWD	J16	1	HDRF-1x6	to STM32 Programmer
DIP_SWITCH	J13	1	HDRF-2x8	DS03-254-08BE
IDC2X17M	J6 (2x)	2	IDC2X17M	TST-117-01-L-D
MIDI	J7, J10	2	57PC5F	57PC5F
JACKS (6,3mm)	J3, J5, J8, J9, J11, J12	6	NRJ6HF	NRJ6HF
JACK NUTS	J3, J5, J8, J9, J11, J12	6	NRJ-NUT-B	NRJ-NUT-B
9-18VDC_IN	J4	1	722RA	722RA
MHS233K	S1-S10	10	MHS233K	JSISYNTH.COM
PWR	S11	1	PB400	PB400EEQR1BLK
FDH333	CR1, CR2	2	FDH333	(*1)
HDR-1x3	J1	1	PBEND-B10K	(*2)
HDR-1x2	J2	1	S-TRIG	(*3)
MCU-Boot0	J14	1	HDRF-1x2	(*4)
DEBUG TX	J15	1	HDRF-1x2	(*5)
DC (optional)	J17A, J17B	2	HDRF-2x2	(*6)
DC (optional)	J18	2	HDRF-1x2	(*7)
Fuse	F1	1	Fuse 800mA	MRT800-bulk-short
Fuse holder	F1 (optional)	1	Fuse Holder	56200001009
<b>MISCELLANEOUS:</b>				
Enclosure	Hammond Enclosure	1	1441-16BK3	1441-16BK3
Screws	M4 8MM screw	4		eBay, etc.
Ribbon Cable	Ribbon Cable FM-FM 150mm 34pin (17+17)	1	Ribbon Cable	HCS-D-17-D-08.00-01-N
IC socket	IC socket 8-pin DIP	1		ebay, etc.
Knobs	Knobs	24	45KN018-GRX	45KN018-GRX
ST-LINK V2	ST-LINK V2 (programmer with 6 FM-FM jumpers)	1	ST-LINK/V2	ST-LINK/V2
Power Adapter	12VDC (0,35A) Power Adapter (2,1mm)	1		eBay, etc.

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<b>FOR PREPARING THE HAMMOND ENCLOSURE:</b>				
M4 Thread Steel Tap Threading Tool				eBay, etc.
Hand Drill				eBay, etc.
Various Size Metal Drill Bits				eBay, etc.
Automatic Center Punch tool				eBay, etc.
<b>REMARKS:</b>				
(*1) - Diode s for analog pitch wheel, not needed!				
(*2) - Connector for the analog pitch bend (B10k), not needed!				
(*3) - Connector for optional S-trig, not needed! (Short pads to trigger the envelopes)				
(*4) - Do NOT populate!				
(*5) - Do NOT populate!				
(*6) - Do NOT populate! (Can be used to cut the DC from the Ribbon cable)				
(*7) - Do NOT populate! (Can be used to short DC jack sleeve to GND)				
<b>UPDATE LOG:</b>				
Original BOM created: 2021-01-04, PCB-A REV-B BOM 2023-08-14				