BANDMASTER

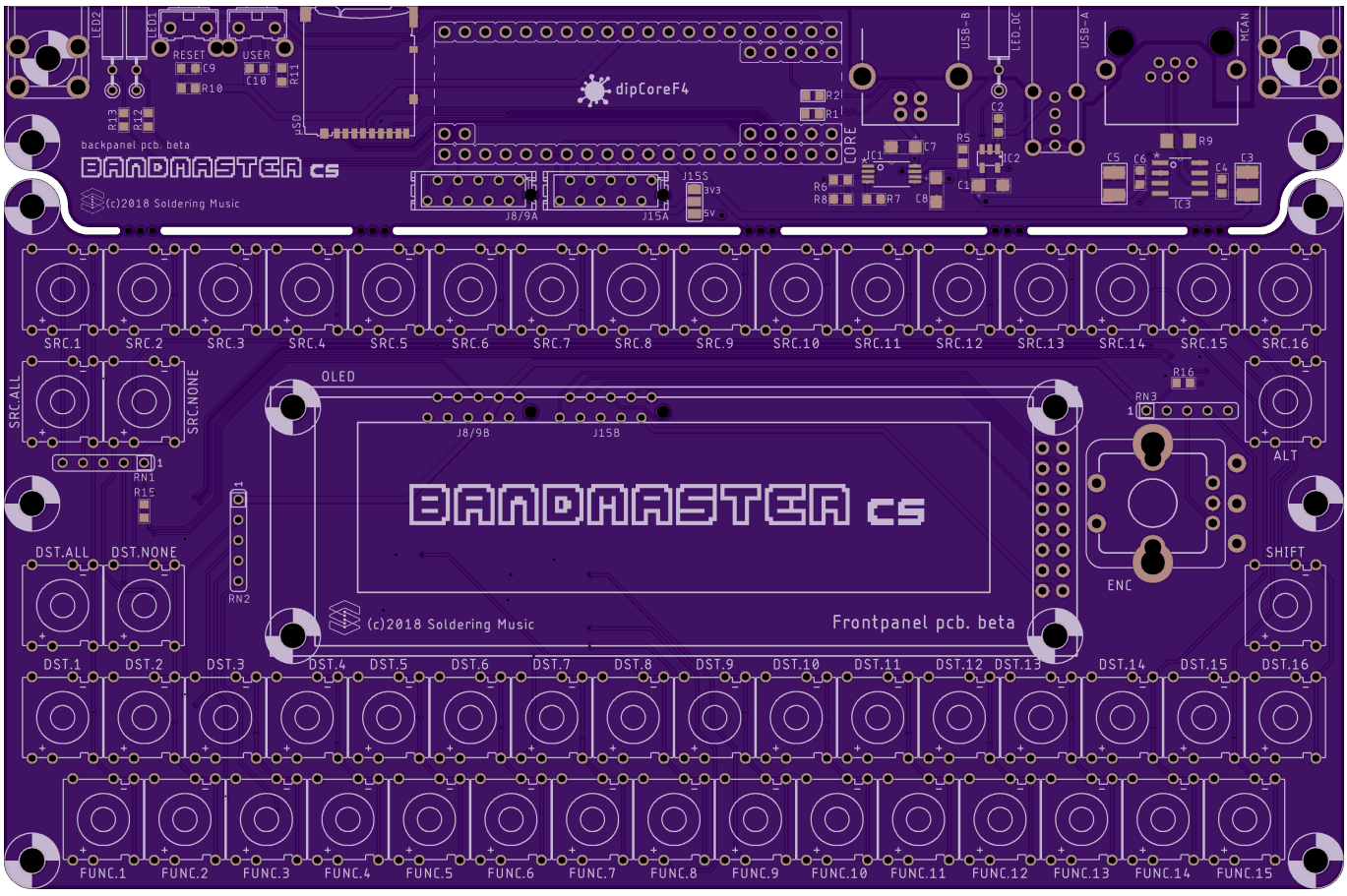
MIDI Routing System and Control Surface.

Scalable MIDI Routing application using the MCAN and the M16 Interface...

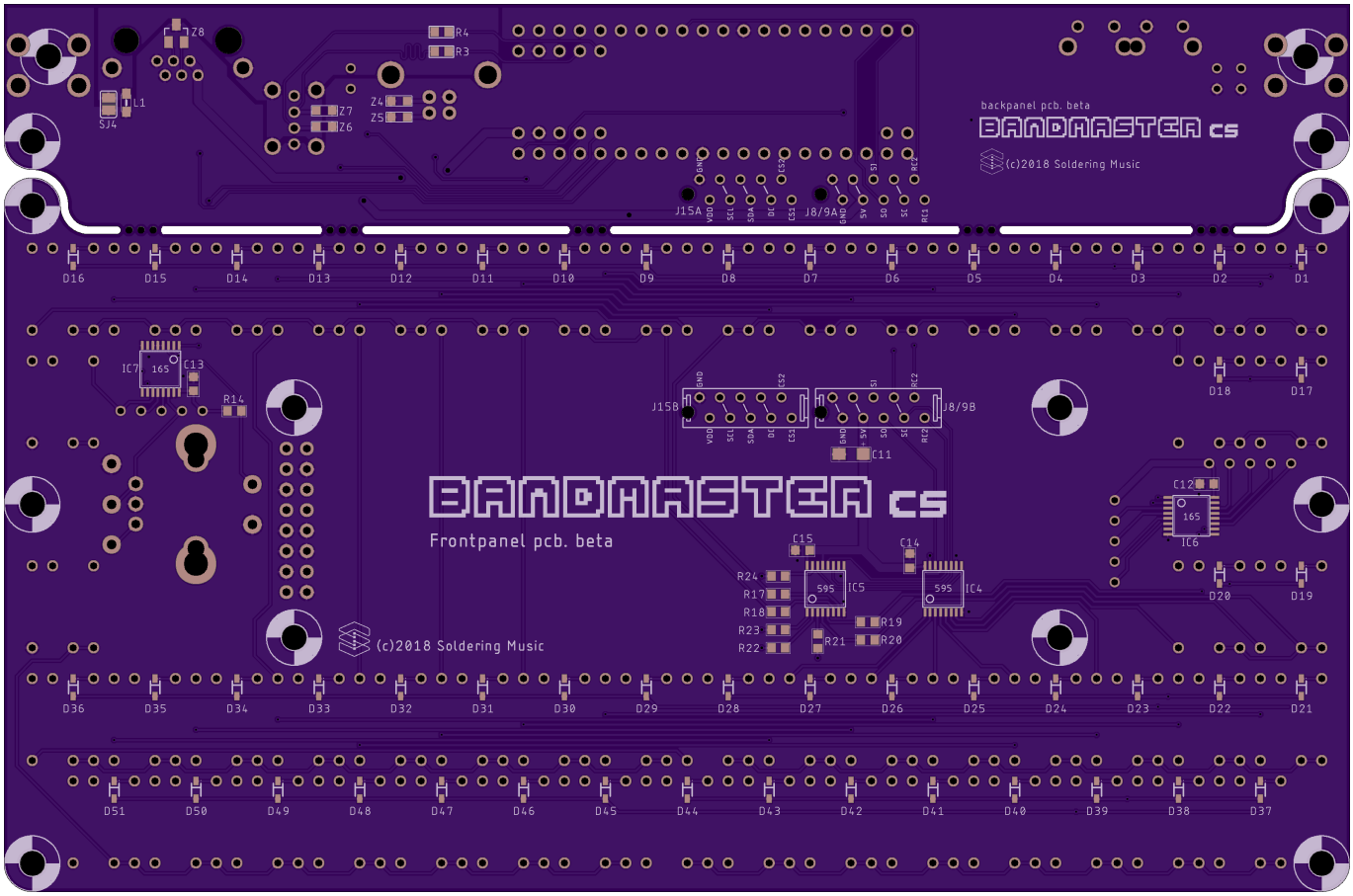
Bandmaster CS

The Remote Control.

Top



Bottom



BOM

version 1. Mouser BOM:toDo

Qty	Value	Package	Parts	Mouser	Reichelt	Conrad	Other	Notes
Resistors								
4	22R 5%	0603	R1, R2, R3, R4					
1	680R 5%	0603	R5					Depends on Led
PTC fuses, resettable thermistors								
1	1206L150THWR	1206	F1	576-1206L150THWR				
Capacitors								
1	100n	0603	C2					
1	4,7u	SMC_A	C1					
ESD Suppressors / TVS Diodes								
7	CG0603MLC-05E	0603	Z1, Z2, Z3, Z4, Z5, Z6, Z7	652-CG0603MLC-05E				
Ferrite Bead								
1	BLM21	0805	L1	81-BLM21P331SG				
LEDs								
1	–	0805 or THT	LED_OC					2x5mm rectangular THT

Qty	Value	Package	Parts	Mouser	Reichelt	Conrad	Other	Notes
Resistors								
Transistor								
1	FDN304P	SSOT-3	Q1	512-FDN304P				P-Channel MOSFET
IC								
1	STMPS2161STR	SOT23-5L	IC1	511-STMPS2161STR				Power Switch IC
Connectors								
1	mini-USB	THT	MINI-USB	571-1734510-1				
1	USB-B	THT	USB-B	538-67068-8000				
1	USB-A	THT	MINI-A	538-48204-0001				
1	micro-match 2×4	Female	J2A	571-7-215079-8 or 571-2178710-8 (value line)				
1	micro-match 2×6	Female	J1A	571-8-215079-2 or 571-1-2178710-2 (value line)				
Others								
2	Screw terminal	–	–	534-7790				

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toDo

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