

2- FAN53730 EVM BOM:

Component	Description	Part Number	Manufacturer	Value	Rating	Size (LxWxH)	Note
CIN1/CIN2	Local input capacitor	GRM155R61A475MEAA#	Murata	4.7uF	10V	1mm x 0.5mmx0.5mm (0402)	Or an equivalent, the 10uF 0402 should work also. Populate both of these.
CB1/CB2	Remote input capacitor	GRM31CR61A476KE15#	Murata	47uF	10V	3.2mm x 1.6mm x 1.6mm (1206)	Or equivalent. Populate both of these.
COUT1/COUT2	Output capacitor	GRM158R60J226ME01#	Murata	22uF	6.3V	1mm x 0.5mm x 0.8mm (0402)	Only populate COUT1 and COUT2, leave COUT3 empty
L	Power inductor	MCHK2012TR24MKG OR LSCNE2012HKTR24MD	Taiyo Yuden	0.24uH	4.8A DC, 7A Isat	2mm x 1.25mm x 0.8mm (0805)	
L2	Alternate power inductor for inductor loop	Various	Various	0.24uH	Various	2mm x 1.25mm x 0.8mm (0805)	Not populated
COUT3	Output capacitor	GRM158R61A226ME15#	Murata	22uF	10V	1mm x 0.5mm x 0.8mm (0402)	Not populated
POD	14 pin plug for I2C pod	MHC14K-ND	?	14 pin, 100mil			Standard header for POD
RPU	PGOOD and I2C pull-ups	CRCW06032k20JNEA	Vishay	2.2k Ω	1/10W	1.6mm x 0.8mm x 0.5mm (0603)	Or equivalent
RSW	Filter Resistor for SW node	RC0603JR-071KL	YAGEO	1 k Ω	1/10 W	1.6mm x 0.8mm x 0.5mm (0603)	Or equivalent
CVCC	Bypass for external VCC input	GRM155R61A475MEAA#	Murata	4.7uF	10V	1mm x 0.5mmx0.5mm (0402)	Or equivalent
CPG	Bypass capacitor for PG output	Various	Various	1nF	10V	1005/1608 (hybrid)	Not populated
VBATT, VOUT, GND, GND	Banana jack plugs	575-4	Keystone			7.92mm (out)/4.19mm (in)	Fits standard banana plugs
GND, GND	Ground straps	Various	Various	18 AWG, solid bare wire		18 AWG	Holes are 40mil standard header size. Intended to be used as GND clip connections.
CBULK	Bulk input capacitance	Various	Various	470uF	25V, electrolytic	10mm x 12.5mm (can)	Not populated
Headers	Various			100mil			Populate all two pin or greater headers
RSCL, RSDA	Pull-up resistors for SCL & SDA	CRCW06032k20JNEA	Vishay	2.2k Ω	1/10W	1.6mm x 0.8mm x 0.5mm (0603)	Not populated