



Bill of Materials for the FAN65008B-GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	Capacitor	47pF	50V	603	AVX	06035C470KAT2A	YES	YES
C2	1	Capacitor	1uF	50V	603	Yageo	UMK107AB7105KA-T	YES	YES
C3	1	Capacitor	1uF	100V	805	Murata	GRJ21BC72A105KE11L	YES	YES
C4	1	Capacitor	47nF	10V	603	Wurth	8.85012E+11	YES	YES
C5,C10	2	Capacitor	0.47uF	100V	805	Murata	GRM21BR72A474KA73L	YES	YES
C6	1	Capacitor	47nF	50V	603	Murata	GRM155R71H473KE14D	YES	YES
C7	1	Capacitor	100pF	50V	603	Yageo	CO0201JRNPO9BN101	YES	YES
C8	1	Capacitor	4.7nF	50V	603	Kemet	C0603C472K5RACTU	YES	YES
C9	1	Capacitor	0.1uF	100V	603	Yageo	CC0603KRX7R0BB104	YES	YES
C11	1	Capacitor				DNP		YES	YES
C12,C13	2	Capacitor	10uF	100V	2220		22201C106MAT2A	YES	YES
C14, C15, C29, C31	4	Capacitor				DNP		YES	YES
C16	1	Capacitor	0.47uF	100V	805	Murata	GRM21BR72A474KA73L	YES	YES
C17	1	Capacitor	10nF	100V	603	TDK	C1608X7R2A103K080AA	YES	YES
C18,C19,C20,C21,C22,C23,C24,C25,C26,C27,C28,C33,C34,C35	14	Capacitor	10uF	50V	1210	Taiyo Yuden	UMK325AB7106KM-T	YES	YES
JP1	1	-	VIN_EN		0.1"(LS) x 2x0.04"Hole	TE Connectivity	87224-2	-	YES
JP2	1	-	CCM/S		0.1"(LS) x 2x0.04"Hole	TE Connectivity	87224-2	-	YES
JP3	1	-	CCM/M		0.1"(LS) x 2x0.04"Hole	TE Connectivity	87224-2	-	YES
JP4	1	-	17V		0.1"(LS) x 2x0.04"Hole	TE Connectivity	87224-2	-	YES
JP5	1	-	28V		0.1"(LS) x 2x0.04"Hole	TE Connectivity	87224-2	-	YES
JP6	1	-	30.5V		0.1"(LS) x 2x0.04"Hole	TE Connectivity	87224-2	-	YES
JP7	1	-	DCM/S		0.1"(LS) x 2x0.04"Hole	TE Connectivity	87224-2	-	YES
JP8	1	-	DCM/M		0.1"(LS) x 2x0.04"Hole	TE Connectivity	87224-2	-	YES
J1	1	-	VIN		0.043"pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0	-	YES
J2	1	-	VIN_GND		0.043"pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0	-	YES
J3	1	-	EXTB		0.043"pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0	-	YES
J4	1	-	EXTB_GND		0.043"pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0	-	YES
J5	1	-	PVCC		0.043"pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0	-	YES
J6	1	-	PVCC_GND		0.043"pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0	-	YES
J7	1	-	VCC		0.043"pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0	-	YES

J8	1	-	VCC_GND		0.043"pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0	-	YES
J9	1	-	EN		0.043"pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0	-	YES
J10	1	-	EN_GND		0.043"pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0	-	YES
J11	1	-	SYN		0.043"pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0	-	YES
J12	1	-	SYN_GND		0.043"pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0	-	YES
J13	1	-	PG		0.043"pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0	-	YES
J14	1	-	PG_GND		0.043"pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0	-	YES
J15	1	-	MODE		0.043"pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0	-	YES
J16	1	-	MODE_GND		0.043"pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0	-	YES
J17	1	-	VO		0.043"pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0	-	YES
J18	1	-	VO_GND		0.043"pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0	-	YES
J19	1	-	Loop-		0.043"pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0	-	YES
J20	1	-	Loop+		0.043"pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0	-	YES
J20	1	-	Loop+		0.043"pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0	-	YES
J21	1	-	VIN+		DIA_5P8mm	Keystone	575-4	-	YES
J22	1	-	VO+		DIA_5P8mm	Keystone	575-4	-	YES
J23	1	-	VIN-		DIA_5P8mm	Keystone	575-4	-	YES
J24	1	Inductor	VO-		DIA_5P8mm	Keystone	575-4	-	YES
L1	1	Resistor	15uH		0.73x0.73"	Wurth	74439370150	YES	YES
R1	1	Resistor	825k		603	Yageo	RC0603FR-07825KL	YES	YES
R2	1	Resistor	51.1k		603	Panasonic	ERA-3AE5112V	YES	YES
R3	1	Resistor	37.4k		603	Yageo	RC0603FR-0737K4L	YES	YES
R4, R8, R24	3	Resistor	DNP		603	DNP		YES	YES
R5, R7	2	Resistor	1		603	Yageo	RC0603FR-071RL	YES	YES
R6, R16, R23	3	Resistor	100k		603	Susumu	RR0816P-104-D	YES	YES
R9, R15, R22	3	Resistor	1k		603	Yageo	RC0603FR-071KL	YES	YES
R10	1	Resistor	820		603	Panasonic	ERA-3APB821V	YES	YES
R11	1	Resistor	165k		603	TE	RN73C1J165K8TD	YES	YES
R12	1	Resistor	28k		603	TE	RQ73C1J28K8TD	YES	YES
R13, R21	2	Resistor	0		603	Yageo	RC0603JR-070RL	YES	YES
R14	1	Resistor	365		603	Yageo	RC0603FR-07365RL	YES	YES
R17	1	Resistor	3k		603	Panasonic	ERA-3ARW302V	YES	YES
R18	1	Resistor	2.4k		603	Panasonic	ERA-3APB242V	YES	YES
R19	1	Resistor	730		603	TE	RQ73C1J732R8TD	YES	YES
R20	1	Resistor	453		603	TE	RQ73C1J453R8TD	YES	YES
R25	1	Resistor	10		603	Yageo	RC0603FR-0710RL	YES	YES
U1	1	-	FAN65008B	65V	MLP6x6	ON Semi	FAN65	No	YES