



Bill of Materials for the FAN65005A-GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	Capacitor	47pF	50V	603	AVX	06035C470JAT2A	YES	YES
C2	1	Capacitor	1uF	10V	603	Murata	GRM188R71A105KA61D	YES	YES
C3	1	Capacitor	4.7uF	10V	612	Murata	GRM31CR71A475KA01L	YES	YES
C4	1	Capacitor	22nF	50V	603	Murata	GRM188R71H223KA01D	YES	YES
C5,C10,C16	3	Capacitor	0.47uF	100V	805	Murata	GRM21BR72A474KA73L	YES	YES
C6,C9	2	Capacitor	100nF	25V	603	Murata	GRM188R71E104KA01D	YES	YES
C7	1	Capacitor	1.8nF	25V	603	Murata	GRM188R71H182KA01D	YES	YES
C8	1	Capacitor	6.8nF	25V	603	Murata	GRM188R71E682KA01D	YES	YES
C11	1	Capacitor	Open	100-200V	805			YES	YES
C12,C13,C14,C15	4	Capacitor	10uF	100V	2220	AVX	22201C106MAT2A	YES	YES
C17	1	Capacitor	10nF	100V	603	Taiyo Yuden	C1608X7R2A103K080AA	YES	YES
C18,C19,C20,C21,C22,C23,C24,C25,C26,C27	10	Capacitor	100uF	10V	1210	TDK	LMK325ABJ107MM-P	YES	YES
C28	1	Capacitor	Open	10V				YES	YES
JP1	3	-	VIN_EN		HEADER .100 SINGL STR 2PO	Amphenol	77311-818-02LF	YES	YES
JP2	1	-	CCM/S		HEADER .100 SINGL STR 2PO	Amphenol	77311-818-02LF	YES	YES
JP3	1	-	CCM/M		HEADER .100 SINGL STR 2PO	Amphenol	77311-818-02LF	YES	YES
JP4	1	-	V2		HEADER .100 SINGL STR 2PO	Amphenol	77311-818-02LF	YES	YES
JP5,JP6	2	-	Open					YES	YES
JP7	1	-	DCM/S		HEADER .100 SINGL STR 2PO	Amphenol	77311-818-02LF	YES	YES
JP8	1	-	DCM/M		HEADER .100 SINGL STR 2PO	Amphenol	77311-818-02LF	YES	YES
J1	1	-	VIN		SMALL RED TERM	Kobiconn	151-207A-RC	YES	YES
J2	1	-	VIN_GND		SMALL BLK TERM	Kobiconn	151-203-RC	YES	YES
J3	1	-	Open					YES	YES
J4	1	-	Open					YES	YES
J5	1	-	Open					YES	YES
J6	1	-	PVCC_GND		0.043"pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0	YES	YES
J7	1	-	Open					YES	YES
J8	1	-	Open					YES	YES
J9	1	-	EN		0.043"pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0	YES	YES
J10	1	-	Open					YES	YES

J11	1	-	Open						YES	YES
J12	1	-	SYN_GND		0.043"pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0		YES	YES
J13	1	-	Open						YES	YES
J14	1	-	Open						YES	YES
J15	1	-	Open						YES	YES
J16	1	-	Open						YES	YES
J17	1	-	VO		SMALL RED TERM	Kobiconn	151-207A-RC		YES	YES
J18	1	-	VO_GND		SMALL BLK TERM	Kobiconn	151-203-RC		YES	YES
J19	1	-	Loop-		0.043" pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0		YES	YES
J20	1	-	Loop+		0.043" pin	Mill-Max Manufacturing Corp.	3103-2-00-21-00-00-08-0		YES	YES
J21	1	-	VIN+		JACK	Keystone	575-4		YES	YES
J22	1	-	VO+		JACK	Keystone	575-4		YES	YES
J23	1	-	VIN-		JACK	Keystone	575-4		YES	YES
J24	1	-	VO-		JACK	Keystone	575-4		YES	YES
L1	1	Inductor	5.5uH		0.867"x0.748"	Würth	744325550		YES	YES
R1	1	Resistor	825k		603	Yageo	RC0603FR-07825KL		YES	YES
R2	1	Resistor	51.1k		603	Yageo	RC0603FR-0751K1L		YES	YES
R3,R8,R19,R20,R24	5	Resistor	Open		603				YES	YES
R4	1	Resistor	0		603	Yageo	RC0603JR-070RL		YES	YES
R5,R7,R21	3	Resistor	1		603	Yageo	RC0603FR-071RL		YES	YES
R6,R16,R23	3	Resistor	100k		603	Yageo	RC0603FR-07100KL		YES	YES
R9	1	Resistor	1.3k		603	Yageo	RC0603FR-071K3L		YES	YES
R10	1	Resistor	26.7		603	Yageo	RC0603FR-0726R7L		YES	YES
R11	1	Resistor	147k		603	Yageo	RC0603FR-07147KL		YES	YES
R12	1	Resistor	20k		603	Yageo	RC0603FR-0720KL		YES	YES
R13	1	Resistor	2		603	Yageo	AC0603FR-072RL		YES	YES
R14	1	Resistor	365		603	Yageo	RC0603FR-07365RL		YES	YES
R15,R22	2	Resistor	1k		603	Yageo	RC0603FR-071KL		YES	YES
R17	1	Resistor	4.42k		603	Yageo	RC0603FR-074K42L		YES	YES
R18	1	Resistor	6.98k		603	Yageo	RC0603FR-076K98L		YES	YES
R25	1	Resistor	10		603	Yageo	RC0603FR-0710RL		YES	YES
TP1	1	-	Open		0.8mm-Hole				YES	YES
TP2	1	-	Open		0.8mm-Hole				YES	YES
TP3	1	-	Open		0.8mm-Hole				YES	YES
TP4	1	-	Open		0.8mm-Hole				YES	YES
TP5	1	-	Open		0.8mm-Hole				YES	YES
TP6	1	-	Open		0.8mm-Hole				YES	YES
TP7	1	-	Open		0.8mm-Hole				YES	YES
TP8	1	-	Open		0.8mm-Hole				YES	YES
TP9	1	-	Open		0.8mm-Hole				YES	YES
TP10	1	-	Open		0.8mm-Hole				YES	YES
TP11	1	-	Open		0.8mm-Hole				YES	YES
TP12	1	-	Open		0.8mm-Hole				YES	YES
TP13	1	-	Open		0.8mm-Hole				YES	YES
TP14	1	-	Open		0.8mm-Hole				YES	YES
TP15	1	-	Open		0.8mm-Hole				YES	YES
TP16	1	-	SW		HEADER, 100 SINGL STR 1PO	Amphenol	77311-818-01LF		YES	YES
TP17	1	-	Open		0.8mm-Hole				YES	YES
U1	1	-	FAN65005A	65V	MLP6x6	Fairchild	FAN65005A		NO	