



Bill of Materials for the STK682-010GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free		
C1	1	For setting of chpping freq.	100pF	±5%	Through-hole	Various	Various	YES	YES		
C2	1	VM Bypass Capacitor	100µF/50V	±20%	Through-hole	SUN	50ME100CA	YES	YES		
C3	1	VCC Bypass Capacitor	10µF/50V	±20%	Through-hole	SUN	50ME10CA	YES	YES		
C4	1	For Vref	0.082µF	±5%	Through-hole	Various	Various	YES	YES		
C5	1	For 5V power supply	0.082µF	±5%	Through-hole	Various	Various	YES	YES		
R1	1	Resistor to Set Vref	470Ω	±1%	Through-hole	AKAHANE ELECTRONICS	RN14S471JK	YES	YES		
R2	1	Resistor to Set Vref	1.0 kΩVR	-	Through-hole		-	YES	YES		
R3 to R4	2	Pull-up Resistor	10kΩ	±5%	Through-hole	AKAHANE ELECTRONICS	RN14S****FK	YES	YES		
R5	1	Pull-up Resistor	10kΩ	±5%	Through-hole	AKAHANE ELECTRONICS	RN14S****FK	YES	YES		
R6	1	FDT terminal voltage setting	SLOW DECAY	No use(used JP04)	-	-	-	AKAHANE ELECTRONICS	RN14S****FK	YES	YES
			MIXFD DECAY	10kΩ	±1%	-	RN14S****FK				
			FAST DECAY	6.8Ω	±1%	-	RN14S****FK				
R7 to R10	4	Pull-up Resistor	10kΩ	±5%	Through-hole	AKAHANE ELECTRONICS	RN14S****JK	YES	YES		
RFA	1	Current Resistor	0.22Ω	±1%	Through-hole	PANASONIC	ERX2SJR22	YES	YES		
RFB	1		0.22Ω	±1%	Through-hole	PANASONIC	ERX2SJR22	YES	YES		
HIC	1	Hybrid IC, 19pin	-	-	-	ON Semiconductor	STK682-010-E	NO	YES		
JP1-6	3	Jumper	-	-	-	Mac-Eight	JR-4	YES	YES		
TP1 to TP11	11	Test Point	-	-	-	Mac-Eight	ST-1-3	YES	YES		

Note: R3 is used for Vref current setting. Therefore their value is not mentioned on this table.