ON Semiconductor

Bill of Materials for the AM306245R2MMGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C6, C7	2	Ceramic Multilayer X7R	100nF, 50V	±10%	0603	Kemet	C0603C104K5RAC	Yes	Yes
C3	1	Ceramic Multilayer X7R	1uF, 10V	±10%	0603	Murata	GRM188R71A105KA61D	Yes	Yes
C4, C5	2	Ceramic Multilayer X7R	220nF, 25V	±10%	0603	Murata	GRM188R71E224KA88D	Yes	Yes
C8	1	Electrolytic (low ESR)	47 uF, 35V	±10%	8 x 10,2 (see datasheet)	SUN Electronic Industries Corp.	35 CE 47 PC	Yes	Yes
R1	1	Thick Film	1kΩ, 0.063W	±5%	0402	Vishay	CRCW04021K00JNED	Yes	Yes
IC1	**1**	**Stepper Motor Module**	**-**	**-**	**NQFP32, 7x7**	**ON Semiconductor**	**AMIS30624C6245G**	**No**	**Yes**
CON1	1	Connector	-	-	7.40mm x 6.10mm	FCI	98424-G52-06LF	Yes	Yes
CON2	1	Connector	-	-	7.40mm x 6.10mm	FCI	98424-G52-04ALF	Yes	Yes