ON Semiconductor

Bill of Materials for the AM306238R1DBGEVB Daughterboard

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
IC1	**1**	**Stepper Motor Driver and Controller**	**-**	**-**	**SOIC**	**ON Semiconductor**	**AMIS30623C6238G**	**No**	**Yes**
C1, C2	2	Ceramic Multilayer X7R Capacitor	50V, 2.7nF	10%	0603	Kemet	C0603C272K5RAC	Yes	Yes
C3	1	Ceramic Multilayer X7R Capacitor	10V, 1uF	10%	0603	Yageo	CC0603KRX7R7BB105	Yes	Yes
C4, C5	2	Ceramic Multilayer X7R Capacitor	25V, 220nF	10%	0603	Kemet	C0603C224K3RAC	Yes	Yes
C6, C7	2	Ceramic Multilayer X7R Capacitor	50V, 100nF	10%	0603	Kemet	C0603C104K5RAC	Yes	Yes
C8	1	Aluminium Electrolytic Capacitor	50V, 100uF	20%	SMD	Nichicon	UUD1H101MNL1GS	Yes	Yes
R1, R2	2	Thick Film Resistor	0.063W, 1k	1%	0603	MultiComp	MC 0.063W 0603 1% 1K	Yes	Yes
R3	1	Varistor	18VDC	10%	0603	Epcos	B72500T140K60	Yes	Yes
P	1	Header, 1 Row	-	-	2.54mm x 81.28mm	Harwin	D01-9923246	Yes	Yes