

Bill of Materials for the NCV78723R1DAGEVB Evaluation Board



Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1,C8	2	Ceramic Capacitor SMD	470nF, 16V, X7R	10%	CAP0603	TDK	C1608X7R1C474K080AC	YES	YES
C2,C9	2	Ceramic Capacitor SMD	100nF, 100V, X7R	10%	CAP0805	AVX	08051C104KAZ2A	YES	YES
C12	1	Ceramic Capacitor SMD	100nF, 25V, X7R	10%	CAP0603	TDK	C1608X7R1E104K080AA	YES	YES
C5,C6	2	Ceramic Capacitor SMD	2.2µF, 100V, X7R	10%	CAP1210	KEMET	C1210C225K1RACTU	YES	YES
R1,R4	2	Resistor SMD	0R0, 0.5W	1%	R1210	VISHAY	CRCW12100000ZSTA	YES	YES
R2,R6	2	Resistor SMD	100k, 0.125W	1%	R0805	VISHAY	CRCW0805100KFKEA	YES	YES
R3,R7	2	Resistor SMD	2.0K, 0.1W	1%	R0603	VISHAY	CRCW06032K00FKEA	YES	YES
R8,R9	2	Resistor SMD	10k, 0.1W	5%	R0603	YAGEO	RC0603JR-0710KL	YES	YES
L1,L2	2	Inductor SMD	100µH, 3.4A, 130mΩ	20%	12.3mm x 12.3mm	COILCRAFT	MSS1210-104KED	YES	YES
J_BCKx_R	2	STRAIGHT HEADER TH	Dual Row 2x6 Pin		2x6 Pin, 2.54mm	WURTH	61301221121	YES	YES
J_BCKx_L	2	STRAIGHT HEADER TH	Dual Row 2x8 Pin		2x8 Pin, 2.54mm	WURTH	61301621121	YES	YES
D1,D2	2	Shottky Power Rectifier SMD	Shottky Diode 2A/100V		SMB	ON SEMICONDUCTOR	NBR2H100T3G	YES	YES
U2	1	EEPROM Serial-SPI	32K-Bit 4K X 8		TSSOP8	ON SEMICONDUCTOR	CAV25320YE-GT3	YES	YES
U3	1	NCV78723 LED Driver	2x1.6A Buck		QFNW24 5x5 0.65P	ON SEMICONDUCTOR	NCV78723MW2R2G	No	YES