

Bill of Materials for the NCV78925R2DAGEVB Evaluation Board



Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1,C2,C3,C3,C8	4	Ceramic Capacitor SMD	470nF, 16V, X7R	10%	CAP0603	Wurth Elektronik	X7R0603474K016DFCT10000; 885012206050	YES	YES
C4,C9	2	Ceramic Capacitor SMD	2.2µF, 100V, X7R	10%	CAP1210	Wurth Elektronik	X7R1210225K100DFCT10000; 885012209071	YES	YES
C4a,C9a	2	Ceramic Capacitor SMD	100nF, 100V, X7R	10%	CAP0603	Wurth Elektronik	X7R0603104K100DFCT10000; 885012206120	YES	YES
C5,C10	2	Ceramic Capacitor SMD	100nF, 100V, X7R	10%	CAP0805	Wurth Elektronik	X7R0805104K100DFCT10000; 885012207128	YES	YES
C13	1	Ceramic Capacitor SMD	100nF, 50V, X7R	10%	CAP0603	Wurth Elektronik	X7R0603104K050DFCT10000; 885012206095	YES	YES
R2,R3	2	Resistor SMD	0R0, 0.1W	1%	R0805	WELVYN	WCR0805-R005JI	YES	YES
R4,R7	2	Resistor SMD	0R0, 0.5W	1%	R1210	PANASONIC	ERJ14Y0R00U	YES	YES
R5,R8	2	Resistor SMD	100k, 0.125W	1%	R0805	BOURNS	CR0805-FX-1003ELF	YES	YES
R6,R9	2	Resistor SMD	2k, 0.1W	1%	R0603	PANASONIC	ERA3AEB202V	YES	YES
R10,R11	2	Resistor SMD	10k, 0.1W	5%	R0603	YAGEO	RC0603JR-0710KL	YES	YES
L1,L2	2	Power Inductor Shielded SMD	47µH, 2.26A, 123mΩ, AEC-Q200	20%	10x10x5mm	Wurth Elektronik	WE-PDA 7847714470	YES	YES
J_BCK1,J_BCK3	2	STRAIGHT HEADER TH	Dual Row 2x8 Pin		2x8 Pin, 2.54mm	WURTH	WE61301621121	YES	YES
J_BCK2,J_BCK4	2	STRAIGHT HEADER TH	Dual Row 2x6 Pin		2x6 Pin, 2.54mm	WURTH	WE61301221121	YES	YES
U1	1	NCV78925 LED Driver	2 channel Buck		TSSOP38 TEP	ON SEMICONDUCTOR	NCV78925PA1R2G	No	YES
U2	1	EEPROM Serial-SPI	32K-Bit 4K X 8		TSSOP8	ON SEMICONDUCTOR	CAV25320YE-GT3	YES	YES