

Bill of Materials for the NCV78935R2DAGEVB Evaluation Board



Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1,C4,C5,C6,C17	5	Ceramic Capacitor SMD	470nF, 16V, X7R	10%	CAP0603	Wurth Elektronik	X7R0603474K016DFCT10000; 885012206050	YES	YES
C2,C9,C18	3	Ceramic Capacitor SMD	100nF, 100V, X7R	10%	CAP0805	Wurth Elektronik	X7R0805104K100DFCT10000; 885012207128	YES	YES
C11	1	Ceramic Capacitor SMD	100nF, 50V, X7R	10%	CAP0603	Wurth Elektronik	X7R0603104K050DFCT10000; 885012206095	YES	YES
C13,C15,C16	3	Ceramic Capacitor SMD	2.2µF, 100V, X7R	10%	CAP1210	Wurth Elektronik	X7R1210225K100DFCT10000; 885012209071	YES	YES
C13a,C15a,C16a	3	Ceramic Capacitor SMD	100nF, 100V, X7R	10%	CAP0603	Wurth Elektronik	X7R0603104K100DFCT10000; 885012206120	YES	YES
R1,R10,R17	3	Resistor SMD	100k, 0.125W	1%	R0805	BOURNS	CR0805-FX-1003ELF	YES	YES
R2,R3,R15	3	Resistor SMD	0R0, 0.5W	1%	R1210	PANASONIC	ERJ14Y0R00U	YES	YES
R5,R7	2	Resistor SMD	0R0, 0.1W	1%	R0805	WELVYN	WCR0805-R005JI	YES	YES
R6,R12,R16	3	Resistor SMD	2k, 0.1W	1%	R0603	PANASONIC	ERA3AEB202V	YES	YES
R13,R14	2	Resistor SMD	10k, 0.1W	5%	R0603	YAGEO	RC0603JR-0710KL	YES	YES
L1,L2,L3	3	Power Inductor Shielded SMD	100µH, 1.5A, 174mΩ, AEC-Q200	20%	12x12x6mm	Wurth Elektronik	WE-PDA 784 771 101	YES	YES
J_BCK1,J_BCK3, J_BCK5	3	STRAIGHT HEADER TH	Dual Row 2x8 Pin		2x8 Pin, 2.54mm	WURTH	WE61301621121	YES	YES
J_BCK2,J_BCK4, J_BCK6	3	STRAIGHT HEADER TH	Dual Row 2x6 Pin		2x6 Pin, 2.54mm	WURTH	WE61301221121	YES	YES
U1	1	NCV78935 LED Driver	3 channel Buck		TSSOP38 TEP	ON SEMICONDUCTOR	NCV78935PA1R2G	No	YES
U2	1	EEPROM Serial-SPI	32K-Bit 4K X 8		TSSOP8	ON SEMICONDUCTOR	CAV25320YE-GT3	YES	YES