

**LM27403MODULEEVM**

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer	Alternate PartNumber	Alternate Manufacturer
!PCB	1		Printed Circuit Board		SV600821	Any		
C1	1	0.047uF	CAP, CERM, 0.047uF, 25V, +/-10%, X7R, 0402	0402	GRM155R71E473KA88D	MuRata	-	-
C2	1	47pF	CAP, CERM, 47pF, 50V, +/-5%, C0G/NP0, 0402	0402	GRM1555C1H470JZ01	MuRata	-	-
C3	1	3300pF	CAP, CERM, 3300pF, 100V, +/-10%, X7R, 0402	0402	GRM155R72A332KA01D	MuRata		
C4	1	470pF	CAP, CERM, 470pF, 50V, +/-5%, C0G/NP0, 0402	0402	GRM1555C1H471JA01D	MuRata		
C5	1	1uF	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	0603	GRM188R71E105KA12D	MuRata	-	-
C6	1	4.7uF	CAP, CERM, 4.7uF, 10V, +/-10%, X5R, 0603	0603	C0603C475K8PACTU	Kemet		
C7, C8, C10	3	0.1uF	CAP, CERM, 0.1uF, 16V, +/-10%, X7R, 0402	0402	GRM155R71C104KA88D	MuRata	-	-
C9	1	1uF	CAP, CERM, 1uF, 10V, +/-10%, X5R, 0402	0402	GRM155R61A105KE15D	MuRata		
C11	1	100pF	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0402	0402	GRM1555C1H101JA01D	MuRata	-	-
C12	1	22uF	CAP, CERM, 22uF, 25V, +/-10%, X7R, 1210	1210	GRM32ER71E226KE15L	MuRata		
C20, C21, C22	3	100uF	CAP, CERM, 100uF, 6.3V, +/-20%, X5R, 1206	1206	GRM31CR60J107ME39L	MuRata	-	-
C31	1	2200pF	CAP, CERM, 2200pF, 16V, +/-10%, X7R, 0402	0402	GRM155R71C222KA01D	MuRata		
D1	1	0.58V	Diode, Schottky, 40V, 0.2A, SOD-882	SOD-882	PMEG4002EL	NXP		
L1	1	300nH	Inductor, Wirewound, Ferrite, 300nH, 35A, 0.00029 ohm, SMD	11x7.2x7.2mm	FP1107R1-R30-R	Coiltronics		
Q1	1		TRANS NPN 40V 200MA SOT-923F	SOT-923F	MMBT3904SL	Fairchild Semiconductor	-	-
Q2	1		Synchronous Buck NexFET Power Block, DQY0008A	DQY0008A	CSD87350Q5D	Texas Instruments		None
R1	1	84.5k	RES, 84.5k ohm, 1%, 0.063W, 0402	0402	CRCW040284K5FKED	Vishay-Dale	-	-
R2	1	15.0k	RES, 15.0k ohm, 1%, 0.063W, 0402	0402	CRCW040215K0FKED	Vishay-Dale	-	-
R5, R11	2	10.0k	RES, 10.0k ohm, 1%, 0.063W, 0402	0402	CRCW040210K0FKED	Vishay-Dale	-	-
R6	1	200	RES, 200 ohm, 1%, 0.063W, 0402	0402	CRCW0402200RFKED	Vishay-Dale	-	-
R7	1	20.0k	RES, 20.0k ohm, 1%, 0.063W, 0402	0402	CRCW040220K0FKED	Vishay-Dale	-	-
R8	1	2.32k	RES, 2.32k ohm, 1%, 0.063W, 0402	0402	CRCW04022K32FKED	Vishay-Dale	-	-
R9	1	4.02k	RES, 4.02k ohm, 1%, 0.063W, 0402	0402	CRCW04024K02FKED	Vishay-Dale	-	-
R10	1	2.2	RES, 2.2 ohm, 5%, 0.063W, 0402	0402	CRCW04022R20JNED	Vishay-Dale	-	-
R16	1	10.0	RES, 10.0 ohm, 1%, 0.063W, 0402	0402	CRCW040210R0FKED	Vishay-Dale	-	-
R26	1	3.48k	RES, 3.48k ohm, 1%, 0.063W, 0402	0402	CRCW04023K48FKED	Vishay-Dale	-	-
U1	1		Synchronous Buck Controller with Temperature Compensated, RTW0024C	RTW0024C	LM27403SQ	Texas Instruments		None

Notes:

Unless otherwise noted in the Alternate PartNumber and/or Alternate Manufacturer columns, all parts may be substituted with equivalents.

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