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UCC28880 High-side Buck Converter

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer	Alternate PartNumber	Alternate Manufacturer
!PCB1	1		Printed Circuit Board		PMP9073	Any	-	-
C1	1	0.1uF	CAP, CERM, 0.1 µF, 50 V, +/- 20%, X7R, 1206	1206	C1206C104M5RACTU	Kemet		
C2	1	0.22uF	CAP, CERM, 0.22 µF, 16 V, +/- 10%, X7R, 0603	0603	C0603C224K4RACTU	Kemet		
C3, C4	2	0.68uF	CAP, CERM, 0.68 µF, 250 V, +/- 20%, X7T, 1812	1812	C4532X7T2E684M160KA	TDK		
C5	1	100uF	CAP, CERM, 100 µF, 10 V, +/- 20%, X5R, 1206_190	1206_190	C3216X5R1A107M160AC	TDK		
D1, D2, D3, D4	4	400V	Diode, Ultrafast, 400 V, 1 A, 1408 Diode	1408 Diode	CD1408-FU1400	Bourns		
L1	1	470uH	Inductor, Drum Core, Ferrite, 470 µH, 0.11 A, 14.3 ohm, SMD	3x2.5x2.8mm	SDR0302-471KL	Bourns		
L2	1	680uH	Inductor, Shielded, Ferrite, 680 µH, 0.32 A, 1.88 ohm, SMD	8x4.5x8mm	LPS8045B-684MRB	Coilcraft		
R1	1	43.2k	RES, 43.2 k, 1%, 0.1 W, 0603	0603	CRCW060343K2FKEA	Vishay-Dale		
R2	1	10.0k	RES, 10.0k ohm, 1%, 0.1W, 0603	0603	CRCW060310K0FKEA	Vishay-Dale		
R3	1	1.0k	RES, 1.0 k, 5%, 0.1 W, 0603	0603	CRCW06031K00JNEA	Vishay-Dale		
RF1	1	10	RES, 10, 5%, 3 W, Fusible, TH	TH, 2-Leads, Axial, Dia 5.5mm, Pin Spacing 23.8mm	AC03000001009JACCS	Vishay-Bccomponents		
TP1, TP2	2	Red	Test Point, Miniature, Red, TH	Red Miniature Testpoint	5000	Keystone		
TP3, TP4	2	Black	Test Point, TH, Miniature, Black	Keystone5001	5001	Keystone	Equivalent	Any
U1	1		Low Quiescent Current Switcher IC for AC/DC Power Supplies, D0007A	D0007A	UCC28880D	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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