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UCC28700 45W 4-ch Flyback

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer	Alternate PartNumber	Alternate Manufacturer
IPC81	1		Printed Circuit Board		PMP10415	Any		
C1, C2, C5, C6, C10, C11, C16, C17	8	270uF	CAP ALUM 270UF 35V 20% RADIAL	8.0x10.5mm	EKY-350ELL271MH20D	UCC		
C3, C7, C12, C18	4	22uF	CAP, CERM, 22 uF, 35 V, +/- 20%, X5R, 0805	0805	C2012X5R1V226M125A C	TDK		
C4, C8, C13, C19	4	0.1uF	CAP, CERM, 0.1 uF, 100 V, +/- 10%, X7R, 0603	0603	GRM188R72A104KA35 J	MuRata		
C9, C14	2	0.1uF	CAP, Film, 0.1 uF, 630 V, +/- 10%, TH	B32922_10.5mm	B32922C3104K	EPCOS Inc		
C15	1	2200pF	CAP, CERM, 2200 pF, 250 V, +/- 20%, E, Cap, 7x12x9 mm	Cap, 7x12x9 mm	DE1E3KX222MA4BL01	MuRata		
C20	1	22uF	CAP ALUM 22UF 35V 20% RADIAL	RCAP, 5x5mm	EEU-FC1V220	Panasonic		
C21	1	0.1uF	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603	06035C104KAT2A	AVX		
C22	1	10pF	CAP, CERM, 10 pF, 50 V, +/- 5%, COG/NP0, 0603	0603	06035A100JAT2A	AVX		
C101	1	560uF	CAP ALUM 560UF 35V 20% RADIAL	10x20	EEU-FR1V561B	Panasonic		
D1, D2, D5, D7	4	150V	DIODE SCHOTTKY 150V 4A POWERDI5	PowerDI5	PDS4150-13	Diodes Inc.		
D3, D4	2	120V	Diode, TVS, Uni, 120 V, 1500 W, SMC	SMC	SMCJ120A-TP	Micro Commercial Componen		
D6	1	1.7V	Diode, Ultrafast, 1000V, 1A, SMA	SMA	US1M-13-F	Diodes Inc.		
D8	1	200V	Diode, Switching, 200V, 0.2A, SOD-123	SOD-123	BAV21W-7-F	Diodes Inc.		
D9	1	30V	Diode, Schottky, 30V, 0.2A, SOD-323	SOD-323	BAT54HT1G	ON Semiconductor		
D101	1	30V	DIODE ZENER 30V 1.5W SMA	SMA	1SMA5936BT3G	ON Semiconductor		
HS1	1		Heat Sink, TO-220, TH	TO-220 Heat Sink	530614B00000G	Aavid		
J1, J2, J4	3	2x1	Conn Term Block, 2POS, 5.08mm, TH	PhoenixContact_1715 721	1715721	Phoenix Contact		
J3	1		HEADER, .312 VERT 3POS	19.7x10.7 x8.5 mm	1-1318301-3	TE Connectivity		
Q1	1	1200V	MOSFET N-CH 1200V 10A TO-247	TO-247	SCT2450KEC	Rohm		None
R1, R3, R5, R10	4	10.0k	RES, 10.0 k, 1%, 0.25 W, 1206	1206	CRCW120610K0FKEA	Vishay-Dale		
R7	1	0	RES, 0, 5%, 0.25 W, 1206	1206	CRCW12060000Z0EA	Vishay-Dale		
R8	1	20.0	RES, 20.0, 1%, 0.25 W, 1206	1206	CRCW120620R0FKEA	Vishay-Dale		
R9	1	100	RES, 100, 1%, 0.25 W, 1206	1206	CRCW1206100R0FKEA	Vishay-Dale		
R12, R13, R14	3	1.5Meg	RES, 1.5 M, 5%, 0.25 W, 1206	1206	CRCW12061M50JNEA	Vishay-Dale		
R15	1	150k	RES, 150 k, 1%, 0.1 W, 0603	0603	CRCW0603150K0FKEA	Vishay-Dale		
R16	1	10	RES, 10 ohm, 5%, 0.1W, 0603	0603	CRCW060310R0JNEA	Vishay-Dale		
R17	1	100k	RES, 100k ohm, 5%, 0.125W, 0805	0805	CRCW0805100K0JNEA	Vishay-Dale		
R18	1	511	RES, 511, 1%, 0.25 W, 1206	1206	CRCW1206511R0FKEA	Vishay-Dale		
R19	1	28.0k	RES, 28.0 k, 1%, 0.1 W, 0603	0603	CRCW060328K0FKEA	Vishay-Dale		
R20	1	1.2	RES, 1.2, 5%, 0.75 W, 2010	2010	CRCW20101R20JNEF	Vishay-Dale		
R21	1	1.00	RES, 1.00, 1%, 0.75 W, 2010	2010	CRCW20101R00KKEF	Vishay-Dale		
R24	1	432	RES, 432, 1%, 0.1 W, 0603	0603	CRCW0603432R0FKEA	Vishay-Dale		
RF1	1	5.1	RES 5.1 OHM 1/4W 5% 1206 SMD	1206	M251206BB5108JP500	Vishay Beyschlag		
T1	1	1 mH	Transformer, 1 mH, TH	TH, 14-Leads, Body 32.25x27.05mm, Pitch 3.81mm	750315047	Würth Elektronik eiSos		
U1	1		Constant-Voltage, Constant-Current Controller With Primary-Side Regulation, DBV0006A	DBV0006A	UCC28700DBV	Texas Instruments		None
C23	0	10pF	CAP, CERM, 10 pF, 50 V, +/- 5%, COG/NP0, 0603	0603	06035A100JAT2A	AVX		
J5	0	2x1	Conn Term Block, 2POS, 5.08mm, TH	PhoenixContact_1715 721	1715721	Phoenix Contact		
R2, R4, R6, R11	0	10.0k	RES, 10.0 k, 1%, 0.25 W, 1206	1206	CRCW120610K0FKEA	Vishay-Dale		
R22, R23	0	0	RES, 0, 5%, 0.25 W, 1206	1206	CRCW12060000Z0EA	Vishay-Dale		

Notes:

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

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