

D060512-A

12V variant

Designator	Part Number	Value	Description	Footprint
C1	478-2567-1-ND	2.2u	Capacitor, surface mount	CC4532-1812
C2	478-1482-1-ND	150p	Capacitor, surface mount	CC3216-1206
C3	399-1805-1-ND	100n	Capacitor, surface mount	CC3216-1206
C4	478-2567-1-ND	2.2u	Capacitor, surface mount	CC4532-1812
C5	445-1657-1-ND	47u	2-chip piled capacitor, surface mount	CKG57N
C6	445-1657-1-ND	47u	2-chip piled capacitor, surface mount	CKG57N
C7	445-1657-1-ND	47u	2-chip piled capacitor, surface mount	CKG57N
C8	445-1657-1-ND	47u	2-chip piled capacitor, surface mount	CKG57N
C9	311-1179-1-ND	100n	Capacitor, surface mount	CC3216-1206
C10	PCC1893CT-ND	1u	Capacitor, surface mount	CC3216-1206
C11	493-1574-ND	5600u	Electrolyte capacitor, leaded, radial	RB18/7.5
C12	493-1574-ND	5600u	Electrolyte capacitor, leaded, radial	RB18/7.5
C13	493-1574-ND	5600u	Electrolyte capacitor, leaded, radial	RB18/7.5
C14	493-1574-ND	5600u	Electrolyte capacitor, leaded, radial	RB18/7.5
C15	493-1574-ND	5600u	Electrolyte capacitor, leaded, radial	RB18/7.5
C16	478-1558-1-ND	150n	Capacitor, surface mount	CC3216-1206
C17	311-1179-1-ND	100n	Capacitor, surface mount	CC3216-1206
C18	PCC1893CT-ND	1u	Capacitor, surface mount	CC3216-1206
C19	PCC2414CT-ND	10u	Capacitor, surface mount	CC3216-1206
C20	565-1746-ND	820uF	Electrolyte capacitor, leaded, radial	RB18/7.5
C21	565-1746-ND	820uF	Electrolyte capacitor, leaded, radial	RB18/7.5
C22	565-1746-ND	820uF	Electrolyte capacitor, leaded, radial	RB18/7.5
C23	565-1746-ND	820uF	Electrolyte capacitor, leaded, radial	RB18/7.5
C24	565-1746-ND	820uF	Electrolyte capacitor, leaded, radial	RB18/7.5
C25	478-2567-1-ND	2.2u	Capacitor, surface mount	CC4532-1812
C26	478-2567-1-ND	2.2u	Capacitor, surface mount	CC4532-1812
C27	565-1746-ND	820uF	Electrolyte capacitor, leaded, radial	RB18/7.5
C28	565-1746-ND	820uF	Electrolyte capacitor, leaded, radial	RB18/7.5
C29	565-1746-ND	820uF	Electrolyte capacitor, leaded, radial	RB18/7.5
C30	565-1746-ND	820uF	Electrolyte capacitor, leaded, radial	RB18/7.5
C31	565-1746-ND	820uF	Electrolyte capacitor, leaded, radial	RB18/7.5
C32	478-1482-1-ND	150p	Capacitor, surface mount	CC3216-1206
C33	399-1805-1-ND	100n	Capacitor, surface mount	CC3216-1206
C34	311-1179-1-ND	100n	Capacitor, surface mount	CC3216-1206
C35	PCC1893CT-ND	1u	Capacitor, surface mount	CC3216-1206
C36	PCC1893CT-ND	1u	Capacitor, surface mount	CC3216-1206
C37	478-1558-1-ND	150n	Capacitor, surface mount	CC3216-1206
C38	478-2567-1-ND	2.2u	Capacitor, surface mount	CC4532-1812
C39	445-1657-1-ND	47u	2-chip piled capacitor, surface mount	CKG57N
C40	445-1657-1-ND	47u	2-chip piled capacitor, surface mount	CKG57N
C41	445-1657-1-ND	47u	2-chip piled capacitor, surface mount	CKG57N
C42	445-1657-1-ND	47u	2-chip piled capacitor, surface mount	CKG57N
C43	311-1179-1-ND	100n	Capacitor, surface mount	CC3216-1206
C44	PCC2414CT-ND	10u	Capacitor, surface mount	CC3216-1206
C45	493-1574-ND	5600u	Electrolyte capacitor, leaded, radial	RB18/7.5
C46	493-1574-ND	5600u	Electrolyte capacitor, leaded, radial	RB18/7.5
C47	493-1574-ND	5600u	Electrolyte capacitor, leaded, radial	RB18/7.5
C48	493-1574-ND	5600u	Electrolyte capacitor, leaded, radial	RB18/7.5
C49	493-1574-ND	5600u	Electrolyte capacitor, leaded, radial	RB18/7.5
C50	PCC1893CT-ND	1u	Capacitor, surface mount	CC3216-1206
C51	PCC1893CT-ND	1u	Capacitor, surface mount	CC3216-1206

C52	PCC1893CT-ND	1u	Capacitor, surface mount	CC3216-1206
D1	B1100B-FDICT-ND		Single shottky diode	DO-SMB
D2	B3100-FDICT-ND		Single shottky diode	DO-SMC
D3	B1100B-FDICT-ND		Single shottky diode	DO-SMB
D4	B3100-FDICT-ND		Single shottky diode	DO-SMC
D5	B140B-FDICT-ND		Single shottky diode	DO-SMB
D6	B140B-FDICT-ND		Single shottky diode	DO-SMB
D7	B140B-FDICT-ND		Single shottky diode	DO-SMB
L1	HF358-101M-15A	100uH	Power inductor, HF358	HF358V
L2	MVR1278C-232MLB	2.2uH	Power inductor, MVR series	MVR1251
L3	MVR1278C-232MLB	2.2uH	Power inductor, MVR series	MVR1251
L4	HF358-101M-15A	100uH	Power inductor, HF358	HF358V
L5	MVR1278C-232MLB	2.2uH	Power inductor, MVR series	MVR1251
P1	WM5964-ND		Terminal block, 10.16mm, 2-Pin	TBLOCK-10.16-2
P2	WM5964-ND		Terminal block, 10.16mm, 2-Pin	TBLOCK-10.16-2
P3	WM5964-ND		Terminal block, 10.16mm, 2-Pin	TBLOCK-10.16-2
P4	A31169-ND		Header, 8-Pin, Dual row	HDR2X8
P5	A31170-ND		Header, 10-Pin, Dual row	HDR2X10
P6	281-1297-ND		Terminal block, 5.08mm, 2-Pin	TBLOCK-5.08-2
Q1	512-FDB3682		Power MOSFET, N-channel	D2PAK
Q2	512-FDB3682		Power MOSFET, N-channel	D2PAK
Q3	512-FDB3652		Power MOSFET, N-channel	D2PAK
Q4	512-FDB3652		Power MOSFET, N-channel	D2PAK
Q5	MMBT3906FSC-ND		PNP Switching Transistor	SOT23
Q6	MMBT3906FSC-ND		PNP Switching Transistor	SOT23
Q7	MMBT3906FSC-ND		PNP Switching Transistor	SOT23
Q8	MMBT3906FSC-ND		PNP Switching Transistor	SOT23
Q9	512-FDB3682		Power MOSFET, N-channel	D2PAK
Q10	512-FDB3682		Power MOSFET, N-channel	D2PAK
Q11	512-FDB3652		Power MOSFET, N-channel	D2PAK
Q12	512-FDB3652		Power MOSFET, N-channel	D2PAK
Q13	MJD112T4GOSCT-ND		Darlington Silicon Power NPN Transistor, 8 Amp, 80 Volts and 65 V	369A-13
R1	311-2.00KFRCT-ND	2K	Resistor, surface mount	CR3216-1206
R2	311-30.0KFRCT-ND	30.0K	Resistor, surface mount	CR3216-1206
R3	311-21.5KFRCT-ND	21.5K	Resistor, surface mount	CR3216-1206
R4	311-8.45KFRCT-ND	8.45K	Resistor, surface mount	CR3216-1206
R5	311-10.0FRCT-ND	10	Resistor, surface mount	CR3216-1206
R6	RR12P10.0KBCT-ND	10K	Resistor, surface mount	CR2012-0805
R7	311-549FRCT-ND	549	Resistor, surface mount	CR3216-1206
R8	RR12P1.0KBCT-ND	1K	Resistor	CR2012-0805
R9	RR12P1.0KBCT-ND	1K	Resistor	CR2012-0805
R10	311-3.32KFRCT-ND	3.32K	Resistor, surface mount	CR3216-1206
R11	311-20.0KFRCT-ND	20K	Resistor, surface mount	CR3216-1206
R12	RR12P26.1KBCT-ND	26.1K	Resistor	CR2012-0805
R13	311-20.0KFRCT-ND	20K	Resistor, surface mount	CR3216-1206
R14	RR12P26.1KBCT-ND	26.1K	Resistor	CR2012-0805
R15	RR12P1.0KBCT-ND	1K	Resistor	CR2012-0805
R16	311-2.00KFRCT-ND	2K	Resistor, surface mount	CR3216-1206
R17	311-30.0KFRCT-ND	30.0K	Resistor, surface mount	CR3216-1206
R18	311-21.5KFRCT-ND	21.5K	Resistor, surface mount	CR3216-1206
R19	RR12P1.0KBCT-ND	1K	Resistor	CR2012-0805
R20	311-8.45KFRCT-ND	8.45K	Resistor, surface mount	CR3216-1206
R21	311-10.0FRCT-ND	10	Resistor, surface mount	CR3216-1206
R22	RR12P10.0KBCT-ND	10K	Resistor, surface mount	CR2012-0805
R23	311-549FRCT-ND	549	Resistor, surface mount	CR3216-1206

R27	311-100KFRCT-ND	100K	Resistor, surface mount	CR3216-1206
R28	311-100KFRCT-ND	100K	Resistor, surface mount	CR3216-1206
R29	311-0.0ERCT-ND	0	Resistor, surface mount	CR3216-1206
R30	311-100KFRCT-ND	100K	Resistor, surface mount	CR3216-1206
R31	311-15.4KFRCT-ND	15.4K	Resistor, surface mount	CR3216-1206
R32	311-10.0KFRCT-ND	10.0K	Resistor, surface mount	CR3216-1206
R33	311-24.9KFRCT-ND	24.9K	Resistor, surface mount	CR3216-1206
R34	311-910FRCT-ND	910	Resistor, surface mount	CR3216-1206
R35	311-3.00KFRCT-ND	3K	Resistor, surface mount	CR3216-1206
R36	311-95.3KFRCT-ND	95.3K	Resistor, surface mount	CR3216-1206
R37	311-15.0KFRCT-ND	15K	Resistor, surface mount	CR3216-1206
R38	311-10.0FRCT-ND	10	Resistor, surface mount	CR3216-1206
R39	311-4.99KFRCT-ND	4.99K	Resistor, surface mount	CR3216-1206
R40	311-20.0KFRCT-ND	20K	Resistor, surface mount	CR3216-1206
R41	311-15.0KFRCT-ND	15K	Resistor, surface mount	CR3216-1206
RX1	RR12P732BCT-ND	732	Resistor, surface mount	CR2012-0805
RX2	311-29.4KFRCT-ND	29.4K	Resistor, surface mount	CR3216-1206
RY1	RR12P732BCT-ND	732	Resistor, surface mount	CR2012-0805
RY2	311-29.4KFRCT-ND	29.4K	Resistor, surface mount	CR3216-1206
TP1	5009K-ND		Testpoint, yellow	TP1
TP2	5009K-ND		Testpoint, yellow	TP1
TP3	5009K-ND		Testpoint, yellow	TP1
TP4	5005K-ND		Testpoint, red	TP1
TP5	5006K-ND		Testpoint, black	TP1
TP6	5005K-ND		Testpoint, red	TP1
TP7	5009K-ND		Testpoint, yellow	TP1
TP8	5006K-ND		Testpoint, black	TP1
TP9	5009K-ND		Testpoint, yellow	TP1
TP10	5005K-ND		Testpoint, red	TP1
TP11	5006K-ND		Testpoint, black	TP1
U1	LTC3703EG#PBF		Synchronous buck regulator controller, 100V	SSO-G28/C6.8
U2	OP184ESZ-ND		Precision Rail-to-Rail Input and Output Operational Amplifier	SO-G8
U3	LTC3703EG#PBF		Synchronous buck regulator controller, 100V	SSO-G28/C6.8
U4	OP184ESZ-ND		Precision Rail-to-Rail Input and Output Operational Amplifier	SO-G8
U5	LT1006S8#PBF-ND		Precision Rail-to-Rail Input and Output Operational Amplifier	SO-G8
U6	296-17623-1-ND		Programmable Precision Reference	SO-G3/C2.25