

D060431-B**17V variant**

Designator	Part Number	Value	Description	Footprint
C1	478-2567-1-ND	2.2u	Capacitor, surface mount	CC4532-1812
C2	311-1099-1-ND	10p	Capacitor, surface mount	CC2013-0805
C3	311-1113-1-ND	150p	Capacitor, surface mount	CC2013-0805
C4	399-1805-1-ND	100n	Capacitor, surface mount	CC3216-1206
C5	478-2567-1-ND	2.2u	Capacitor, surface mount	CC4532-1812
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	445-1657-1-ND	47u	2-chip piled capacitor, surface mount	CKG57N
C10	478-1395-1-ND	100n	Capacitor, surface mount	CC2013-0805
C11	NL		Capacitor, surface mount	CC2013-0805
C12	PCC2319CT-ND	1u	Capacitor, surface mount	CC2013-0805
C13	493-1602-ND	3900u	Electrolyte capacitor, leaded, radial	RB18/7.5
C14	493-1602-ND	3900u	Electrolyte capacitor, leaded, radial	RB18/7.5
C15	493-1602-ND	3900u	Electrolyte capacitor, leaded, radial	RB18/7.5
C16	493-1602-ND	3900u	Electrolyte capacitor, leaded, radial	RB18/7.5
C17	493-1602-ND	3900u	Electrolyte capacitor, leaded, radial	RB18/7.5
C18	490-1667-1-ND	150n	Capacitor, surface mount	CC2013-0805
C19	478-1395-1-ND	100n	Capacitor, surface mount	CC2013-0805
C20	490-1670-1-ND	220n	Capacitor, surface mount	CC2013-0805
C21	478-1395-1-ND	100n	Capacitor, surface mount	CC2013-0805
C22	478-1395-1-ND	100n	Capacitor, surface mount	CC2013-0805
C23	PCC2414CT-ND	10u	Capacitor, surface mount	CC3216-1206
C24	490-3908-1-ND	1u	Capacitor, surface mount	CC3216-1206
C25	565-1746-ND	820uF	Electrolyte capacitor, leaded, radial	RB18/7.5
C26	565-1746-ND	820uF	Electrolyte capacitor, leaded, radial	RB18/7.5
C27	478-1395-1-ND	100n	Capacitor, surface mount	CC2013-0805
C28	478-2567-1-ND	2.2u	Capacitor, surface mount	CC4532-1812
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	565-1746-ND	820uF	Electrolyte capacitor, leaded, radial	RB18/7.5
C33	565-1746-ND	820uF	Electrolyte capacitor, leaded, radial	RB18/7.5
C34	311-1111-1-ND	100p	Capacitor, surface mount	CC2013-0805
C35	478-2567-1-ND	2.2u	Capacitor, surface mount	CC4532-1812
C36	311-1103-1-ND	22p	Capacitor, surface mount	CC2013-0805
C37	565-1746-ND	820uF	Electrolyte capacitor, leaded, radial	RB18/7.5
C38	565-1746-ND	820uF	Electrolyte capacitor, leaded, radial	RB18/7.5
C39	311-1099-1-ND	10p	Capacitor, surface mount	CC2013-0805
C40	478-1395-1-ND	100n	Capacitor, surface mount	CC2013-0805
C41	478-1395-1-ND	100n	Capacitor, surface mount	CC2013-0805
C42	311-1122-1-ND	1n	Capacitor, surface mount	CC2013-0805
C43	399-1805-1-ND	100n	Capacitor, surface mount	CC3216-1206
C44	490-3328-1-ND	470n	Capacitor, surface mount	CC2013-0805
C45	NL		Capacitor, surface mount	CC2013-0805
C46	PCC2319CT-ND	1u	Capacitor, surface mount	CC2013-0805
C47	478-1395-1-ND	100n	Capacitor, surface mount	CC2013-0805
C48	490-3908-1-ND	1u	Capacitor, surface mount	CC3216-1206
C49	490-1667-1-ND	150n	Capacitor, surface mount	CC2013-0805
C50	490-1670-1-ND	220n	Capacitor, surface mount	CC2013-0805
C51	478-1395-1-ND	100n	Capacitor, surface mount	CC2013-0805

C52	478-2567-1-ND	2.2u	Capacitor, surface mount	CC4532-1812
C53	445-1657-1-ND	47u	2-chip piled capacitor, surface mount	CKG57N
C54	445-1657-1-ND	47u	2-chip piled capacitor, surface mount	CKG57N
C55	445-1657-1-ND	47u	2-chip piled capacitor, surface mount	CKG57N
C56	445-1657-1-ND	47u	2-chip piled capacitor, surface mount	CKG57N
C57	478-1395-1-ND	100n	Capacitor, surface mount	CC2013-0805
C58	478-1395-1-ND	100n	Capacitor, surface mount	CC2013-0805
C59	493-1602-ND	3900u	Electrolyte capacitor, leaded, radial	RB18/7.5
C60	493-1602-ND	3900u	Electrolyte capacitor, leaded, radial	RB18/7.5
C61	493-1602-ND	3900u	Electrolyte capacitor, leaded, radial	RB18/7.5
C62	493-1602-ND	3900u	Electrolyte capacitor, leaded, radial	RB18/7.5
C63	493-1602-ND	3900u	Electrolyte capacitor, leaded, radial	RB18/7.5
C64	PCC2414CT-ND	10u	Capacitor, surface mount	CC3216-1206
C65	478-1395-1-ND	100n	Capacitor, surface mount	CC2013-0805
C66	399-3908-1-ND	68u	Tantalum capacitor, surface mount	TC7343-2917
C67	478-1395-1-ND	100n	Capacitor, surface mount	CC2013-0805
D1	B1100B-FDICT-ND		Single shottky diode	DO-SMB
D2	511-STPS41H100CG		Dual shottky diode	D2PAK
D3	SD103AW-FDICT-ND		Single shottky diode	DO-SOD123
D4	BZT52C9V1-FDICT-ND		Single zener diode	DO-SOD123
D5	30CTQ100PBF-ND		Schottky Rectifier	TO-247AC
D6	BZT52C16-FDICT-ND		Single zener diode	DO-SOD123
D7	SD103AW-FDICT-ND		Single shottky diode	DO-SOD123
D8	B1100B-FDICT-ND		Single shottky diode	DO-SMB
D9	511-STPS41H100CG		Dual shottky diode	D2PAK
D10	SD103AW-FDICT-ND		Single shottky diode	DO-SOD123
D11	SD103AW-FDICT-ND		Single shottky diode	DO-SOD123
D12	BZT52C9V1-FDICT-ND		Single zener diode	DO-SOD123
D13	SD103AW-FDICT-ND		Single shottky diode	DO-SOD123
D14	SD103AW-FDICT-ND		Single shottky diode	DO-SOD123
D15	SD103AW-FDICT-ND		Single shottky diode	DO-SOD123
D16	SD103AW-FDICT-ND		Single shottky diode	DO-SOD123
D17	SD103AW-FDICT-ND		Single shottky diode	DO-SOD123
L1	HF358-101M-15A	100uH	Power inductor, HF358	HF358V
L2	MVR1278C-232MLB	2.2uH	Power inductor, MVR series	MVR1251
L3	495-1759-1-ND	220u	Inductor	CL4532-1812
L4	MVR1278C-232MLB	2.2uH	Power inductor, MVR series	MVR1251
L5	HF358-101M-15A	100uH	Power inductor, HF358	HF358V
L6	495-1759-1-ND	220u	Inductor	CL4532-1812
L7	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
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	MMBT3906FSCT-ND		PNP Switching Transistor	SOT23
Q6	IRF5210S-ND		Power MOSFET, P-channel	D2PAK
Q7	MMBT3906FSCT-ND		PNP Switching Transistor	SOT23
Q8	MMBT3906FSCT-ND		PNP Switching Transistor	SOT23
Q9	MMBTA14TPMSCT-ND		NPN Darlington Transistor	SOT23
Q10	IRF5210S-ND		Power MOSFET, P-channel	D2PAK

Q11	MMBT3904FSCT-ND		NPN Switching Transistor	SOT23
Q12	FDV301NCT-ND		FDV301N, Digital FET, N-channel, SOT23	SO-G3/C2.25
Q13	512-FDB3682		Power MOSFET, N-channel	D2PAK
Q14	512-FDB3682		Power MOSFET, N-channel	D2PAK
Q15	FDV301NCT-ND		FDV301N, Digital FET, N-channel, SOT23	SO-G3/C2.25
Q16	512-FDB3652		Power MOSFET, N-channel	D2PAK
Q17	512-FDB3652		Power MOSFET, N-channel	D2PAK
Q18	BC856ALT1GOSCT-ND		PNP Switching Transistor	SOT23
R1	RR12P2.0KBCT-ND	2K	Resistor, surface mount	CR2012-0805
R2	RR12Q15DCT-ND	15	Resistor, surface mount	CR2012-0805
R3	RR12P30.0KBCT-ND	30.0K	Resistor, surface mount	CR2012-0805
R4	RR12P21.5KBCT-ND	21.5K	Resistor, surface mount	CR2012-0805
R5	RR12P10.0KBCT-ND	10K	Resistor, surface mount	CR2012-0805
R6	RR12P10.0KBCT-ND	10K	Resistor, surface mount	CR2012-0805
R7	RR12Q10DCT-ND	10	Resistor, surface mount	CR2012-0805
R8	RR12P549BCT-ND	549	Resistor, surface mount	CR2012-0805
R9	RR12P10.0KBCT-ND	10K	Resistor, surface mount	CR2012-0805
R10	RR12P1.0KBCT-ND	1K	Resistor	CR2012-0805
R11	RR12P4.99KBCT-ND	4.99K	Resistor, surface mount	CR2012-0805
R12	RR12Q10DCT-ND	10	Resistor, surface mount	CR2012-0805
R13	RR12Q10DCT-ND	10	Resistor, surface mount	CR2012-0805
R14	RR12P1.0KBCT-ND	1K	Resistor	CR2012-0805
R15	RR12P100KBCT-ND	100K	Resistor, surface mount	CR2012-0805
R16	RR12P4.99KBCT-ND	4.99K	Resistor, surface mount	CR2012-0805
R17	RR12P20.0KBCT-ND	20K	Resistor, surface mount	CR2012-0805
R18	RR12P3.32KBCT-ND	3.32K	Resistor, surface mount	CR2012-0805
R19	RR12P20.0KBCT-ND	20K	Resistor, surface mount	CR2012-0805
R20	RR12P100KBCT-ND	100K	Resistor, surface mount	CR2012-0805
R21	RR12P33.0KBCT-ND	33.0K	Resistor	CR2012-0805
R22	RR12P15.0KBCT-ND	15K	Resistor, surface mount	CR2012-0805
R23	RR12P20.0KBCT-ND	20K	Resistor, surface mount	CR2012-0805
R24	RR12P33.0KBCT-ND	33.0K	Resistor	CR2012-0805
R25	RR12P200KBCT-ND	200K	Resistor, surface mount	CR2012-0805
R26	RR12P20.0KBCT-ND	20K	Resistor, surface mount	CR2012-0805
R27	RR12P1.0KBCT-ND	1K	Resistor	CR2012-0805
R28	RR12P2.0KBCT-ND	2K	Resistor, surface mount	CR2012-0805
R29	RR12Q15DCT-ND	15	Resistor, surface mount	CR2012-0805
R30	RR12P30.0KBCT-ND	30.0K	Resistor, surface mount	CR2012-0805
R31	RR12P3.16KBCT-ND	3.16K	Resistor, surface mount	CR2012-0805
R32	RR12P100KBCT-ND	100K	Resistor, surface mount	CR2012-0805
R33	RR12P1.0KBCT-ND	1K	Resistor	CR2012-0805
R34	RR12P12.0KBCT-ND	12K	Resistor, surface mount	CR2012-0805
R35	RR12P10.0KBCT-ND	10K	Resistor, surface mount	CR2012-0805
R36	RR12Q10DCT-ND	10	Resistor, surface mount	CR2012-0805
R37	RR12P82.5KBCT-ND	82.5K	Resistor, surface mount	CR2012-0805
R38		NL	Resistor, surface mount	CR2012-0805
R39	RR12Q10DCT-ND	10	Resistor, surface mount	CR2012-0805
R40	RR12P549BCT-ND	549	Resistor, surface mount	CR2012-0805
R41	RR12P10.0KBCT-ND	10K	Resistor, surface mount	CR2012-0805
R42	RR12P31.6KBCT-ND	31.6K	Resistor, surface mount	CR2012-0805
R43	RR12P10.0KBCT-ND	10K	Resistor, surface mount	CR2012-0805
R44	RR12P4.99KBCT-ND	4.99K	Resistor, surface mount	CR2012-0805
R45	RR12P10.0KBCT-ND	10K	Resistor, surface mount	CR2012-0805
R46	RR12Q10DCT-ND	10	Resistor, surface mount	CR2012-0805
R47	RR12Q10DCT-ND	10	Resistor, surface mount	CR2012-0805

R48	RR12P24.9KBCT-ND	24.9K	Resistor, surface mount	CR2012-0805
R49	RR12P1.24KBCT-ND	1.24K	Resistor, surface mount	CR2012-0805
R50	RR12P1.24KBCT-ND	1.24K	Resistor, surface mount	CR2012-0805
R51	RR12P10.5KBCT-ND	10.5K	Resistor, surface mount	CR2012-0805
R52	RR12P4.99KBCT-ND	4.99K	Resistor, surface mount	CR2012-0805
R53	RR12P110KBCT-ND	110K	Resistor, surface mount	CR2012-0805
RL1	311-1.50KFRCT-ND	1.50K	Resistor, surface mount	CR3216-1206
RL2	311-1.50KFRCT-ND	1.50K	Resistor, surface mount	CR3216-1206
RL3	311-3.00KFRCT-ND	3K	Resistor, surface mount	CR3216-1206
RL4	311-3.00KFRCT-ND	3K	Resistor, surface mount	CR3216-1206
RO1	RR12P5.62KBCT-ND	5.62K	Resistor, surface mount	CR2012-0805
RO2	RR12P5.76KBCT-ND	5.76K	Resistor, surface mount	CR2012-0805
RX1	RR12P510BCT-ND	510	Resistor, surface mount	CR2012-0805
RY1	RR12P510BCT-ND	510	Resistor, surface mount	CR2012-0805
S1	317-1063-ND		Thernal switch, N/O	F11-E06H
TP1	5005K-ND		Testpoint, red	TP1
TP2	5006K-ND		Testpoint, black	TP1
TP3	5006K-ND		Testpoint, black	TP1
TP4	5006K-ND		Testpoint, black	TP1
TP5	5007K-ND		Testpoint, white	TP1
TP6	5006K-ND		Testpoint, black	TP1
TP7	5006K-ND		Testpoint, black	TP1
TP8	5009K-ND		Testpoint, yellow	TP1
U1	LTC3703EG#PBF		Synchronous buck regulator controller, 100V	SSO-G28/C6.8
U2	OP184ESZ-ND		Precision Rail-to-Rail Input and Ouput Operational Amplifier	SO-G8
U3	LTC1696ES6#TRMCT-ND		Oervoltage protection controller	SO-G6/E2.4
U4	LTC3703EG#PBF		Synchronous buck regulator controller, 100V	SSO-G28/C6.8
U5	OP184ESZ-ND		Precision Rail-to-Rail Input and Ouput Operational Amplifier	SO-G8
U6	OP184ESZ-ND		Precision Rail-to-Rail Input and Ouput Operational Amplifier	SO-G8
U7	296-17623-1-ND		Programmable Precision Reference	SO-G3/C2.25
U8	LM317D2TR4GOSCT-ND		Three-Terminal Adjustable Output Positive Voltage Regulator	936-03
U9	LM317D2TR4GOSCT-ND		Three-Terminal Adjustable Output Positive Voltage Regulator	936-03