

Designator	Comment	Description	Footprint	Ordering Information
C1	100n	Ceramic Capacitor	0603	Not Available
C2	330n	Ceramic Capacitor	1206	Not Available
C3	15n	Ceramic Capacitor	1206	Not Available
C4	22u-35V	Tantalum Electrolytic	E	Not Available
C5	22u-35V	Tantalum Electrolytic	E	Not Available
C6	100n	Ceramic Capacitor	0603	Not Available
C7	100n	Ceramic Capacitor	0603	Not Available
C8	470u-6.3V	Tantalum Electrolytic	D	Not Available
C9	100u-6.3V	Thin layer, high capaci	1210	GRM32ER60J107ME20
C10	100u-6.3V	Thin layer, high capaci	1210	GRM32ER60J107ME20
C11	10u-10V	Tantalum Electrolytic	B	Not Available
C12	100n	Ceramic Capacitor	0603	Not Available
C13	330n	Ceramic Capacitor	0603	Not Available
C14	Not Mount	Ceramic Capacitor	0603	Not Available
C15	47n	Ceramic Capacitor	0603	Not Available
C16	Not Mount	Thin layer, high capaci	1210	GRM32ER60J107ME20
C17	100u-6.3V	Thin layer, high capaci	1210	GRM32ER60J107ME20
C18	47n	Ceramic Capacitor	0603	Not Available
C19	47n	Ceramic Capacitor	0603	Not Available
C20	100u-6.3V	Thin layer, high capaci	1210	GRM32ER60J107ME20
C21	680u-6V	Tantalum Electrolytic	E	Not Available
C22	47n	Ceramic Capacitor	0603	Not Available
C23	4n7	Ceramic Capacitor	0603	Not Available
C24	47n	Ceramic Capacitor	0603	Not Available
C25	100n	Ceramic Capacitor	0603	Not Available
C28	2n2	Ceramic Capacitor	0603	Not Available
C31	Not Mount	Thin layer, high capaci	1210	GRM32ER60J107ME20
C33	100u-6.3V	Thin layer, high capaci	1210	GRM32ER60J107ME20
C47	22u-35V	Tantalum Electrolytic	D	Not Available
C48	22u-35V	Tantalum Electrolytic	D	Not Available
C49	1u-25V	Ceramic Capacitor	1206	Not Available
C50	22u-35V	Tantalum Electrolytic	D	Not Available
C51	1u-25V	Ceramic Capacitor	1206	Not Available
C52	22u-35V	Tantalum Electrolytic	D	Not Available
C53	100u-6.3V	Thin layer, high capaci	1210	GRM32ER60J107ME20
C54	220n	Ceramic Capacitor	0603	Not Available
C70	100u-6.3V	Thin layer, high capaci	1210	GRM32ER60J107ME20
C71	100n	Ceramic Capacitor	0603	Not Available
C93	100n	Ceramic Capacitor	0603	Not Available
C94	47n	Ceramic Capacitor	0603	Not Available
C95	Not Mount	Thin layer, high capaci	1210	GRM32ER60J107ME20
C96	100u-6.3V	Thin layer, high capaci	1210	GRM32ER60J107ME20
C101	100u-6.3V	Thin layer, high capaci	1210	GRM32ER60J107ME20
C102	100n	Ceramic Capacitor	0603	Not Available
C161	100n	Ceramic Capacitor	0603	Not Available
C162	100n	Ceramic Capacitor	0603	Not Available
C167	100u-6.3V	Thin layer, high capaci	1210	GRM32ER60J107ME20
C170	Not Mount	Thin layer, high capaci	1210	GRM32ER60J107ME20

C179	47n	Ceramic Capacitor	0603	Not Available
C182	100u-6.3V	Thin layer, high capaci	1210	GRM32ER60J107ME20
C186	4n7	Ceramic Capacitor	0603	Not Available
C215	680u-6V	Tantalum Electrolytic	E	Not Available
C216	680u-6V	Tantalum Electrolytic	E	Not Available
C218	680u-6V	Tantalum Electrolytic	E	Not Available
C446	100n	Ceramic Capacitor	0603	Not Available
C447	100n	Ceramic Capacitor	0603	Not Available
C448	10u-35V	Tantalum Electrolytic	D	Not Available
C449	100u-16V_LowESR	Tantalum Electrolytic	D	Not Available
D1	1PS76SB	Diode Schottky	SOD323	1PS76SB10/T1
D2	MBRS360T3	Ultra Fast Recovery Re	DIODE403-03	MBRS360T3
D3	1PS76SB	Diode Schottky	SOD323	1PS76SB10/T1
D4	1PS76SB	Diode Schottky	SOD323	1PS76SB10/T1
D22	LED_SMD_GREEN	Light Emitter Diode SM	DIODESMD	HSMG-C650
D23	LED_SMD_GREEN	Light Emitter Diode SM	DIODESMD	HSMG-C650
D24	LED_SMD_GREEN	Light Emitter Diode SM	DIODESMD	HSMG-C650
D25	MBRS360T3	Ultra Fast Recovery Re	DIODE403-03	MBRS360T3
D26	MBRS360T3	Ultra Fast Recovery Re	DIODE403-03	MBRS360T3
D27	MBR130T1	Surface Mount 1A 30V	SOD-123	MBR130T1
D28	LED_SMD_GREEN	Light Emitter Diode SM	DIODESMD	HSMG-C650
D29	LED_SMD_GREEN	Light Emitter Diode SM	DIODESMD	HSMG-C650
D30	LED_SMD_GREEN	Light Emitter Diode SM	DIODESMD	HSMG-C650
D31	LED_SMD_GREEN	Light Emitter Diode SM	DIODESMD	HSMG-C650
D39	LED_SMD_GREEN	Light Emitter Diode SM	DIODESMD	HSMG-C650
JP1	HEADER_4X1	jumper 4-pin singola fi	SIP4	Not Available
JP3	Header 25X2	jumper 25X2 F	HDR2X25	
JP9	HEADER_2X2	jumper 2X2 F	IDC4	Not Available
JP11	HEADER_2X2	jumper 2X2 F	IDC4	Not Available
L1	10uH	Induttore Serie	DS5022_IND	DO5010
L2	Not Mount	Uni-Pack SMD power in	UP4B	UP4B-100
L5	47uH	Surface Mount DC-DC	DT1608	DT1608-473-47
L6	47uH	Surface Mount DC-DC	DT1608	DT1608-473-47
L7	Not Mount	Induttore Serie	DT3316	DT3316
L8	10uH	Surface Mount DC-DC	DT1608	DT1608-103
L9	10uH	Induttore Serie	DT3316	DT3316
L12	Not Mount	Surface Mount DC-DC	DT1608	DT1608-103
L33	Not Mount	Induttore Serie	DT3316	DT3316
L34	33uH	Surface Mount DC-DC	DT1608	DT1608-333
L35	Not Mount	Induttore Serie	DT3316	DT3316
L36	33uH	Surface Mount DC-DC	DT1608	DT1608-333
Q1	IRF7335D1	Dual FETKY N-Channel	SO-14	IRF7335D1
Q10	Si4410DY	HEXFET N-Channel Pow	SO8	Si4410DY
Q11	Si4410DY	HEXFET N-Channel Pow	SO8	Si4410DY
Q14	BC817-16	NPN General Purpose	SOT-23	BC817-16,215
Q15	BC817-16	NPN General Purpose	SOT-23	BC817-16,215
R1	10K	Resistor	0603	Not Available
R2	4.7	Resistor	0603	Not Available
R3	100K	Resistor	0603	Not Available

R4	10K	Resistor	0603	Not Available
R5	Not Mount	Resistor	0603	Not Available
R6	10K	Resistor	0603	Not Available
R7	220	Resistor	0603	Not Available
R8	10K	Resistor	0603	Not Available
R9	2K7	Resistor	0603	Not Available
R10	220	Resistor	0603	Not Available
R11	220	Resistor	0603	Not Available
R12	Not Mount	Resistor	0603	Not Available
R13	1K8	Resistor	0603	Not Available
R17	0	Resistor	0603	Not Available
R39	2K2	Resistor	0603	Not Available
R40	Not Mount	Resistor	0603	Not Available
R41	Not Mount	Resistor	0603	Not Available
R42	51K	Resistor	0603	Not Available
R43	150	Resistor	0603	Not Available
R44	1K	Resistor	0603	Not Available
R45	0	Resistor	0603	Not Available
R50	6K8	Resistor	0603	Not Available
R51	6K8	Resistor	0603	Not Available
R58	680	Resistor	0603	Not Available
R59	680	Resistor	0603	Not Available
R60	270	Resistor	0603	Not Available
R61	680	Resistor	0603	Not Available
R62	1K5	Resistor	0603	Not Available
R63	4k7	Resistor	0603	Not Available
R64	12K	Resistor	0603	Not Available
R65	10K	Resistor	0603	Not Available
R66	10K	Resistor	0603	Not Available
R72	0	Resistor	1206	Not Available
R73	Not Mount	Resistor	1206	Not Available
R74	Not Mount	Resistor	0603	Not Available
R75	1K	Resistor	0603	Not Available
R76	Not Mount	Resistor	0603	Not Available
R77	0	Resistor	0603	Not Available
R78	Not Mount	Resistor	0603	Not Available
R79	0	Resistor	0603	Not Available
R80	10K	Resistor	0603	Not Available
R81	4k7	Resistor	0603	Not Available
R86	Not Mount	Resistor	0603	Not Available
R87	75	Resistor	0603	Not Available
R146	Not Mount	Resistor	0603	Not Available
R204	10K	Resistor	0603	Not Available
R209	Not Mount	Resistor	0603	Not Available
R325	330	Resistor	0603	Not Available
R326	3K6	Resistor	0603	Not Available
S1	SCREW3	Metrical M3x10 screw	SCREW3	Not Available
TP1	Not Mount	Test Point	JUMP1	Not Available
TP2	Not Mount	Test Point	JUMP1	Not Available

TP4	Not Mount	Test Point	JUMP1	Not Available
TP7	Not Mount	Test Point	JUMP1	Not Available
TP8	Not Mount	Test Point	JUMP1	Not Available
TP10	Not Mount	Test Point	JUMP1	Not Available
TP146	Not Mount	Test Point	JUMP1	Not Available
TP147	Not Mount	Test Point	JUMP1	Not Available
U1	SN74AHCT1G08	Single 2-input positive	DBV(R-PDSO-G5)	SN74AHCT1G08DBV
U2	TPS54610PWP	Adjustable output, 3V	PWP(R-PDSO-G28)	TPS54610PWP
U4	SN74AHCT1G08	Single 2-input positive	DBV(R-PDSO-G5)	SN74AHCT1G08DBV
U5	ADT75	+/-2 C° accurate, 12-k	uSOP8	ADT75BMRZ
U6	DS2703	SHA-1 Battery Pack A	usop8	DS2703U+
U7	LTC1625CS	No Rsense Current Mo	SO-16	LTC1625CS
U16	TPS54614PWP	1.8V 6A fixed output,	PWP(R-PDSO-G28)	TPS54614PWP
U17	TPS54616PWP	3.3V 6A fixed output,	PWP(R-PDSO-G28)	TPS54616PWP
U34	TPS54615PWP	2.5V 6A fixed output,	PWP(R-PDSO-G28)	TPS54615PWP
U50	LM317MDT	500 mA adjustable vo	TO-252	LM317MDT
Z1	PASSERMARK	Reference point for Pic	REF	Not Available
Z2	PASSERMARK	Reference point for Pic	REF	Not Available
Z3	PASSERMARK	Reference point for Pic	REF	Not Available
Z4	PASSERMARK	Reference point for Pic	REF	Not Available

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Not Available	Not Available
MuRata	Not Available
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Philips	Not Available
Motorola	Not Available
Philips	Not Available
Philips	Not Available
Agilent Technologies	Not Available
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ON Semiconductor	Not Available
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Coiltronics	Not Available
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Coilcraft	Not Available
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International Rectifier	Not Available
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Philips	Not Available
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Texas Instruments	Not Available
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Texas Instruments	Not Available
Analog Devices	Not Available
MAXIM	Not Available
Linear Technology	Not Available
Texas Instruments	Not Available
Texas Instruments	Not Available
Texas Instruments	Not Available
National semiconductor	Not Available
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