



Comment	Description	Designator	Footprint	LibRef	Quantity
2.2 uF, 16 VDC	CAP, size 0603, 2.2 uF, 16 VDC	C1, C2	CAP_0603	0106032251016	2
4.7 uF, 16 VDC	CAP, size 0603, 4.7 uF, 16 VDC	C3, C4	CAP_0603	0106034751016	2
2.2uF 50V	Capacitor D4xL7 2.2uF 50V	C5	CAP_4x7mm	CAPCITOR_POLE	1
3.3nF 50V	Capacitor, 3.3nF 50V	C6	CAP_RADIAL_2.54	Capacitor	1
68nF 50V	Capacitor, 68nF 50V	C7	CAP_RADIAL_2.54	Capacitor	1
100 nF, 50 VDC	CAP, size 0603, 100 nF, 50 VDC	C8, C10, C12, C13	CAP_0603	0106031041050	4
1 uF, 16 VDC	CAP, size 0603, 1 uF, 16 VDC	C9, C11	CAP_0603	0106031051016	2
1nF 50V	Capacitor, 1nF 50V	C14	CAP_RADIAL_2.54	Capacitor	1
0.1uF 50V	Capacitor, 0.1uF 50V	C15	CAP_RADIAL_2.54	Capacitor	1
Red, 2V	WL-SMCW SMT Mono-color Chip LED Waterclear, size 0603, Red, 2V, 140deg	D1	WL-SMCW_0603_H=0.7mm	160603RedClear	1
1N5822	SS54 SMC Diode Schottky 5A 40V	D2	DIODE_SCHOTTKY_D0-201AD	Diode_Schottky	1
BZT52H-C3V3	BZT52H-C3V3 Diode Zener 3.3V 375mW SOD-123F	D3	DIODE_ZENER_SOD123F	Diode_Zener	1
Green, 3.2V	WL-SMCW SMT Mono-color Chip LED Waterclear, size 0603, Green, 3.2V, 140deg	D4	WL-SMCW_0603_H=0.7mm	160603GreenClear	1
Blue, 3.2V	WL-SMCW SMT Mono-color Chip LED Waterclear, size 0603, Blue, 3.2V, 140deg	D5	WL-SMCW_0603_H=0.7mm	160603BlueClear	1
30V 4A	Fuse	F1	FUSERUEF400	Fuse	1
Hole	Hole	H1, H2, H3, H4	Hole_3.2mm	Hole	4
10A, 300V	WR-TBL Series 322 Horizontal PCB Header, THT, pitch 3.81mm, 2p	P3, P4	691322310002	691322310002	2
HDR_Terminal	HDR_Terminal 2 pin	P7	HDR_Header_2.54	HDR_Terminal	3
10 KOhm, 1/4 W	RES, size 0603, 10 KOhm, 1/4 W	R1, R2, R5, R6	resistor_0603	0006031031	4
100 Ohm, 1/4 W	RES, size 0603, 100 Ohm, 1/4 W	R3	resistor_0603	0006031011	1
3.3 KOhm, 1/4 W	RES, size 0603, 3.3 KOhm, 1/4 W	R4	resistor_0603	0006033321	1
10 Ohm, 1W	Resistor 10 Ohm 1W 1%	R8, R10	RESISTOR-1W	RESISTOR	2
2m Shunt	Resistor 2m Ohm Shunt	R9	Shunt_Resistor	RESISTOR	1
47 KOhm 1/4W	47 KOhm 1/4W	R11	RESISTOR-1/4W	RESISTOR	1
20 KOhm 1/4W	Resistor 20 KOhm 1/4W	R12, R15	RESISTOR-1/4W	RESISTOR	2
10K 1/4W	Resistor 10 KOhm 1/4W	R13, R16, R22	RESISTOR-1/4W	RESISTOR	3
30 KOhm 1/4W	30 KOhm 1/4W	R14	RESISTOR-1/4W	RESISTOR	1
1 MOhm 1/4W	Resistor 1 MOhm 1/4W	R17, R20	RESISTOR-1/4W	RESISTOR	2
33 KOhm, 1/4 W	RES, size 0603, 33 kOhm, 1/4 W	R18, R19	resistor_0603	0006033301	2
100K 1/4W	Resistor 100 KOhm 1/4W	R21, R23	RESISTOR-1/4W	RESISTOR	2
820 1/4W	Resistor 820 Ohm 1/4W	R24	RESISTOR-1/4W	RESISTOR	1
Test_Point	Test_Point	TP1, TP2, TP3, TP4	TP_1.5mm_SMD	Test_Point	4
TP57B693QDBVRO1	Linear Drop Out ICs for Automotive Application. TP57B693QDBVRO1 for 3.3V. TP57B6950QDBVRO1 for 5V	U1	TP57B69	TP57B69	1
TP57B6950QDBVRO1	Linear Drop Out ICs for Automotive Application. TP57B693QDBVRO1 for 3.3V. TP57B6950QDBVRO1 for 5V	U2	TP57B69	TP57B69	1
INA240-Q1	INA240-Q1 AEC-Q100, -4-V to 80-V, Bidirectional, Ultra-Precise Current Sense Amplifier With Enhanced PWM Rejection	U3	INA240-Q1-SOIC-8	INA240-Q1	1
TLVx3126-Q1	TLVx316-Q1 10-MHz, Rail-to-Rail Input/Output, Low-Voltage, 1.8-V CMOS Operational Amplifiers	U4, U5	TLVx316-Q1-VSSOP8	TLVx3126-Q1	2
LMV7275-Q1	LMV7275-Q1 Automotive Single 1.8-V Low Power Comparator With Rail-to-Rail Input. SC-70 package.	U6	LMV7275-Q1	LMV7275-Q1	1