

DESIGNATOR	PART NUMBER	DESCRIPTION	QUANTITY
C1	20SVP150M	Conductive Polymer Aluminum Solid Capacitors (OS-CON) 150uF ±20% 20V RADIAL SMT 10x12.6mm	1
C2	CL10F474ZA8NNNC	Cap Ceramic 470nF 25V Y5V -20/+80% Pad SMD 0603 +85°C T/R	1
C3	TPCL105M010R5000	Cap Tant 1UF 10V ±20% 0603	1
C4	CL03A104KP3NNNC	Cap Ceramic 100nF 10V X5R ±10% Pad SMD 0201 +85°C T/R	1
C5	GRM155R71C104KA88D	CAP CER 0.1UF 16V X7R 0402	1
C6, C7	GRM31CR71H475KA12L	Chip Multilayer Ceramic Capacitors for General Purpose, 1206, 4.7uF, X7R, 15%, 10%, 50V	2
C8, C9	GRM188R72A104KA35D	Chip Multilayer Ceramic Capacitors for General Purpose, 0603, 0.10uF, X7R, 15%, 10%, 100V	2
C10, C11	C0805C106K8PAC7800	CAP CER 10UF 10V X5R 0805	2
C12	CGA3E2X7R1H104K080AA	Cap Ceramic 100nF 50V X7R 10% Pad SMD 0603 +125°C Automotive T/R	1
C13	GRM1555C1H1R0CA01D	Cap Cer 1pF 50V C0G/NP0 0402	1
C14	C1608X5R1H105K080AB	Multilayer Ceramic Capacitors 1µF ±10% 50V X5R SMD 0603	1
J1, J3	IPL1-104-02-L-D-K	4 Position 2 Row .100" (2.54 mm) pitch connector	2
J2, J4, J5	20020316-H021B01LF	Screw, Terminal Block	3
L1	78438357018	FIXED IND 1.8UH 5.8A 21MOHM SMD	1
R1	CRCW04021M13FKED	RES SMD 1.13MΩ 1% 0402	1
R2, R3, R4	CRCW0402100KFKED	RES Thick Film, 100kΩ, 1%, 0.063W, 100ppm/°C, 0402	3
R5	CRCW04029K09FKED	RES Thick Film, 9.09kΩ, 1%, 0.063W, 100ppm/°C, 0402	1
U1	ADC104S021CIMMX/NOPB	4 Channel, 50 kSPS to 200 kSPS, 10-Bit A/D Converter, 10-pin Mini SOIC, Pb-Free	1
U2	LM2940CS-12/NOPB	1A Low Dropout Regulator, 3-pin TO-263, Pb-Free	1
U3	LMR33630CQRNXRQ1	3.8V to 36V, 3A synchronous step-down voltage converter, VQFN	1