

Designator	Comment	Description	Quantity
C1, C117	10uF	0805	2
C2, C4, C6, C12, C13, C16, C19, C23, C24, C27, C30, C34, C35, C38, C41, C45, C46, C49, C52, C56, C57, C60, C63, C67, C68, C71, C74, C78, C79, C82, C85, C89, C90, C94, C95, C100, C102, C104, C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116	100nF	0603	49
C3, C5, C7, C11, C22, C33, C44, C55, C66, C77, C88, C93, C101, C103, C105, C120, C121	1uF	0805	17
C8, C9, C10	10nF	0603	3
C14, C15, C17, C18, C20, C21, C25, C26, C28, C29, C31, C32, C36, C37, C39, C40, C42, C43, C47, C48, C50, C51, C53, C54, C58, C59, C61, C62, C64, C65, C69, C70, C72, C73, C75, C76, C80, C81, C83, C84, C86, C87, C91, C92	470nF	0603	44
C96, C97, C98, C99	2pF	0603	4
C118	OCV101M0JTR-0606	Capacitor Polarised	1
C119	1nF	0603	1
C122, C123	100nF	0805	2
D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, D38, D39, D40, D41, D42, D43, D44	RB521S-30	Schottky Diode	44
D45	V2PL45HM3_H	Schottky Diode	1
ENC1, ENC2, ENC3	PEC12R-4130F-S0012	Undefined or Miscellaneous	3
IC1, IC2, IC3	MCP23S17-E_SS	Integrated Circuit	3
IC4, IC5, IC6, IC7, IC8, IC9, IC10, IC11	74HC14	Integrated Circuit	8
IC12, IC13	74AHC1G32	Integrated Circuit	2
IC14, IC15, IC16	MAX7221EWG+	Integrated Circuit	3
IC17, IC18, IC19, IC20, IC21	SN74LVC2T45DCT	Integrated Circuit	5
IC22	LM3475MFX_NOPB	Integrated Circuit	1
J1	M20-9740642	Connector	1
J2	XT60PW-M	Socket, DC supply, male, PIN: 2	1
L1	NRS5040T100MMGJ	Inductor	1
LED1, LED2, LED3	TOF-F4401AMG-N	LED 0805	3
LED_D1, LED_D2, LED_D3, LED_D4, LED_FUEL0, LED_FUEL1, LED_FUEL2, LED_FUEL3, LED_FUEL4, LED_FUEL5, LED_FUEL6, LED_FUEL7, LED_FUEL8, LED_RPM0, LED_RPM1, LED_RPM2, LED_RPM3, LED_RPM4, LED_RPM5, LED_RPM6, LED_RPM7, LED_RPM8, LED_RPM9, LED_RPM10, LED_RPM11, LED_RPM12, LED_RPM13, LED_RPM14, LED_RPM15, LED_RPM16, LED_SP0, LED_SP1, LED_SP2, LED_SP3, LED_SP4, LED_SP5, LED_SP6, LED_SP7, LED_SP8, LED_SP9, LED_SP10, LED_SP11, LED_SP12, LED_SP13, LED_SP14, LED_SP15, LED_SP16, LED_SP17, LED_SP18, LED_SP19, LED_SP20, LED_SP21, LED_SP22, LED_SP23, LED_SP24	LED_0805	LED 0805	55

Q1	SI2343CDS	MOSFET (P-Channel)	1
Q2, Q5	PJL9411	MOSFET (P-Channel)	2
Q3, Q4, Q6	MMBT2222A	Integrated Circuit	3
R1, R3, R5, R148, R154, R156	10K	0603	6
R2, R4, R6, R11, R16, R21, R25, R32, R33, R40, R46, R47, R48, R49	1K	0603	14
R7, R10, R12, R13, R14, R15, R17, R18, R19, R20, R22, R26, R27, R28, R29, R30, R31, R36, R38, R39, R41	100	0603	21
R8, R9, R24, R34, R35, R37	330	0603	6
R23, R155	680	0603	2
R42, R43, R44, R45	2K7	0603	4
R50, R51, R52, R53, R54, R55, R56, R57, R61, R62, R63, R64	33	0603	12
R58, R59, R60	10K	0805	3
R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88	820	0603	24
R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100, R101, R102, R106, R107, R108, R109, R110, R111, R112, R113, R114, R115, R116, R117, R118, R119, R120, R121, R122, R123, R124, R125, R126, R127, R128, R129, R130, R131, R132, R133, R134, R135, R136, R137, R138, R139	3K3	0603	48
R103, R104, R105	560	0603	3
R140	82	0603	1
R141	4K7	0805	1
R142	1K5	0805	1
R143	33K	0603	1
R144	20K	0603	1
R145, R146, R149, R150, R151, R152	100K	0603	6
R147	650K	0603	1
RN1, RN2, RN3, RN4, RN5, RN6, RN7, RN8, RN9, RN10, RN11, RN12, RN13, RN14, RN15, RN16, RN17, RN18, RN19, RN20, RN21, RN22, RN23	10K	Resistor Network 0603 x 4	23
S1, S4, S6, S7, S8, S9, S12, S13, S14, S16, S20, S21, S22, S23, S24, S25, S30, S32, S33, S35	TS27-1-TW-Y	Switch TS27 Yellow	20
S2, S3, S11, S18, S28, S29, S31	TS27-1-TW-R	Switch TS27 Red	7
S5, S10, S15, S19, S26, S27, S34	TS27-1-TW-G	Switch TS27 Green	7
S17, S36	TS27-1-TW-U	Switch TS27 Blue	2