

Designator	Comment	Description	Quantity
C1, C117	10uF		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		49
C3, C5, C7, C11, C22, C33, C44, C55, C66, C77, C88, C93, C101, C103, C105, C120, C121	1uF		17
C8, C9, C10	10nF		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		44
C96, C97, C98, C99	2pF		4
C118	OCV101M0JTR-0606	Capacitor Polarised	1
C119	1nF		1
C122, C123	100nF		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		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	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		6
R2, R4, R6, R11, R16, R21, R25, R32, R33, R40, R46, R47, R48, R49	1K		14
R7, R10, R12, R13, R14, R15, R17, R18, R19, R20, R22, R26, R27, R28, R29, R30, R31, R36, R38, R39, R41	100		21
R8, R9, R24, R34, R35, R37	330		6
R23, R155	680		2
R42, R43, R44, R45	2K7		4
R50, R51, R52, R53, R54, R55, R56, R57, R61, R62, R63, R64	33		12
R58, R59, R60	10K		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		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		48
R103, R104, R105	560		3
R140	82		1
R141	4K7		1
R142	1K5		1
R143	33K		1
R144	20K		1
R145, R146, R149, R150, R151, R152	100K		6
R147	650K		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	23
S1, S4, S6, S7, S8, S9, S12, S13, S14, S16, S20, S21, S22, S23, S24, S25, S30, S32, S33, S35	TS27-1-TW	Switch	20
S2, S3, S11, S18, S28, S29, S31	TS27-1-TW	Switch	7
S5, S10, S15, S19, S26, S27, S34	TS27-1-TW	Switch	7
S17, S36	TS27-1-TW	Switch	2