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Mon 21 May 2018 06:58:22 AM WEST

Eeschema 4.0.7

Component Count:100

Ref	Qty	Value	Part	Footprint	Description
10k1	1	POT_TRIM	device:POT_TRIM	Potentiometers:Potentiometer_WirePads_Small	Trim-Poten
BT1	1	Battery	device:Battery	Wire_Connections_Bridges:WireConnection_2.50mmDrill_LargePad	Batte (mult cells)
C1	1	1u	device:CP1_Small	Capacitors_THT:CP_Radial_D4.0mm_P2.00mm	Polari capac
C2, C24	2	100n	device:C_Small	Capacitors_SMD:C_1206_HandSoldering	Unpo capac
C3	1	330u	device:CP1_Small	Capacitors_THT:CP_Radial_D12.5mm_P7.50mm	Polari capac
C4, C15, C16, C17	4	33n	device:C_Small	Capacitors_SMD:C_1206_HandSoldering	Unpo capac
C5, C6, C7, C8	4	1n	device:C_Small	Capacitors_SMD:C_1206_HandSoldering	Unpo capac
C9, C10	2	5.6n	device:C_Small	Capacitors_SMD:C_1206_HandSoldering	Unpo capac
C11	1	6.8n	device:C_Small	Capacitors_SMD:C_1206_HandSoldering	Unpo capac
C12, C13, C14	3	10n	device:C_Small	Capacitors_SMD:C_1206_HandSoldering	Unpo capac
C18, C19, C20	3	1u	device:C_Small	Capacitors_SMD:C_1206_HandSoldering	Unpo capac
C21, C22, C23	3	1u	device:C_Small	Capacitors_THT:C_Disc_D4.3mm_W1.9mm_P5.00mm	Unpo capac
D1	1	TL431LP	references:TL431LP	TO_SOT_Packages_THT:TO-92_Inline_Narrow_Oval	Shuni Regu TO-92
D2, D3, D4	3	IN4148	device:D	Diodes_THT:D_DO-35_SOD27_P7.62mm_Horizontal	Diode
F1	1	Fuse	device:Fuse	Fuse_Holders_and_Fuses:Fuseholder_ATO_Blade_littlefuse_Pudenz_2_Pin	Fuse,
F2	1	Fuse	device:Fuse	Fuse_Holders_and_Fuses:Fuseholder5x20_horiz_open_inline_Type-I	Fuse,
J1, J6, J9, J10	4	Conn_01x03	conn:Conn_01x03	Socket_Strips:Socket_Strip_Straight_1x03_Pitch2.54mm	Gene conn single 01x03
J2	1	Conn_01x06_Female	conn:Conn_01x06_Female	Socket_Strips:Socket_Strip_Angled_1x06_Pitch2.54mm	Gene conn single 01x06
J3, J4, J5	3	Conn_01x01	conn:Conn_01x01	Mounting_Holes:MountingHole_4.3mm_M4_Pad	Gene conn single 01x01
J7	1	Conn_01x02	conn:Conn_01x02	Socket_Strips:Socket_Strip_Straight_1x02_Pitch2.54mm	Gene conn single 01x02
J8, J11	2	Conn_01x04	conn:Conn_01x04	Socket_Strips:Socket_Strip_Straight_1x04_Pitch2.54mm	Gene conn single 01x04

JP1	1	Jumper_NC_Small	device:Jumper_NC_Small	Capacitors_Tantalum_SMD:CP_Tantalum_Case-A_EIA-3216-18_Hand	Jumper normal close
Q1, Q2, Q3, Q4, Q5, Q6	6	IRF3205	transistors:IRF3205	Power_Integrations:TO-220	50V V Id, N- Powe MOSF 220
R1, R5, R13, R14	4	220k	device:R	Resistors_SMD:R_1206_HandSoldering	Resis
R2, R6, R17	3	6.8k	device:R	Resistors_SMD:R_1206_HandSoldering	Resis
R3, R9, R20, R22, R37, R38, R39, R40, R41, R42	10	10k	device:R	Resistors_SMD:R_1206_HandSoldering	Resis
R4, R7, R10, R11, R16, R19, R29, R30	8	100k	device:R	Resistors_SMD:R_1206_HandSoldering	Resis
R8	1	4k7	device:R	Resistors_SMD:R_1206_HandSoldering	Resis
R12, R25, R27, R28	4	6k8	device:R	Resistors_SMD:R_1206_HandSoldering	Resis
R15, R26	2	8k2	device:R	Resistors_SMD:R_1206_HandSoldering	Resis
R18, R23	2	3k	device:R	Resistors_SMD:R_1206_HandSoldering	Resis
R21	1	5m	device:R	Resistors_THT:R_Axial_Power_L25.0mm_W9.0mm_P30.48mm	Resis
R24	1	330	device:R	Resistors_SMD:R_1206_HandSoldering	Resis
R31, R32, R33, R34, R35, R36	6	22	device:R	Resistors_SMD:R_1206_HandSoldering	Resis
R43	1	3.3k	device:R	Resistors_SMD:R_1206_HandSoldering	Resis
R44	1	8.2k	device:R	Resistors_SMD:R_1206_HandSoldering	Resis
U1	1	LM339	linear:LM339	Housings_DIP:DIP-14_W7.62mm_Socket	Quad Differ Comp DIP-1 14/SS Positi 35V L Regu
U2	1	L7809	regul:L7809	TO_SOT_Packages_THT:TO-220-3_Vertical	Fixed 5V, T 220/T 263/T
U3	1	MCP601-xP	linear:MCP601-xP	Housings_DIP:DIP-8_W7.62mm_Socket	Singl 6.0V Supp Op Ar DIP-8
U4, U5, U6	3	IR2110	ir:IR2110	Housings_DIP:DIP-14_W7.62mm	High Side I 200V

