

# DIGITALLY CONTROLLED ELECTRONIC LOAD BOM

## REV 1

DATE	COMPANY	COMMENT 1	COMMENT 2
2018-01-01	Andrew Lit		
COMMENT 3	COMMENT 4	TOTAL PARTS	
		60 (Unique 17)	

Ref	Qty	Value	Footprint
[C] - Capacitors			
C1	1	0.01uf	Capacitors_THT:C_Disc_D4.7mm_W2.5mm_P5.00mm
C2 C3	2	.01uf	Capacitors_THT:C_Disc_D4.7mm_W2.5mm_P5.00mm
C102 C103 C101	3	6.8uF	Capacitor_THT:CP_Radial_D8.0mm_P5.00mm
[J] -			
J3 J4	2	Conn_02x05_Odd_Even	Connector_IDC:IDC-Header_2x05_P2.54mm_Vertical
J1	1	TEST_2P	Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_Vertical
J2 J13	2	Conn_01x02	Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_Vertical
[Q] - Transistors			
Q1	1	IRF601	TO_SOT_Packages_THT:TO-220_Vertical
[R] - Resistors			
R1 R102 R103 R104 R7 R9 R11 R13 R15 R17 R19 R21 R23 R25 R27 R29 R31 R33 R35	19	1K	Resistors_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal
R2 R3 R4	3	3R3	Resistors_THT:R_Axial_DIN0516_L15.5mm_D5.0mm_P25.40mm_Horizontal
R5	1	47K	Resistors_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal
R101	1	6.8K	Resistors_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal
R6 R37 R8 R10 R12 R14 R16 R18 R20 R22 R24 R26 R28 R30 R32 R34 R36	17	2K	Resistors_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal
[U] - Semiconductors			
U1	1	LM324	Housings_DIP:DIP-16_W7.62mm_Socket_LongPads
U2	1	MSP430G2553	Housings_DIP:DIP-20_W7.62mm_Socket_LongPads
U3	1	LM7805_TO220	Power_Integrations:TO-220
U101 U5 U6	3	74HC595	Housings_DIP:DIP-16_W7.62mm_Socket_LongPads
U102	1	LM2936-3.3	TO_SOT_Packages_THT:TO-220-3_Vertical

BOM made with [KICAD BOM WIZARD](#)  
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