

Bill Of Materials

| Qty | Reference | Part |
|-----|----------------------|-----------------------------|
| 2 | R3,R7 | 3.3 KOhm |
| 1 | R6 | 120 Ohm |
| 1 | R8 | 220K |
| 3 | R10,R18,R25 | 10 KOhm |
| 2 | R11,R16 | 22 KOhm |
| 2 | R12,R13 | 47 KOhm |
| 1 | R14 | 82 Ohm |
| 1 | R17 | 270 Ohm |
| 4 | R19,R20,R21,R22 | 56 Ohm |
| 2 | R23,R24 | 270E |
| 1 | R26 | 2.7 KOhm |
| 3 | R27,R28,R29 | 220 Ohm |
| 2 | C1,Ce1 | ELCO RAD 4.700/35 |
| 2 | C2,C4 | RAD 100/35 |
| 2 | C3,C5 | RAD 1.000/16 |
| 6 | C6,C7,C8,C10,C16,C17 | 100 nF |
| 2 | C9,C13 | ELCO 10 uF |
| 2 | C14,C15 | 15 pF |
| 1 | D1 | 1N5822 / SB340 |
| 1 | D2 | SB160 / 1N5818 |
| 1 | LED1 | LED Yellow |
| 1 | LED2 | LED Green |
| 3 | LED3,LED4,LED5 | LED B-3 GN |
| 1 | T1 | BC337 |
| 1 | U1 | ATMEGA168 DIP28 with socket |
| 1 | U2 | ENC28J60 DIP28 with socket |
| 1 | U3 | LM311 with socket |
| 1 | VR1 | LM2576-12 |
| 1 | VR4 | LM317 |
| 1 | VR2 | LM2575 -3V3 |
| 1 | F1 | PFRA 300 |
| 1 | GR1 | KBU6B |
| 1 | J1 | AKL220/02 + AKL249/02 |
| 2 | J2,J3 | D-SUB BU 09EU |
| 1 | J4 | MagJack 08B0-1X1T-06-F |
| 2 | J5,J6 | MEBP 6-6S |
| 1 | ICSP1 | HEADER 3X2 |
| 5 | JP1..JP5 | 2 pin header + jumper |
| 1 | L1 | INDUCTOR FED100 |
| 1 | L2 | 77A 330 u |
| 1 | L3 | Inductor 100 uH |
| 1 | X1 | CRYSTAL 25 MHz |
| 1 | SW1 | Dip switch 3 |