| **Позиционное обозначение** | **Обозначение**  ("Part Number" "Производитель" "Описание" "Корпус") | **Кол.** | **Прим.** |
| --- | --- | --- | --- |
|  |  |  |  |
|  | *Конденсатор SMD* |  |  |
| C1, C10, C14, C20, C21, C29, C30, C37, C38, C40, C43 | GRM188R71H104K; muRata; 0.1uF 50V 10% X7R; SMD0603 | 11 |  |
| C2, C4, C6 | GRM21BR61E475M; muRata; 4.7uF 25V 20% X5R; SMD0805 | 3 |  |
| C3, C17, C23, C36, C45 | GRJ188R72A103KE11#; muRata; 10nF 100V 10% X7R; SMD0603 | 5 |  |
| C5, C12, C18, C41, C42, C44 | GRM31MR61E106M; muRata; 10uF 25V 20% X5R; SMD1206 | 6 |  |
| C7, C9, C15, C19, C33, C34, C35 | GRM188R71E105KA12; muRata; 1uF 25V 10% X7R; SMD0603 | 7 |  |
| C8 | GRM32ER71E226K; muRata; 22uF 25V 10% X7R; SMD1210 | 1 |  |
| C11, C22, C39, C46 | GRM1885C1H102JA01; muRata; 1nF 50V 5% NP0; SMD0603 | 4 |  |
| C13, C16, C24, C25, C26, C27, C28, C47 | GRM1885C2A101JA01; muRata; 100pF 100V 5% NP0; SMD0603 | 8 |  |
| C31, C32 | GRM216R72A103MAC4#; muRata; 10nF 100V 20% X7R; SMD0805 | 2 |  |
|  |  |  |  |
|  | *Микросхема* |  |  |
| DA1 | ADS8684AIDBT; Texas Instruments; 16-bit 500ksps ADC with MUX; TSSOP-38 | 1 |  |
| DA2 | AD822AR; Analog Device; 2xOp Ampl Rail FET 30V; SO-8 | 1 |  |
| DA3, DA6 | INA200AIDGK; Texas Instruments; Current-Shunt Monitor Ref G=20; MSOP-8 | 2 |  |
| DA4 | TPS60400DBV; Texas Instruments; Inverter Charge Pump 60mA; SOT-23-5 | 1 |  |
| DD1, DD3 | ADUM3201ARZ; Analog Device; 2/1xDigital Isolator 10Mbps; SO-8 | 2 |  |
| DD2 | ADUM3401BRWZ; Analog Device; 3/1xDigital Isolator 10Mbps ESD; WSO-16 | 1 |  |
|  |  |  |  |
|  | *Преобразователь DC-DC* |  |  |
| DA5 | TMV 1205S; TRACO POWER; 1W 12 to 5VDC 200mA 3kViso; SIP-7 | 1 |  |
|  |  |  |  |
|  | *Дроссель SMD* |  |  |
| L1 | DLW5BSM302SQ2; muRata; 3000R (100MHz) 0.5A 0.3R common mode; SMD | 1 |  |
|  |  |  |  |
|  | *Резистор SMD* |  |  |
| R1, R3, R9, R12, R13, R15, R22, R23 | CRCW0805390RFK; VISHAY; 390R +-1%; SMD0805 | 8 |  |
| R2 | CRCW08051K00FK; VISHAY; 1K +-1%; SMD0805 | 1 |  |
| R4, R7 | CRCW06031K00FK; VISHAY; 1K +-1%; SMD0603 | 2 |  |
| R5, R10 | CRCW06030000Z0; VISHAY; 0R; SMD0603 | 2 |  |
| R6, R14, R25 | CRCW0805200KFK; VISHAY; 200K +-1%; SMD0805 | 3 |  |
| R8, R11 | CRCW12066K81FK; VISHAY; 6K81 +-1%; SMD1206 | 2 |  |
| R16 | CRCW08051K2FK; VISHAY; 1K2 +-1%; SMD0805 | 1 |  |
| R17, R21 | CRCW08052K20FK; VISHAY; 2K2 +-1%; SMD0805 | 2 |  |
| R18 | CRCW080549R9FK; VISHAY; 49R9 +-1%; SMD0805 | 1 |  |
| R19, R24 | CRCW0805680KFK; VISHAY; 680K +1%; SMD0805 | 2 |  |
| R20, R26 | CRCW0805130KFK; VISHAY; 130K +-1%; SMD0805 | 2 |  |
|  |  |  |  |
|  |  |  |  |
|  | *Резисторная сборка SMD* |  |  |
| RN1, RN2 | CRA06S083100RF; VISHAY; 4x100R +-1%; SMD | 2 |  |
|  |  |  |  |
|  | *Диод шоттки SMD* |  |  |
| VD1, VD3 | NSR0320MW2T1G; ON SEMICONDUCTOR; Vr=20V If=1A; SOD-323 | 2 |  |
|  |  |  |  |
|  | *Стабилитрон SMD* |  |  |
| VD2, VD4 | BZV55-B5V6; NXP; 0.5W Vz=5.6V +-2%; SOD80C | 2 |  |
|  |  |  |  |
|  | *Светодиод SMD* |  |  |
| VD5, VD6 | LL-S172SC-2S; Lucky Light; Красный 640нм 2x1.25мм; SMD0805 | 2 |  |
|  |  |  |  |
|  | *Транзистор SMD* |  |  |
| 'VT1, VT2 | PDTC114ET; NXP; NPN Vce=50V Ic=0.1A 10k; SOT-23 | 2 |  |
|  |  |  |  |
|  | *Вилка* |  |  |
| X1 | 22-28-9080; Molex; KK254 42377 угловой 8 конт LS=2.54 4A 250VDC PCB; | 1 |  |
| X2 | 53313-1265; Molex; Mi II 12 конт (6конт x 2) LS=2 2A 125V PCB; | 1 |  |
|  |  |  |  |