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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Поз. обознач.* | | Наименование | | | | *Кол.* | | | | *Примечание* | |
|  | | *Микроконтроллер* | | | |  | | | |  | |
| ATmega328 | | MCU 8-bit ATmega AVR RISC 32KB Flash  2.5V/3.3V/5V 32-PIN TQFP | | | | 1 | | | |  | |
|  | |  | | | |  | | | |  | |
|  | | *Конденсатор* | | | |  | | | |  | |
| С1 | | X7R-47нФ-50В±10% | | | | 1 | | | |  | |
|  | |  | | | |  | | | |  | |
|  | | *Программатор* | | | |  | | | |  | |
| ISP | | USB ISP 5В 12МГц | | | | 1 | | | |  | |
|  | |  | | | |  | | | |  | |
|  | | *Резистор* | | | |  | | | |  | |
| R1 | | SMD0805-0,125Вт-5,1кОм ±1% | | | | 1 | | | |  | |
|  | |  | | | |  | | | |  | |
|  | | *USB-кабель* | | | |  | | | |  | |
| USB | | USB 3.0 5-5В-480М/бит | | | | 1 | | | |  | |
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|  |  |  |  |  | ГГТУ.1-53.01.07.41.16 ПЭ3 | | | | | | |
|  |  |  |  |  |
| Изм | Лист | *N докум.* | *Подп.* | Дата |
| *Разраб.* | | Растрепин |  |  | *Электрическая принципиальная схема. Перечень элементов* | *Лит.* | | | Лист | | Листов |
| *Пров.* | | Сахарук |  |  |  |  |  | *1* | | *1* |
|  | |  |  |  | ИС-41.16 | | | | | |
| *Н. Контр.* | | Захаренко |  |  |
| Утв | | Крышнев |  |  |