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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Формат*** | ***Зона*** | ***Поз.*** | | ***Обозначение*** | | | | ***Наименование*** | | | | | ***кол.*** | ***Примеч.*** | |
|  |  |  | |  | | | |  | | | | |  |  | |
|  |  |  | |  | | | | *Документация* | | | | |  |  | |
|  |  |  | |  | | | |  | | | | |  |  | |
| *A1* |  |  | | *ГУИР.421457.001 СБ* | | | | *Сборочный чертеж* | | | | | *1* |  | |
| *A1* |  |  | | *ГУИР.758724.001 ЭЗ* | | | | *Схема электрическая принципиальная* | | | | | *1* |  | |
| *A4* |  |  | | *ГУИР.758724.001 ПЭЗ* | | | | *Перечень элементов* | | | | | *1* | *2 c.* | |
| *БЧ* |  |  | | *ГУИР.758724.001 Д1* | | | | *Технологическая схема сборки* | | | | | *1* |  | |
|  |  |  | |  | | | |  | | | | |  |  | |
|  |  |  | |  | | | | *Детали* | | | | |  |  | |
|  |  |  | |  | | | |  | | | | |  |  | |
| *А1* |  | *1* | | *ГУИР.758724.001* | | | | *Плата печатная* | | | | | *1* |  | |
|  |  |  | |  | | | |  | | | | |  |  | |
|  |  |  | |  | | | | *Прочие изделия* | | | | |  |  | |
|  |  |  | |  | | | |  | | | | |  |  | |
|  |  | *2* | |  | | | | *Динамик пьезоэлектрический CVS-3108* | | | | | *1* | *BA1* | |
|  |  |  | |  | | | |  | | | | |  |  | |
|  |  |  | |  | | | | *Конденсаторы* | | | | |  |  | |
|  |  |  | |  | | | |  | | | | |  |  | |
|  |  | *3* | |  | | | | *YAGEO 47нФ 1608 50В* | | | | | *2* | *C1, C2* | |
|  |  | *4* | |  | | | | *YAGEO 100 пФ 1608 50 В* | | | | | *4* | *C3,C4,C9,C10* | |
|  |  | *5* | |  | | | | *YAGEO 22 пФ 1608 50 В* | | | | | *4* | *C5,C6,C8,C11* | |
|  |  | *6* | |  | | | | *YAGEO 10 мкФ 1608 50 В* | | | | | *5* | *C7* | |
|  |  |  | |  | | | |  | | | | |  |  | |
|  |  |  | |  | | | | *Схемы интегральные аналоговые* | | | | |  |  | |
|  |  |  | |  | | | |  | | | | |  |  | |
|  |  | *7* | |  | | | | *ON Semiconductor NCP1117ST50T3G* | | | | | *1* | *DA1* | |
|  |  | *8* | |  | | | | *ST Microelectronics LM358D* | | | | | *1* | *DA2* | |
|  |  |  | |  | | | |  | | | | |  |  | |
|  |  | |  | |  |  | *ГУИР.425723.001* | | | | | | | | |  |
|  |  | |  | |  |  |  |
| *Изм* | *Лист* | | *№ докум* | | *Подп.* | *Дата* |  |
| *Разраб.* | | | *Шостко* | |  |  | *Плата* | | *Лит* | | | *Лист* | | *Листов* | |
| *Пров.* | | | *Смирнова* | |  |  |  | *Т* |  | *1* | | *2* | |
| *Т.контр.* | | | *Смирнова* | |  |  | *ЭВС, гр. 750701* | | | | | | |
| *Н. Контр* | | | *Лихачёв* | |  |  |
| *Утв.* | | | *Азаров* | |  |  |
| ***Формат*** | ***Зона*** | ***Поз.*** | | ***Обозначение*** | | | | ***Наименование*** | | | | | ***кол.*** | ***Примеч.*** | |
|  |  |  | |  | | | |  | | | | |  |  | |
|  |  |  | |  | | | | *Схемы интегральные цифровые* | | | | |  |  | |
|  |  |  | |  | | | |  | | | | |  |  | |
|  |  | *9* | |  | | | | *ON Semiconductor CH340* | | | | | *1* | *DD1* | |
|  |  | *10* | |  | | | | *Texas Insturments PCF8574N* | | | | | *1* | *DD2* | |
|  |  | *11* | |  | | | | *Atmel ATMEGA328P-AU* | | | | | *1* | *DD3* | |
|  |  |  | |  | | | |  | | | | |  |  | |
|  |  | *12* | |  | | | | *Дисплей LCD 20-4B* | | | | | *1* | *HL1* | |
|  |  |  | |  | | | |  | | | | |  |  | |
|  |  | *13* | |  | | | | *Датчик расстояния HC-SR04* | | | | | *1* | *PS1* | |
|  |  |  | |  | | | |  | | | | |  |  | |
|  |  |  | |  | | | | *Резисторы* | | | | |  |  | |
|  |  |  | |  | | | |  | | | | |  |  | |
|  |  | *14* | |  | | | | *Чип Samsung 1608 – 10 кОм ± 5%* | | | | | *4* | *R1,R2,R3,R5* | |
|  |  | *15* | |  | | | | *Чип Samsung 1608 – 1 кОм ± 5%* | | | | | *7* | *R4,R6,R8..R12* | |
|  |  | *16* | |  | | | | *Чип Samsung 1608 – 1 МОм ± 5%* | | | | | *1* | *R7* | |
|  |  |  | |  | | | |  | | | | |  |  | |
|  |  |  | |  | | | | Диоды | | | | |  |  | |
|  |  |  | |  | | | |  | | | | |  |  | |
|  |  | *17* | |  | | | | Motorola HEPR0056RT, 5.1 ± 5% В, 200 мВт | | | | | *1* | *VD1* | |
|  |  | *18* | |  | | | | CREE CLA1A-WKW-CXAYB153, 5В , 100мA | | | | | *6* | *VD2..VD7* | |
|  |  |  | |  | | | |  | | | | |  |  | |
|  |  |  | |  | | | | Разъемы | | | | |  |  | |
|  |  |  | |  | | | |  | | | | |  |  | |
|  |  | *19* | |  | | | | CUI Devices PJ-038B | | | | | *1* | XS1 | |
|  |  | *20* | |  | | | | *SAMTEC USB-A-S-F-B-SM2* | | | | | *1* | *XS2* | |
|  |  | *21* | |  | | | | *Olimex PIC-ICSP* | | | | | *1* | *XS3* | |
|  |  | *22* | |  | | | | *SAMTEC TW-02-03-T-D-335-100* | | | | | *4* | *XS4..XS7* | |
|  |  | *23* | |  | | | | *SAMTEC TW-03-12-L-S-765-200* | | | | | *1* | *XS8* | |
|  |  |  | |  | | | |  | | | | |  |  | |
|  |  | *24* | |  | | | | *Кварцевый резонатор ABM3-16.000MHZ-B4Y-T* | | | | | *2* | *ZQ1..ZQ2* | |
|  | | |  | |  |  | *ГУИР.425724.001* | | | | | | | | *Лист* |
|  | | |  | |  |  | *2* |
| *Изм* | | | *Лист* | | *№ докум* | *Подп.* |