|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  | A1 | Модуль питания SCW08C-05 | 1 | MEAN WELL |
|  |  |  |  |  |
|  |  | Конденсаторы |  |  |
|  |  |  |  |  |
|  | C1-C4 | 0603-1000 пФ±10%-100В-X7R | 4 | YAGEO  CC0603KRX7R0BB102 |
|  | C5 | 1206-1000 пФ±20%-2000В-X7R | 1 | YAGEO  CC1206MKX7RDBB102 |
|  | C6-C13 | 0603-0,1 мкФ±10%-50В-X7R | 8 | YAGEO  CC0603KPX7R9BB104 |
|  | C14, C15 | 0603-1 мкФ±10%-50В-X5R | 2 | YAGEO  CC0603KPX7R9BB104 |
|  | C16 | 0805-0,1 мкФ±10%-100В-X7R | 1 | YAGEO  CC0805KKX7R0BB104 |
|  | C17 | 0603-0,1 мкФ±10%-50В-X7R | 1 | YAGEO  CC0603KPX7R9BB104 |
|  | C18 | 0603-10,0 мкФ±20%-6,3В-X5R | 1 | YAGEO  CC0603MRX5R5BB106 |
|  | C19 | 0603-0,01 мкФ±10%-50В-X7R | 1 | YAGEO  CC0603KPX7R9BB103 |
|  | C20 | 0603-0,1 мкФ±10%-50В-X7R | 1 | YAGEO  CC0603KPX7R9BB104 |
|  | C21 | 47 мкФ±10%-10В, тип B | 1 | AVX  TAJB476K010RNJ |
|  | C22, C23 | 0603-0,01 мкФ±10%-50В-X7R | 2 | YAGEO  CC0603KPX7R9BB103 |
|  | C24 | 0603-0,1 мкФ±10%-50В-X7R | 1 | YAGEO  CC0603KPX7R9BB104 |
|  | C25 | 0603-0,01 мкФ±10%-50В-X7R | 1 | YAGEO  CC0603KPX7R9BB103 |
|  | C26, C27 | 0603-4700 пФ±10%-50В-X7R | 2 | YAGEO  CC0603KPX7R9BB472 |
|  | C28 | 0603-1 мкФ±10%-50В-X5R | 1 | YAGEO  CC0603KPX7R9BB104 |
|  | C29 | 0603-10,0 мкФ±20%-6,3В-X5R | 1 | YAGEO  CC0603MRX5R5BB106 |
|  | C30 | 0603-1 мкФ±10%-50В-X5R | 1 | YAGEO  CC0603KPX7R9BB104 |
|  |  |  |  |  |
|  |  |  |  |  |
|  | C31 | 0603-100 пФ±10%-50В-X7R | 1 | YAGEO  CC0603KPX7R9BB101 |
|  | C32, C33 | 0603-0,1 мкФ±10%-50В-X7R | 2 | YAGEO  CC0603KPX7R9BB104 |
|  | C34 | 0603-1 мкФ±10%-50В-X5R | 1 | YAGEO  CC0603KPX7R9BB104 |
|  | C35 | 0603-100 пФ±10%-50В-X7R | 1 | YAGEO  CC0603KPX7R9BB101 |
|  | C36 | 0603-1 мкФ±10%-50В-X5R | 1 | YAGEO  CC0603KPX7R9BB104 |
|  | C37-C43 | 0603-0,1 мкФ±10%-50В-X7R | 7 | YAGEO  CC0603KPX7R9BB104 |
|  | C44, C45 | 0603-2,2 мкФ±10%-50В-X5R | 2 | YAGEO  CC0603KRX5R5BB225 |
|  | C46-C48 | 0603-0,1 мкФ±10%-50В-X7R | 3 | YAGEO  CC0603KPX7R9BB104 |
|  | C49-C51 | 0603-10,0 мкФ±20%-6,3В-X5R | 3 | YAGEO  CC0603MRX5R5BB106 |
|  | C52, C53 | 0603-0,1 мкФ±10%-50В-X7R | 2 | YAGEO  CC0603KPX7R9BB104 |
|  | C54 | 0603-10,0 мкФ±20%-6,3В-X5R | 1 | YAGEO  CC0603MRX5R5BB106 |
|  | C55 | 0603-0,1 мкФ±10%-50В-X7R | 1 | YAGEO  CC0603KPX7R9BB104 |
|  | C56, C57 | 0603-10,0 мкФ±20%-6,3В-X5R | 2 | YAGEO  CC0603MRX5R5BB106 |
|  | C58-C61 | 0603-0,1 мкФ±10%-50В-X7R | 4 | YAGEO  CC0603KPX7R9BB104 |
|  | C62, C63 | 0603-6,2 пФ±0,25пФ-50В-NP0 | 2 | YAGEO  CC0603CRNPO9BN6R2 |
|  | C64-C90 | 0603-0,1 мкФ±10%-50В-X7R | 27 | YAGEO  CC0603KPX7R9BB104 |
|  | C91 | 22 мкФ±20%-100В, 10x10 | 1 | YAGEO  CA100M0022REG-1010 |
|  | C92-C94 | 0805-0,1 мкФ±10%-100В-X7R | 3 | YAGEO  CC0805KKX7R0BB104 |
|  | C95-C97 | 0603-10,0 мкФ±20%-6,3В-X5R | 3 | YAGEO  CC0603MRX5R5BB106 |
|  | C98-102 | 0603-0,1 мкФ±10%-50В-X7R | 5 | YAGEO  CC0603KPX7R9BB104 |
|  | C103 | 100 мкФ±20%-6,3В, 6,3x5,4 | 1 | YAGEO  CA006M0100RED-0605 |
|  | C104 | 0603-0,1 мкФ±10%-50В-X7R | 1 | YAGEO  CC0603KPX7R9BB104 |
|  |  |  |  |  |
|  |  | Микросхемы |  |  |
|  |  |  |  |  |
|  | D1 | STM32H753IIT6 | 1 | ST  Microelectronics |
|  | D2, D3 | IS61LV25616AL-10TLI | 2 | ISSI |
|  |  |  |  |  |
|  |  |  |  |  |
|  | D4 | M24M01-RMN6TP | 1 | ST  Microelectronics |
|  | D5 | DP83848IVV | 1 | Texas  Instruments |
|  | D6 | TLV320AIC3254-Q1 | 1 | Texas Instruments  6PAIC3254IRHBRQ1 |
|  | D7 | MAX3221EAE+ | 1 | Maxim  Semiconductor |
|  | D8, D9 | SN74HC14D | 2 | Texas  Instruments |
|  | D10 | TPS2375D | 1 | Texas  Instruments |
|  | D11 | LMV358ID | 1 | Texas  Instruments |
|  | D12 | LM4871M | 1 | Texas  Instruments |
|  | D13 | LM1117IDTX-3.3 | 1 | Texas  Instruments |
|  |  |  |  |  |
|  | H1-H7 | Светодиод BL-LS0805UHR | 7 | Betlux |
|  |  |  |  |  |
|  | K1 | Реле V23105A5307A201 | 1 | TYCO |
|  |  |  |  |  |
|  | L1, L2 | Индуктивность 1210-1,0 мкГн±20% | 2 | MURATA  LQH32CN1R0M33L |
|  |  |  |  |  |
|  |  | Резисторы |  |  |
|  |  |  |  |  |
|  | R1 | 0603-220 Ом±5% | 1 | YAGEO  RC0603JR-07220RL |
|  | R2-R5 | 0603-75 Ом±5% | 4 | YAGEO  RC0603JR-0775RL |
|  | R6-R9 | 0603-49,9 Ом±1% | 1 | YAGEO  RC0603FR-0749R9L |
|  | R10 | 0603-3,3 кОм±5% | 1 | YAGEO  RC0603JR-073K3L |
|  | R11 | 0603-1 кОм±5% | 1 | YAGEO  RC0603JR-071KL |
|  | R12-R17 | 0603-330 Ом±5% | 6 | YAGEO  RC0603JR-07330RL |
|  | R18-R24 | 0603-220 Ом±5% | 7 | YAGEO  RC0603JR-07220RL |
|  | R25 | 0603-1 кОм±5% | 1 | YAGEO  RC0603JR-071KL |
|  | R26-R29 | 0603-3,3 кОм±5% | 4 | YAGEO  RC0603JR-073K3L |
|  |  |  |  |  |
|  |  |  |  |  |
|  | R30, R31 | 0603-1,8 кОм±5% | 2 | YAGEO  RC0603JR-071K8L |
|  | R32-R65 | 0603-3,3 кОм±5% | 34 | YAGEO  RC0603JR-073K3L |
|  | R66 | 0603-4,87 кОм±1% | 1 | YAGEO  RC0603FR-074K87L |
|  | R67 | 0603-1 кОм±5% | 1 | YAGEO  RC0603JR-071KL |
|  | R68 | 0603-0 Ом±5% | 1 | YAGEO  RC0603JR-070RL |
|  | R69, R70 | 0603-3,3 кОм±5% | 2 | YAGEO  RC0603JR-073K3L |
|  | R71 | 0603-24,9 кОм±1% | 1 | YAGEO  RC0603FR-0724K9L |
|  | R72 | 0603-178 кОм±1% | 1 | YAGEO  RC0603FR-07178KL |
|  | R73 | 0603-357 Ом±1% | 1 | YAGEO  RC0603FR-07357RL |
|  | R74 | 0603-2 кОм±5% | 1 | YAGEO  RC0603JR-072KL |
|  | R75 | 0603-1 кОм±5% | 1 | YAGEO  RC0603JR-071KL |
|  | R76 | 0603-2 кОм±5% | 1 | YAGEO  RC0603JR-072KL |
|  | R77, R78 | 0603-2,2 кОм±5% | 2 | YAGEO  RC0603JR-072K2L |
|  | R79, R80 | 0603-2 кОм±5% | 2 | YAGEO  RC0603JR-072KL |
|  | R81 | 0603-100 кОм±5% | 1 | YAGEO  RC0603JR-07100KL |
|  | R82 | 0603-240 Ом±5% | 1 | YAGEO  RC0603JR-07240RL |
|  | R83, R84 | 0603-2,2 кОм±5% | 2 | YAGEO  RC0603JR-072K2L |
|  | R85 | 0603-1 кОм±5% | 1 | YAGEO  RC0603JR-071KL |
|  | R86 | 0603-3 кОм±5% | 1 | YAGEO  RC0603JR-073KL |
|  | R87-R89 | 0603-2 кОм±5% | 3 | YAGEO  RC0603JR-072KL |
|  | R90 | 0603-1 МОм±5% | 1 | YAGEO  RC0603JR-071ML |
|  | R91 | 0603-5,6 кОм±5% | 1 | YAGEO  RC0603JR-075K6L |
|  | R92 | 0603-470 кОм±5% | 1 | YAGEO  RC0603JR-07470KL |
|  | R93 | 0603-10 кОм±5% | 1 | YAGEO  RC0603JR-0710KL |
|  | R94 | 0603-91 кОм±5% | 1 | YAGEO  RC0603JR-0791KL |
|  | R95, R96 | 0603-51 кОм±5% | 2 | YAGEO  RC0603JR-0751KL |
|  | R97 | 0603-100 Ом±5% | 1 | YAGEO  RC0603JR-07100RL |
|  |  |  |  |  |
|  |  |  |  |  |
|  | R98 | 0603-51 кОм±5% | 1 | YAGEO  RC0603JR-0751KL |
|  | R99 | 0603-15 кОм±5% | 1 | YAGEO  RC0603JR-0715KL |
|  | R100 | 0603-10 кОм±5% | 1 | YAGEO  RC0603JR-0710KL |
|  | R101-R104 | 0603-6,8 кОм±5% | 4 | YAGEO  RC0603JR-076K8L |
|  | R105, R106 | 0805-0 Ом±5% | 2 | YAGEO  RC0805JR-070RL |
|  | R107 | 0603-1 Ом±5% | 1 | YAGEO  RC0603JR-071RL |
|  |  |  |  |  |
|  | S1, S2 | Кнопка тактовая DTSM-32 | 2 | DIPTRONICS |
|  |  |  |  |  |
|  | T1 | Трансформатор SM13126PEL | 1 | BOURNS |
|  | T2, T3 | Трансформатор SM-LP-5001 | 2 | BOURNS |
|  |  |  |  |  |
|  | V1 | Диодная сборка SP3002 | 1 | Littelfuse |
|  | V2 | Транзистор BC850.215 | 1 | NXP |
|  | V3-V8 | Оптопрерыватель OPB620 | 6 | TT Electronics |
|  | V9 | Оптопара HCPL-181-06AE | 1 | Broadcom |
|  | V10, V11 | Диод LL4148 | 2 | Vishay |
|  | V12 | Супрессор SMBJ58CA-TR | 1 | ST  Microelectronics |
|  | V13, V14 | Диодный мост MB6S | 2 | Kingtronics |
|  | V15, V16 | Диод LL4002 | 2 | Vishay |
|  | V17-V19 | Диод LL4148 | 3 | Vishay |
|  | V20-V22 | Транзистор BC848B.215 | 3 | NXP |
|  |  |  |  |  |
|  | X1 | Розетка 09 45 551 1103 | 1 | Harting |
|  | X2 | Вилка DPBS-9M-BRJ | 1 | Connfly |
|  | X3 | Розетка KLS2-141V-2.54-02P 4 | 1 | Dragon City  Industries |
|  | X4 | Розетка KLS2-142V-5.08-02P 4 | 1 | Dragon City  Industries |
|  |  |  |  |  |
|  |  |  |  |  |
|  | X5 | Вилка SCM-26 | 1 | Connfly |
|  | X6 | Вилка SCM-10 | 1 | Connfly |
|  | X7 | Вилка IDC-10MS | 1 | CONNFLY |
|  |  |  |  |  |
|  | Z1 | Резонатор кварцевый KX-3HT HC-49/U8H 25MHz±30ppm | 1 | Geyer  Electronic |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

| Изм. | Номера листов (страниц) | | | | Всего листов (страниц) в документе | №  докум. | Входящий № сопроводительного докум. и дата | Подпись | Дата |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| измененных | замененных | новых | аннулированных |
|
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |