| *Формат* | *Зона* | *Поз.* | *Поз. обозначение* | *Наименование* | *Кол.* | *Примечание* |
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|  |  |  |  | *Устройства* |  |  |
|  |  |  |  |  |  |  |
|  |  | *20* |  | *VTDU31PI004G-100,* |  |  |
|  |  |  |  | *SSD 4GB EUSB SLC,* |  |  |
|  |  |  |  | *Virtium Technology Inc* | *1* | *A1* |
|  |  |  |  |  |  |  |
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|  |  |  |  | *Конденсаторы* |  |  |
|  |  |  |  |  |  |  |
|  |  | *22* |  | *C2012X5R0J476M125AC,* |  |  |
|  |  |  |  | *CAP CER 47UF 6.3V X5R 0805, TDK* | *41* | *C107, C108,* |
|  |  |  |  |  |  | *C161,* |
|  |  |  |  |  |  | *C185...C187,* |
|  |  |  |  |  |  | *C191...C193,* |
|  |  |  |  |  |  | *C253...C274,* |
|  |  |  |  |  |  | *C279,* |
|  |  |  |  |  |  | *C307...C310,* |
|  |  |  |  |  |  | *C449...C451,* |
|  |  |  |  |  |  | *C849, C850* |
|  |  |  |  |  |  |  |
|  |  | *24* |  | *GRM1555C1H101JA01D,* |  |  |
|  |  |  |  | *CAP, CER, 100pF, 50V, C0G, 0402,* |  |  |
|  |  |  |  | *Murata* | *2* | *C114, C414* |
|  |  |  |  |  |  |  |
|  |  | *26* |  | *GRM1555C1H102JA01D,* |  |  |
|  |  |  |  | *CAP, CER, 1000pF, 50V, C0G, 0402,* |  |  |
|  |  |  |  | *Murata* | *23* | *C44, C81...C84,* |
|  |  |  |  |  |  | *C86, C119, C131,* |
|  |  |  |  |  |  | *C417, C477,* |
|  |  |  |  |  |  | *C552, C637,* |
|  |  |  |  |  |  | *C669, C727,* |
|  |  |  |  |  |  | *C763,* |
|  |  |  |  |  |  | *C766...C772, C838* |
|  |  |  |  |  |  |  |
|  |  | *28* |  | *GRM1555C1H331JA01D,* |  |  |
|  |  |  |  | *CAP, CER, 330pF, 50V, C0G, 0402,* |  |  |
|  |  |  |  | *Murata* | *2* | *C120, C416* |
|  |  |  |  |  |  |  |
|  |  | *30* |  | *GRM1555C1H561JA01D,* |  |  |
|  |  |  |  | *CAP, CER, 560pF, 50V, C0G, 0402,* |  |  |
|  |  |  |  | *Murata* | *5* | *C137...C139,* |
|  |  |  |  |  |  | *C148, C689* |
|  |  |  |  |  |  |  |
|  |  | *32* |  | *GRM1555C1H681JA01D,* |  |  |
|  |  |  |  | *CAP, CER, 680pF, 50V, C0G, 0402,* |  |  |
|  |  |  |  | *Murata* | *1* | *C149* |
|  |  |  |  |  |  |  |
|  |  | *34* |  | *GRM1555C1H821JA01D,* |  |  |
|  |  |  |  | *CAP, CER, 820pF, 50V, C0G, 0402,* |  |  |
|  |  |  |  | *Murata* | *1* | *C167* |
|  |  |  |  |  |  |  |
|  |  | *36* |  | *GRM1555C1H8R0DA01D,* |  |  |
|  |  |  |  | *CAP, CER, 8pF, 50V, C0G, 0402,* |  |  |
|  |  |  |  | *Murata* | *2* | *C680, C681* |
|  |  |  |  |  |  |  |
|  |  | *38* |  | *GRM155R61A105K,* |  |  |
|  |  |  |  | *CAP, CER, 1uF, 10V, X5R, 0402,* |  |  |
|  |  |  |  | *Murata* | *94* | *C5, C48, C65,* |
|  |  |  |  |  |  | *C67...C75,* |
|  |  |  |  |  |  | *C78...C80, C115,* |
|  |  |  |  |  |  | *C117, C126,* |
|  |  |  |  |  |  | *C128, C134,* |
|  |  |  |  |  |  | *C135, C171,* |
|  |  |  |  |  |  | *C203...C207,* |
|  |  |  |  |  |  | *C311, C366,* |
|  |  |  |  |  |  | *C367, C379,* |
|  |  |  |  |  |  | *C423...C427,* |
|  |  |  |  |  |  | *C429,* |
|  |  |  |  |  |  | *C452...C462,* |
|  |  |  |  |  |  | *C471...C473,* |
|  |  |  |  |  |  | *C522...C545,* |
|  |  |  |  |  |  | *C638, C639,* |
|  |  |  |  |  |  | *C666,* |
|  |  |  |  |  |  | *C677...C679,* |
|  |  |  |  |  |  | *C682, C683,* |
|  |  |  |  |  |  | *C687, C688,* |
|  |  |  |  |  |  | *C732...C737,* |
|  |  |  |  |  |  | *C746...C748* |
|  |  |  |  |  |  |  |
|  |  | *40* |  | *GRM155R61A474KE15J,* |  |  |
|  |  |  |  | *CAP, CER, 0.47uF, 10V, X5R, 0402,* |  |  |
|  |  |  |  | *Murata* | *75* | *C553...C624,* |
|  |  |  |  |  |  | *C728, C781, C782* |
|  |  |  |  |  |  |  |
|  |  | *42* |  | *GRM155R71C104KA88D,* |  |  |
|  |  |  |  | *CAP, CER, 0.1uF, 16V, X7R, 0402,* |  |  |
|  |  |  |  | *Murata* | *318* | *C3, C4,* |
|  |  |  |  |  |  | *C8...C10,* |
|  |  |  |  |  |  | *C12...C37,* |
|  |  |  |  |  |  | *C39...C43,* |
|  |  |  |  |  |  | *C45...C47,* |
|  |  |  |  |  |  | *C49...C55, C66,* |
|  |  |  |  |  |  | *C88, C89, C101,* |
|  |  |  |  |  |  | *C102, C109,* |
|  |  |  |  |  |  | *C110, C113,* |
|  |  |  |  |  |  | *C121, C122,* |
|  |  |  |  |  |  | *C124, C125,* |
|  |  |  |  |  |  | *C129, C130,* |
|  |  |  |  |  |  | *C155, C158,* |
|  |  |  |  |  |  | *C162, C169,* |
|  |  |  |  |  |  | *C170,* |
|  |  |  |  |  |  | *C182...C184,* |
|  |  |  |  |  |  | *C194...C200,* |
|  |  |  |  |  |  | *C290...C306,* |
|  |  |  |  |  |  | *C380...C400,* |
|  |  |  |  |  |  | *C409,* |
|  |  |  |  |  |  | *C419...C422,* |
|  |  |  |  |  |  | *C428,* |
|  |  |  |  |  |  | *C430...C448,* |
|  |  |  |  |  |  | *C463,* |
|  |  |  |  |  |  | *C468...C470,* |
|  |  |  |  |  |  | *C478...C517,* |
|  |  |  |  |  |  | *C647...C651,* |
|  |  |  |  |  |  | *C653...C659,* |
|  |  |  |  |  |  | *C667, C668,* |
|  |  |  |  |  |  | *C670...C676,* |
|  |  |  |  |  |  | *C684, C685,* |
|  |  |  |  |  |  | *C690,* |
|  |  |  |  |  |  | *C692...C723,* |
|  |  |  |  |  |  | *C726,* |
|  |  |  |  |  |  | *C729...C731,* |
|  |  |  |  |  |  | *C738...C744,* |
|  |  |  |  |  |  | *C764, C765,* |
|  |  |  |  |  |  | *C773...C780,* |
|  |  |  |  |  |  | *C784...C787,* |
|  |  |  |  |  |  | *C793...C837,* |
|  |  |  |  |  |  | *C839...C848* |
|  |  |  |  |  |  |  |
|  |  | *44* |  | *GRM155R71E103KA01D,* |  |  |
|  |  |  |  | *CAP, CER, 0.01uF, 25V, X7R, 0402,* |  |  |
|  |  |  |  | *Murata* | *19* | *C59, C60, C116,* |
|  |  |  |  |  |  | *C153, C154,* |
|  |  |  |  |  |  | *C176,* |
|  |  |  |  |  |  | *C233...C237,* |
|  |  |  |  |  |  | *C364, C365,* |
|  |  |  |  |  |  | *C406, C474,* |
|  |  |  |  |  |  | *C664, C665,* |
|  |  |  |  |  |  | *C790, C791* |
|  |  |  |  |  |  |  |
|  |  | *46* |  | *GRM155R71E153KA61D,* |  |  |
|  |  |  |  | *CAP, CER, 0.015uF, 25V, X7R, 0402,* |  |  |
|  |  |  |  | *Murata* | *3* | *C118, C415, C783* |
|  |  |  |  |  |  |  |
|  |  | *48* |  | *GRM155R71H152KA01D,* |  |  |
|  |  |  |  | *CAP, CER, 1500pF, 50V, X7R, 0402,* |  |  |
|  |  |  |  | *Murata* | *1* | *C127* |
|  |  |  |  |  |  |  |
|  |  | *50* |  | *GRM188R61E225KA12D,* |  |  |
|  |  |  |  | *CAP CER 2.2UF 25V X5R 0603,* |  |  |
|  |  |  |  | *Murata* | *9* | *C188...C190,* |
|  |  |  |  |  |  | *C275...C278,* |
|  |  |  |  |  |  | *C281, C762* |
|  |  |  |  |  |  |  |
|  |  | *52* |  | *GRM188R61E475KE11D,* |  |  |
|  |  |  |  | *CAP CER 4.7UF 25V X7R 0603,* |  |  |
|  |  |  |  | *Murata* | *37* | *C38, C87,* |
|  |  |  |  |  |  | *C90...C97, C111,* |
|  |  |  |  |  |  | *C112, C123,* |
|  |  |  |  |  |  | *C132, C133,* |
|  |  |  |  |  |  | *C142, C143,* |
|  |  |  |  |  |  | *C168, C172,* |
|  |  |  |  |  |  | *C208...C212,* |
|  |  |  |  |  |  | *C280, C401,* |
|  |  |  |  |  |  | *C402, C405,* |
|  |  |  |  |  |  | *C412, C413,* |
|  |  |  |  |  |  | *C464...C467,* |
|  |  |  |  |  |  | *C640, C652, C691* |
|  |  |  |  |  |  |  |
|  |  | *54* |  | *GRM188R71E104KA02D,* |  |  |
|  |  |  |  | *CAP CER 0.1UF 25V X7R 0603,* |  |  |
|  |  |  |  | *Murata* | *16* | *C98...C100,* |
|  |  |  |  |  |  | *C103...C105,* |
|  |  |  |  |  |  | *C144, C145,* |
|  |  |  |  |  |  | *C173,* |
|  |  |  |  |  |  | *C213...C217,* |
|  |  |  |  |  |  | *C410, C411* |
|  |  |  |  |  |  |  |
|  |  | *56* |  | *GRM188R71E224KA88D,* |  |  |
|  |  |  |  | *CAP CER 0.22UF 25V X7R 0603,* |  |  |
|  |  |  |  | *Murata* | *18* | *C140, C141,* |
|  |  |  |  |  |  | *C146, C147,* |
|  |  |  |  |  |  | *C151, C152,* |
|  |  |  |  |  |  | *C174, C175,* |
|  |  |  |  |  |  | *C223...C232* |
|  |  |  |  |  |  |  |
|  |  | *58* |  | *GRM21BR61A106KE19L,* |  |  |
|  |  |  |  | *CAP CER 10UF 10V X5R 0805,* |  |  |
|  |  |  |  | *Murata* | *13* | *C56, C76, C77,* |
|  |  |  |  |  |  | *C85, C377, C378,* |
|  |  |  |  |  |  | *C403, C404,* |
|  |  |  |  |  |  | *C418, C475,* |
|  |  |  |  |  |  | *C476, C641, C660* |
|  |  |  |  |  |  |  |
|  |  | *60* |  | *GRM21BR71A475KA73K,* |  |  |
|  |  |  |  | *CAP CER 4.7UF 10V X7R 0805,* |  |  |
|  |  |  |  | *Murata* | *23* | *C341...C363* |
|  |  |  |  |  |  |  |
|  |  | *62* |  | *GRM31CR71A226ME15L,* |  |  |
|  |  |  |  | *CAP, CER, 22uF, 10V, X7R, 1206,* |  |  |
|  |  |  |  | *Murata* | *32* | *C61...C64, C201,* |
|  |  |  |  |  |  | *C202,* |
|  |  |  |  |  |  | *C315...C336,* |
|  |  |  |  |  |  | *C549, C550,* |
|  |  |  |  |  |  | *C634, C635* |
|  |  |  |  |  |  |  |
|  |  | *64* |  | *GRM32EE70G107ME19,* |  |  |
|  |  |  |  | *CAP, CER, 100uF, 4V, X7U, 1210,* |  |  |
|  |  |  |  | *Murata* | *6* | *C337...C340,* |
|  |  |  |  |  |  | *C551, C636* |
|  |  |  |  |  |  |  |
|  |  | *66* |  | *GRM32ER71E226KE15L,* |  |  |
|  |  |  |  | *CAP, CER, 22uF, 25V, X7R, 1210,* |  |  |
|  |  |  |  | *Murata* | *17* | *C150, C159,* |
|  |  |  |  |  |  | *C160, C163,* |
|  |  |  |  |  |  | *C164, C178,* |
|  |  |  |  |  |  | *C179, C238...C247* |
|  |  |  |  |  |  |  |
|  |  | *68* |  | *T491C336K025AT,* |  |  |
|  |  |  |  | *CAP TANT 33UF 25V 10% 2413,* |  |  |
|  |  |  |  | *Kemet* | *1* | *C136* |
|  |  |  |  |  |  |  |
|  |  | *70* |  | *T491X107K025AT,* |  |  |
|  |  |  |  | *CAP TANT 100UF 25V 10% 2917,* |  |  |
|  |  |  |  | *Kemet* | *9* | *C106, C156,* |
|  |  |  |  |  |  | *C157, C177,* |
|  |  |  |  |  |  | *C218...C222* |
|  |  |  |  |  |  |  |
|  |  | *72* |  | *T495X337K010ATE060,* |  |  |
|  |  |  |  | *CAP TANT 330UF 10V 10% 2917,* |  |  |
|  |  |  |  | *Kemet* | *1* | *C180* |
|  |  |  |  |  |  |  |
|  |  | *74* |  | *T495X477K006ATE030,* |  |  |
|  |  |  |  | *CAP TANT 470UF 6.3V 10% 2917,* |  |  |
|  |  |  |  | *Kemet* | *11* | *C165, C166,* |
|  |  |  |  |  |  | *C181,* |
|  |  |  |  |  |  | *C248...C252,* |
|  |  |  |  |  |  | *C312...C314* |
|  |  |  |  |  |  |  |
|  |  | *76* |  | *Бамбарбия, Киргуду, Murata* | *2* | *C1, C2* |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  | *Микросхемы* |  |  |
|  |  |  |  |  |  |  |
|  |  | *78* |  | *85411AMILF,* |  |  |
|  |  |  |  | *IC CLK BUFFER 1:2 650MHz 8SOIC,* |  |  |
|  |  |  |  | *IDT* | *1* | *D24* |
|  |  |  |  |  |  |  |
|  |  | *80* |  | *AD5246BKSZ100-RL7,* |  |  |
|  |  |  |  | *IC DGTL RES 100K I2C SC70-6,* |  |  |
|  |  |  |  | *Analog Devices* | *1* | *D69* |
|  |  |  |  |  |  |  |
|  |  | *82* |  | *AD5692RACPZ-RL7,* |  |  |
|  |  |  |  | *IC DAC 14BIT I2C 8-LFCSP,* |  |  |
|  |  |  |  | *Analog Devices* | *1* | *D22* |
|  |  |  |  |  |  |  |
|  |  | *84* |  | *AT24CS08-MAHM,* |  |  |
|  |  |  |  | *IC EEPROM 8KBIT 1MHZ 8UDFN,* |  |  |
|  |  |  |  | *Microchip* | *1* | *D60* |
|  |  |  |  |  |  |  |
|  |  | *86* |  | *CD74HC4051PW, IC MUX* |  |  |
|  |  |  |  | *DEMUX 8X1 16TSSOP,* |  |  |
|  |  |  |  | *Texas Intsruments* | *2* | *D28, D29* |
|  |  |  |  |  |  |  |
|  |  | *88* |  | *CP2105-F01-GM,* |  |  |
|  |  |  |  | *SINGLE-CHIP USB TO DUAL UART BRIDGE,* |  |  |
|  |  |  |  | *Silicon Labs* | *1* | *D12* |
|  |  |  |  |  |  |  |
|  |  | *90* |  | *CY7C65642-28LTXC,* |  |  |
|  |  |  |  | *IC CONTROLLER USB 28QFN,* |  |  |
|  |  |  |  | *Cypress Semiconductor* | *1* | *D62* |
|  |  |  |  |  |  |  |
|  |  | *92* |  | *DS1683S+,* |  |  |
|  |  |  |  | *IC RTC ELAPSED CNT I2C 8-SOIC,* |  |  |
|  |  |  |  | *Maxim Integrated* | *1* | *D2* |
|  |  |  |  |  |  |  |
|  |  | *94* |  | *HD3SS3412RUA,* |  |  |
|  |  |  |  | *IC MUX 2:1 8 OHM 42WQFN,* |  |  |
|  |  |  |  | *Texas Instruments* | *3* | *D80...D82* |
|  |  |  |  |  |  |  |
|  |  | *96* |  | *JTAG-SMT2-NC,* |  |  |
|  |  |  |  | *JTAG Programming Module,* |  |  |
|  |  |  |  | *Digilent* | *1* | *D11* |
|  |  |  |  |  |  |  |
|  |  | *98* |  | *LT1715IMS,* |  |  |
|  |  |  |  | *IC COMPARATOR 150MHZ DUAL 10MSOP,* |  |  |
|  |  |  |  | *Linear Technology* | *2* | *D19, D66* |
|  |  |  |  |  |  |  |
|  |  | *100* |  | *LTC4281IUFD,* |  |  |
|  |  |  |  | *Hot Swap Controller with I2C Monitoring,* |  |  |
|  |  |  |  | *Linear Technology* | *1* | *D5* |
|  |  |  |  |  |  |  |
|  |  | *102* |  | *MCP9700AT-ETT,* |  |  |
|  |  |  |  | *SENSOR TEMP ANLG VOLT SOT-23-3,* |  |  |
|  |  |  |  | *Microchip* | *8* | *D36...D43* |
|  |  |  |  |  |  |  |
|  |  | *104* |  | *MT28GU01GAAA1EGC-0SIT,* |  |  |
|  |  |  |  | *1Gb Micron StrataFlash Embedded Memory,* |  |  |
|  |  |  |  | *Micron* | *1* | *D9* |
|  |  |  |  |  |  |  |
|  |  | *106* |  | *MT29F32G08CBCCBH1-12Z,* |  |  |
|  |  |  |  | *32Gb Micron NAND FLASH, Micron* | *1* | *D8* |
|  |  |  |  |  |  |  |
|  |  | *108* |  | *MT40A512M16HA-083E,* |  |  |
|  |  |  |  | *Micron 8Gb x16 DDR4 SDRAM,* |  |  |
|  |  |  |  | *Micron* | *8* | *D7, D45...D51* |
|  |  |  |  |  |  |  |
|  |  | *110* |  | *OPA188AIDBV,* |  |  |
|  |  |  |  | *IC OPAMP ZERO-DRIFT 2MHZ SOT23-5,* |  |  |
|  |  |  |  | *Texas Instruments* | *3* | *D21, D64, D65* |
|  |  |  |  |  |  |  |
|  |  | *112* |  | *PCA9306DCU,* |  |  |
|  |  |  |  | *IC VOLT LEVEL TRANSLATOR US8,* |  |  |
|  |  |  |  | *Texas Instruments* | *8* | *D72...D79* |
|  |  |  |  |  |  |  |
|  |  | *114* |  | *PCA9545ARGYR,* |  |  |
|  |  |  |  | *4 channel I2C Switch,* |  |  |
|  |  |  |  | *Texas Instruments* | *1* | *D71* |
|  |  |  |  |  |  |  |
|  |  | *116* |  | *PCA9551BS, 8 LED DRIVER, I2C,* |  |  |
|  |  |  |  | *NXP* | *2* | *D17, D18* |
|  |  |  |  |  |  |  |
|  |  | *118* |  | *SN74AVC4T245RSV,* |  |  |
|  |  |  |  | *IC IC BUS TRANSCVR 4BIT 16-UQFN,* |  |  |
|  |  |  |  | *Texas Instruments* | *5* | *D83...D85, D88,* |
|  |  |  |  |  |  | *D91* |
|  |  |  |  |  |  |  |
|  |  | *120* |  | *SN74LVC1T45DBV,* |  |  |
|  |  |  |  | *IC BUS TRANSCVR TRI-ST SOT23-6,* |  |  |
|  |  |  |  | *Texas Instruments* | *5* | *D10, D23, D61,* |
|  |  |  |  |  |  | *D63, D70* |
|  |  |  |  |  |  |  |
|  |  | *122* |  | *Si5328B-C-GM,* |  |  |
|  |  |  |  | *IC CLOCK MULTIPLIER ETH 36QFN,* |  |  |
|  |  |  |  | *Silicon Labs* | *1* | *D56* |
|  |  |  |  |  |  |  |
|  |  | *124* |  | *Si53340-B-GM,* |  |  |
|  |  |  |  | *IC BUFFER 2:4 LVDS MUX 16QFN,* |  |  |
|  |  |  |  | *Silicon Labs* | *4* | *D86, D87, D89,* |
|  |  |  |  |  |  | *D90* |
|  |  |  |  |  |  |  |
|  |  | *126* |  | *Si5345A-D-GM,* |  |  |
|  |  |  |  | *IC CLOCK GEN BUFFER PLL 64QFN,* |  |  |
|  |  |  |  | *Silicon Labs* | *1* | *D6* |
|  |  |  |  |  |  |  |
|  |  | *128* |  | *TCA6408ARGTR,* |  |  |
|  |  |  |  | *8 BIT I2C IO EXPANDER INT RST,* |  |  |
|  |  |  |  | *Texas Instruments* | *1* | *D25* |
|  |  |  |  |  |  |  |
|  |  | *130* |  | *TMP401AIDGK,* |  |  |
|  |  |  |  | *SENSOR TEMPERATURE SMBUS 8VSSOP,* |  |  |
|  |  |  |  | *Texas Instruments* | *1* | *D4* |
|  |  |  |  |  |  |  |
|  |  | *132* |  | *TPS51200DRC, IC REG DDR SINK* |  |  |
|  |  |  |  | *SOURCE TERM 10SON,* |  |  |
|  |  |  |  | *Texas Instruments* | *2* | *D57, D58* |
|  |  |  |  |  |  |  |
|  |  | *134* |  | *TPS54320RHL,* |  |  |
|  |  |  |  | *IC REG BUCK ADJ 3A SYNC 14QFN,* |  |  |
|  |  |  |  | *Texas Instruments* | *2* | *D16, D53* |
|  |  |  |  |  |  |  |
|  |  | *136* |  | *TPS65135RTER,* |  |  |
|  |  |  |  | *IC REG SIMO MULTI OUT 16WQFN,* |  |  |
|  |  |  |  | *Texas Instruments* | *1* | *D20* |
|  |  |  |  |  |  |  |
|  |  | *138* |  | *TPS7A4700RGW,* |  |  |
|  |  |  |  | *IC REG LDO ADJ 1A 20VQFN,* |  |  |
|  |  |  |  | *Texas Instruments* | *2* | *D44, D55* |
|  |  |  |  |  |  |  |
|  |  | *140* |  | *TS3USB30ERSWR,* |  |  |
|  |  |  |  | *IC SWITCH DPDT USB2.0 10-MINIQFN,* |  |  |
|  |  |  |  | *Texas Instruments* | *1* | *D59* |
|  |  |  |  |  |  |  |
|  |  | *142* |  | *TUSB1210BRHB,* |  |  |
|  |  |  |  | *IC TXRX USB2.0 ULPI ULPI 32QFN,* |  |  |
|  |  |  |  | *Texas Instruments* | *1* | *D68* |
|  |  |  |  |  |  |  |
|  |  | *144* |  | *UCD74106RGM,* |  |  |
|  |  |  |  | *IC REG BUCK 6A SYNC 13VQFN,* |  |  |
|  |  |  |  | *Texas Instruments* | *1* | *D27* |
|  |  |  |  |  |  |  |
|  |  | *146* |  | *UCD74120RVFR,* |  |  |
|  |  |  |  | *25 A Synchronous Buck Power Stage,* |  |  |
|  |  |  |  | *Texas Instruments* | *8* | *D14, D26,* |
|  |  |  |  |  |  | *D30...D35* |
|  |  |  |  |  |  |  |
|  |  | *148* |  | *UCD9081RHB, IC PS SEQUENCER* |  |  |
|  |  |  |  | *MON 8CH 32-QFN,* |  |  |
|  |  |  |  | *Texas Instruments* | *1* | *D3* |
|  |  |  |  |  |  |  |
|  |  | *150* |  | *UCD9248PFC,* |  |  |
|  |  |  |  | *Digital PWM System Controller,* |  |  |
|  |  |  |  | *Texas Instruments* | *2* | *D13, D15* |
|  |  |  |  |  |  |  |
|  |  | *152* |  | *XCKU085-2FLVB1760I|FPGA1, ,* |  |  |
|  |  |  |  | *Xilinx* | *1* | *D54* |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  | *Светодиоды* |  |  |
|  |  |  |  |  |  |  |
|  |  | *154* |  | *APHB1608CGKSURKC, LED GREEN* |  |  |
|  |  |  |  | *RED CLEAR 0603 SMD, Kingbright* | *7* | *HL1, HL3, HL5,* |
|  |  |  |  |  |  | *HL8...HL11* |
|  |  |  |  |  |  |  |
|  |  | *156* |  | *MSL0402RGBU1,* |  |  |
|  |  |  |  | *LED RGB DIFFUSED SMD,* |  |  |
|  |  |  |  | *Rohm Semiconductor* | *2* | *HL2, HL4* |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  | *Дроссели* |  |  |
|  |  |  |  |  |  |  |
|  |  | *158* |  | *744303022,* |  |  |
|  |  |  |  | *FIXED IND 220nH 31A 0.325mOHM SMD,* |  |  |
|  |  |  |  | *Wurth* | *8* | *L29, L30, L32,* |
|  |  |  |  |  |  | *L37...L40, L42* |
|  |  |  |  |  |  |  |
|  |  | *160* |  | *744311068,* |  |  |
|  |  |  |  | *FIXED IND 680nH 17A 3.1mOHM SMD,* |  |  |
|  |  |  |  | *Wurth* | *2* | *L36, L41* |
|  |  |  |  |  |  |  |
|  |  | *162* |  | *BLE32PN300SN1,* |  |  |
|  |  |  |  | *FERRITE BEAD 30 OHM 1210 1LN,* |  |  |
|  |  |  |  | *Murata* | *8* | *L21, L24,* |
|  |  |  |  |  |  | *L26...L28, L31,* |
|  |  |  |  |  |  | *L33, L35* |
|  |  |  |  |  |  |  |
|  |  | *164* |  | *BLM15PD600SN1,* |  |  |
|  |  |  |  | *FERRITE BEAD 60 OHM 0402 1LN,* |  |  |
|  |  |  |  | *Murata* | *28* | *L1, L8...L13,* |
|  |  |  |  |  |  | *L15, L16,* |
|  |  |  |  |  |  | *L43...L45,* |
|  |  |  |  |  |  | *L51...L62, L66,* |
|  |  |  |  |  |  | *L68, L69, L93* |
|  |  |  |  |  |  |  |
|  |  | *166* |  | *BLM18PG221SN1,* |  |  |
|  |  |  |  | *FERRITE BEAD 220 OHM 0603 1LN,* |  |  |
|  |  |  |  | *Murata* | *11* | *L2...L7, L14,* |
|  |  |  |  |  |  | *L48, L63, L67,* |
|  |  |  |  |  |  | *L94* |
|  |  |  |  |  |  |  |
|  |  | *168* |  | *BLM18PG330SN1,* |  |  |
|  |  |  |  | *FERRITE BEAD 33 OHM 0603 1LN,* |  |  |
|  |  |  |  | *Murata* | *4* | *L22, L23, L34,* |
|  |  |  |  |  |  | *L49* |
|  |  |  |  |  |  |  |
|  |  | *170* |  | *DLP11SA900HL2,* |  |  |
|  |  |  |  | *CMC 150MA 2LN 90 OHM SMD,* |  |  |
|  |  |  |  | *Murata* | *2* | *L64, L65* |
|  |  |  |  |  |  |  |
|  |  | *172* |  | *IFSC1515AHER4R7M01,* |  |  |
|  |  |  |  | *FIXED IND 4.7uH 2.2A 90mOHM SMD,* |  |  |
|  |  |  |  | *Vishay* | *5* | *L17...L20, L50* |
|  |  |  |  |  |  |  |
|  |  | *174* |  | *LPS3008-222MR,* |  |  |
|  |  |  |  | *FIXED IND 2.2uH 1.1A 175mOHM SMD,* |  |  |
|  |  |  |  | *Coilcraft* | *1* | *L25* |
|  |  |  |  |  |  |  |
|  |  | *176* |  | *TCE1608G-900-4P,* |  |  |
|  |  |  |  | *CMC 100MA 4LN 90 OHM SMD ESD,* |  |  |
|  |  |  |  | *TDK* | *27* | *L46, L47,* |
|  |  |  |  |  |  | *L70...L92, L95,* |
|  |  |  |  |  |  | *L96* |
|  |  |  |  |  |  |  |
|  |  | *178* |  | *sdfsdfsdf, sdfsdfsd, Kar* | *4* | *JP, JP* |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  | *Резисторы* |  |  |
|  |  |  |  |  |  |  |
|  |  | *180* |  | *515-1064,* |  |  |
|  |  |  |  | *LIGHT PIPE 2.5MM TRI LEVEL,* |  |  |
|  |  |  |  | *Dialight* | *1* | *LP* |
|  |  |  |  |  |  |  |
|  |  | *182* |  | *CRF1206-FZ-R002ELF,* |  |  |
|  |  |  |  | *RES SMD 0.002 OHM 1% 1W 1206,* |  |  |
|  |  |  |  | *Bourns Inc* | *1* | *R30* |
|  |  |  |  |  |  |  |
|  |  | *184* |  | *ERA-2AEB1652X,* |  |  |
|  |  |  |  | *RES, THIN FILM, 16.5K 0.1%, 0.063W, 0402,* |  |  |
|  |  |  |  | *Panasonic* | *3* | *R27...R29* |
|  |  |  |  |  |  |  |
|  |  | *186* |  | *ERA-2AEB8251X,* |  |  |
|  |  |  |  | *RES, THIN FILM, 8.25K 0.1%, 0.063W, 0402,* |  |  |
|  |  |  |  | *Panasonic* | *3* | *R24, R25, R113* |
|  |  |  |  |  |  |  |
|  |  | *188* |  | *ERJ-2GEJ390X,* |  |  |
|  |  |  |  | *RES SMD 39 OHM 5% 110W 0402,* |  |  |
|  |  |  |  | *Panasonic* | *4* | *R584...R587* |
|  |  |  |  |  |  |  |
|  |  | *190* |  | *ERJ-2RKF1000X,* |  |  |
|  |  |  |  | *RES SMD 100 OHM 1% 110W 0402,* |  |  |
|  |  |  |  | *Panasonic* | *83* | *R63...R70, R75,* |
|  |  |  |  |  |  | *R92, R116, R158,* |
|  |  |  |  |  |  | *R159,* |
|  |  |  |  |  |  | *R161...R164,* |
|  |  |  |  |  |  | *R221...R225,* |
|  |  |  |  |  |  | *R295...R310,* |
|  |  |  |  |  |  | *R322, R323,* |
|  |  |  |  |  |  | *R357...R374,* |
|  |  |  |  |  |  | *R390...R393,* |
|  |  |  |  |  |  | *R441...R444,* |
|  |  |  |  |  |  | *R484...R486,* |
|  |  |  |  |  |  | *R578, R579,* |
|  |  |  |  |  |  | *R594, R595,* |
|  |  |  |  |  |  | *R658...R661,* |
|  |  |  |  |  |  | *R700...R703,* |
|  |  |  |  |  |  | *R707, R708* |
|  |  |  |  |  |  |  |
|  |  | *192* |  | *ERJ-2RKF1001X,* |  |  |
|  |  |  |  | *RES SMD 1000 OHM 1% 110W 0402,* |  |  |
|  |  |  |  | *Panasonic* | *46* | *R192...R198,* |
|  |  |  |  |  |  | *R317, R325,* |
|  |  |  |  |  |  | *R396, R431,* |
|  |  |  |  |  |  | *R454, R460,* |
|  |  |  |  |  |  | *R463, R464,* |
|  |  |  |  |  |  | *R470, R473,* |
|  |  |  |  |  |  | *R526...R528,* |
|  |  |  |  |  |  | *R555, R556,* |
|  |  |  |  |  |  | *R558...R573,* |
|  |  |  |  |  |  | *R591...R593,* |
|  |  |  |  |  |  | *R596, R663,* |
|  |  |  |  |  |  | *R670, R713, R720* |
|  |  |  |  |  |  |  |
|  |  | *194* |  | *ERJ-2RKF1002X,* |  |  |
|  |  |  |  | *RES SMD 10K OHM 1% 110W 0402,* |  |  |
|  |  |  |  | *Panasonic* | *94* | *R12, R13,* |
|  |  |  |  |  |  | *R31...R35, R37,* |
|  |  |  |  |  |  | *R45...R51, R53,* |
|  |  |  |  |  |  | *R59, R61,* |
|  |  |  |  |  |  | *R84...R91, R101,* |
|  |  |  |  |  |  | *R120, R122,* |
|  |  |  |  |  |  | *R124...R129,* |
|  |  |  |  |  |  | *R131, R135,* |
|  |  |  |  |  |  | *R137, R138,* |
|  |  |  |  |  |  | *R142...R144,* |
|  |  |  |  |  |  | *R152, R153,* |
|  |  |  |  |  |  | *R160,* |
|  |  |  |  |  |  | *R179...R181,* |
|  |  |  |  |  |  | *R188...R191,* |
|  |  |  |  |  |  | *R200, R324,* |
|  |  |  |  |  |  | *R344, R348,* |
|  |  |  |  |  |  | *R349, R388,* |
|  |  |  |  |  |  | *R389, R394,* |
|  |  |  |  |  |  | *R402, R404,* |
|  |  |  |  |  |  | *R411...R419,* |
|  |  |  |  |  |  | *R421,* |
|  |  |  |  |  |  | *R438...R440,* |
|  |  |  |  |  |  | *R446,* |
|  |  |  |  |  |  | *R451...R453,* |
|  |  |  |  |  |  | *R457, R458,* |
|  |  |  |  |  |  | *R465...R469,* |
|  |  |  |  |  |  | *R482, R499,* |
|  |  |  |  |  |  | *R686, R689,* |
|  |  |  |  |  |  | *R690, R695...R697* |
|  |  |  |  |  |  |  |
|  |  | *196* |  | *ERJ-2RKF1003X,* |  |  |
|  |  |  |  | *RES SMD 100K OHM 1% 110W 0402,* |  |  |
|  |  |  |  | *Panasonic* | *19* | *R16, R19, R20,* |
|  |  |  |  |  |  | *R111, R112,* |
|  |  |  |  |  |  | *R329...R331,* |
|  |  |  |  |  |  | *R343, R399,* |
|  |  |  |  |  |  | *R400, R449,* |
|  |  |  |  |  |  | *R483, R529,* |
|  |  |  |  |  |  | *R666...R668,* |
|  |  |  |  |  |  | *R698, R699* |
|  |  |  |  |  |  |  |
|  |  | *198* |  | *ERJ-2RKF1471X,* |  |  |
|  |  |  |  | *RES SMD 1.47K OHM 1% 1* |  |  |
|  |  |  |  | *10W 0402, Panasonic* | *2* | *R326, R491* |
|  |  |  |  |  |  |  |
|  |  | *200* |  | *ERJ-2RKF1543X,* |  |  |
|  |  |  |  | *RES SMD 154K OHM 1% 110W 0402,* |  |  |
|  |  |  |  | *Panasonic* | *2* | *R82, R669* |
|  |  |  |  |  |  |  |
|  |  | *202* |  | *ERJ-2RKF1781X,* |  |  |
|  |  |  |  | *RES, THICK FILM, 1.78K 1%, 0.1W, 0402,* |  |  |
|  |  |  |  | *Panasonic* | *1* | *R62* |
|  |  |  |  |  |  |  |
|  |  | *204* |  | *ERJ-2RKF1963X,* |  |  |
|  |  |  |  | *RES, THICK FILM, 196K 1%, 0.1W, 0402,* |  |  |
|  |  |  |  | *Panasonic* | *9* | *R83, R539...R546* |
|  |  |  |  |  |  |  |
|  |  | *206* |  | *ERJ-2RKF2001X,* |  |  |
|  |  |  |  | *RES, THICK FILM, 2K 1%, 0.1W, 0402,* |  |  |
|  |  |  |  | *Panasonic* | *9* | *R150, R175,* |
|  |  |  |  |  |  | *R176,* |
|  |  |  |  |  |  | *R251...R255, R492* |
|  |  |  |  |  |  |  |
|  |  | *208* |  | *ERJ-2RKF2372X,* |  |  |
|  |  |  |  | *RES, THICK FILM, 23.7K 1%, 0.1W, 0402,* |  |  |
|  |  |  |  | *Panasonic* | *1* | *R136* |
|  |  |  |  |  |  |  |
|  |  | *210* |  | *ERJ-2RKF2400X,* |  |  |
|  |  |  |  | *RES, THICK FILM, 240R 1%, 0.1W, 0402,* |  |  |
|  |  |  |  | *Panasonic* | *19* | *R377...R384,* |
|  |  |  |  |  |  | *R547...R554,* |
|  |  |  |  |  |  | *R597...R599* |
|  |  |  |  |  |  |  |
|  |  | *212* |  | *ERJ-2RKF2491X,* |  |  |
|  |  |  |  | *RES, THICK FILM, 2.49K 1%, 0.1W, 0402,* |  |  |
|  |  |  |  | *Panasonic* | *56* | *R145...R147,* |
|  |  |  |  |  |  | *R165...R170,* |
|  |  |  |  |  |  | *R226...R240,* |
|  |  |  |  |  |  | *R318...R321,* |
|  |  |  |  |  |  | *R333, R489,* |
|  |  |  |  |  |  | *R490, R497,* |
|  |  |  |  |  |  | *R498,* |
|  |  |  |  |  |  | *R530...R535,* |
|  |  |  |  |  |  | *R657, R662,* |
|  |  |  |  |  |  | *R671,* |
|  |  |  |  |  |  | *R676...R680,* |
|  |  |  |  |  |  | *R683, R684,* |
|  |  |  |  |  |  | *R706, R711,* |
|  |  |  |  |  |  | *R712, R716...R719* |
|  |  |  |  |  |  |  |
|  |  | *214* |  | *ERJ-2RKF2670X,* |  |  |
|  |  |  |  | *RES, THICK FILM, 267R 1%, 0.1W, 0402,* |  |  |
|  |  |  |  | *Panasonic* | *16* | *R182...R187,* |
|  |  |  |  |  |  | *R256...R265* |
|  |  |  |  |  |  |  |
|  |  | *216* |  | *ERJ-2RKF2941X,* |  |  |
|  |  |  |  | *RES, THICK FILM, 2.94K 1%, 0.1W, 0402,* |  |  |
|  |  |  |  | *Panasonic* | *1* | *R57* |
|  |  |  |  |  |  |  |
|  |  | *218* |  | *ERJ-2RKF3162X,* |  |  |
|  |  |  |  | *RES, THICK FILM, 31.6K 1%, 0.1W, 0402,* |  |  |
|  |  |  |  | *Panasonic* | *4* | *R52, R54, R693,* |
|  |  |  |  |  |  | *R694* |
|  |  |  |  |  |  |  |
|  |  | *220* |  | *ERJ-2RKF36R0X,* |  |  |
|  |  |  |  | *RES SMD 36 OHM 1% 110W 0402,* |  |  |
|  |  |  |  | *Panasonic* | *4* | *R650...R653* |
|  |  |  |  |  |  |  |
|  |  | *222* |  | *ERJ-2RKF4022X,* |  |  |
|  |  |  |  | *RES, THICK FILM, 40.2K 1%, 0.1W, 0402,* |  |  |
|  |  |  |  | *Panasonic* | *4* | *R55, R56, R202,* |
|  |  |  |  |  |  | *R203* |
|  |  |  |  |  |  |  |
|  |  | *224* |  | *ERJ-2RKF4121X,* |  |  |
|  |  |  |  | *RES, THICK FILM, 4.12K 1%, 0.1W, 0402,* |  |  |
|  |  |  |  | *Panasonic* | *2* | *R58, R201* |
|  |  |  |  |  |  |  |
|  |  | *226* |  | *ERJ-2RKF4751X,* |  |  |
|  |  |  |  | *RES, THICK FILM, 4.75K 1%, 0.1W, 0402,* |  |  |
|  |  |  |  | *Panasonic* | *83* | *R6, R17, R18,* |
|  |  |  |  |  |  | *R21...R23, R39,* |
|  |  |  |  |  |  | *R40, R42...R44,* |
|  |  |  |  |  |  | *R71...R74, R110,* |
|  |  |  |  |  |  | *R117...R119,* |
|  |  |  |  |  |  | *R121, R123,* |
|  |  |  |  |  |  | *R130, R134,* |
|  |  |  |  |  |  | *R213,* |
|  |  |  |  |  |  | *R311...R316,* |
|  |  |  |  |  |  | *R337,* |
|  |  |  |  |  |  | *R345...R347,* |
|  |  |  |  |  |  | *R427...R430,* |
|  |  |  |  |  |  | *R432, R433,* |
|  |  |  |  |  |  | *R436, R445,* |
|  |  |  |  |  |  | *R448, R450,* |
|  |  |  |  |  |  | *R459, R481,* |
|  |  |  |  |  |  | *R500...R525,* |
|  |  |  |  |  |  | *R656,* |
|  |  |  |  |  |  | *R672...R675,* |
|  |  |  |  |  |  | *R681, R682,* |
|  |  |  |  |  |  | *R687, R688,* |
|  |  |  |  |  |  | *R714, R715* |
|  |  |  |  |  |  |  |
|  |  | *228* |  | *ERJ-2RKF4990X,* |  |  |
|  |  |  |  | *RES, THICK FILM, 499R 1%, 0.1W, 0402,* |  |  |
|  |  |  |  | *Panasonic* | *2* | *R207, R208* |
|  |  |  |  |  |  |  |
|  |  | *230* |  | *ERJ-2RKF49R9X,* |  |  |
|  |  |  |  | *RES, THICK FILM, 49.9R 1%, 0.1W, 0402,* |  |  |
|  |  |  |  | *Panasonic* | *12* | *R76...R81, R461,* |
|  |  |  |  |  |  | *R462,* |
|  |  |  |  |  |  | *R536...R538, R704* |
|  |  |  |  |  |  |  |
|  |  | *232* |  | *ERJ-2RKF5113X,* |  |  |
|  |  |  |  | *RES, THICK FILM, 511K 1%, 0.1W, 0402,* |  |  |
|  |  |  |  | *Panasonic* | *4* | *R60, R335, R398,* |
|  |  |  |  |  |  | *R401* |
|  |  |  |  |  |  |  |
|  |  | *234* |  | *ERJ-2RKF5232X,* |  |  |
|  |  |  |  | *RES, THICK FILM, 52.3K 1%, 0.1W, 0402,* |  |  |
|  |  |  |  | *Panasonic* | *1* | *R334* |
|  |  |  |  |  |  |  |
|  |  | *236* |  | *ERJ-2RKF6490X,* |  |  |
|  |  |  |  | *RES, THICK FILM, 649R 1%, 0.1W, 0402,* |  |  |
|  |  |  |  | *Panasonic* | *1* | *R410* |
|  |  |  |  |  |  |  |
|  |  | *238* |  | *ERJ-2RKF7500X,* |  |  |
|  |  |  |  | *RES, THICK FILM, 750R 1%, 0.1W, 0402,* |  |  |
|  |  |  |  | *Panasonic* | *5* | *R199,* |
|  |  |  |  |  |  | *R474...R476, R480* |
|  |  |  |  |  |  |  |
|  |  | *240* |  | *ERJ-2RKF8061X,* |  |  |
|  |  |  |  | *RES, THICK FILM, 8.06K 1%, 0.1W, 0402,* |  |  |
|  |  |  |  | *Panasonic* | *10* | *R151, R177,* |
|  |  |  |  |  |  | *R178, R214...R220* |
|  |  |  |  |  |  |  |
|  |  | *242* |  | *RC0402FR-071RL,* |  |  |
|  |  |  |  | *RES SMD 1 OHM 1% 116W 0402,* |  |  |
|  |  |  |  | *Yageo* | *16* | *R148, R149,* |
|  |  |  |  |  |  | *R171...R174,* |
|  |  |  |  |  |  | *R241...R250* |
|  |  |  |  |  |  |  |
|  |  | *244* |  | *RC0402FR-0720RL,* |  |  |
|  |  |  |  | *RES SMD 20 OHM 1% 116W 0402,* |  |  |
|  |  |  |  | *Yageo* | *40* | *R3...R5,* |
|  |  |  |  |  |  | *R7...R11, R14,* |
|  |  |  |  |  |  | *R15, R93...R95,* |
|  |  |  |  |  |  | *R97, R99,* |
|  |  |  |  |  |  | *R102...R104,* |
|  |  |  |  |  |  | *R106, R108,* |
|  |  |  |  |  |  | *R132, R133,* |
|  |  |  |  |  |  | *R340...R342,* |
|  |  |  |  |  |  | *R356, R409,* |
|  |  |  |  |  |  | *R422...R425,* |
|  |  |  |  |  |  | *R434, R435,* |
|  |  |  |  |  |  | *R447, R455,* |
|  |  |  |  |  |  | *R456, R471,* |
|  |  |  |  |  |  | *R685, R691, R692* |
|  |  |  |  |  |  |  |
|  |  | *246* |  | *RC0402JR-070RL,* |  |  |
|  |  |  |  | *RES SMD 0 OHM JUMPER 1* |  |  |
|  |  |  |  | *16W 0402, Yageo* | *40* | *R38, R114, R115,* |
|  |  |  |  |  |  | *R139,* |
|  |  |  |  |  |  | *R210...R212,* |
|  |  |  |  |  |  | *R266,* |
|  |  |  |  |  |  | *R268...R280,* |
|  |  |  |  |  |  | *R294, R327,* |
|  |  |  |  |  |  | *R328, R332,* |
|  |  |  |  |  |  | *R336, R338,* |
|  |  |  |  |  |  | *R339,* |
|  |  |  |  |  |  | *R352...R355,* |
|  |  |  |  |  |  | *R386, R387,* |
|  |  |  |  |  |  | *R493...R496,* |
|  |  |  |  |  |  | *R590, R705* |
|  |  |  |  |  |  |  |
|  |  | *248* |  | *RC1206JR-0710ML,* |  |  |
|  |  |  |  | *RES SMD 10M OHM 5% 14W 1206,* |  |  |
|  |  |  |  | *Yageo* | *2* | *R1, R2* |
|  |  |  |  |  |  |  |
|  |  | *250* |  | *TC124-FR-0739RL,* |  |  |
|  |  |  |  | *RES ARRAY 4 RES 39 OHM 0804,* |  |  |
|  |  |  |  | *Yageo* | *12* | *R96, R98, R100,* |
|  |  |  |  |  |  | *R105, R107,* |
|  |  |  |  |  |  | *R109, R140,* |
|  |  |  |  |  |  | *R141, R154...R157* |
|  |  |  |  |  |  |  |
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|  |  |  |  | *Коммутация* |  |  |
|  |  |  |  |  |  |  |
|  |  | *252* |  | *A6H-4102,* |  |  |
|  |  |  |  | *SWITCH SLIDE DIP SPST 25MA 24V,* |  |  |
|  |  |  |  | *Omron Electronics* | *1* | *S1* |
|  |  |  |  |  |  |  |
|  |  | *254* |  | *EVPAA402W,* |  |  |
|  |  |  |  | *SWITCH TACTILE SPST-NO 0.02A 15V,* |  |  |
|  |  |  |  | *Panasonic* | *2* | *S3, S4* |
|  |  |  |  |  |  |  |
|  |  | *256* |  | *KAN1102RT,* |  |  |
|  |  |  |  | *SWITCH SLIDE DIP SPST 25MA 24V,* |  |  |
|  |  |  |  | *E-Switch* | *1* | *S2* |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  | *Диоды* |  |  |
|  |  |  |  |  |  |  |
|  |  | *258* |  | *1PS79SB31,* |  |  |
|  |  |  |  | *DIODE SCHOTTKY 30V 200MA SOD523,* |  |  |
|  |  |  |  | *Nexperia* | *4* | *VD1, VD16, VD17,* |
|  |  |  |  |  |  | *VD20* |
|  |  |  |  |  |  |  |
|  |  | *260* |  | *BAV99,* |  |  |
|  |  |  |  | *DIODE ARRAY GP 70V 200MA SOT23-3,* |  |  |
|  |  |  |  | *ON Semiconductor* | *2* | *VD12, VD13* |
|  |  |  |  |  |  |  |
|  |  | *262* |  | *MMSZ4680T1G,* |  |  |
|  |  |  |  | *DIODE ZENER 2.2V 500mW SOD123,* |  |  |
|  |  |  |  | *ON Semiconductor* | *4* | *VD5...VD8* |
|  |  |  |  |  |  |  |
|  |  | *264* |  | *MMSZ4683T1G,* |  |  |
|  |  |  |  | *DIODE ZENER 3V 500mW SOD123,* |  |  |
|  |  |  |  | *ON Semiconductor* | *1* | *VD9* |
|  |  |  |  |  |  |  |
|  |  | *266* |  | *SMCJ15CA,* |  |  |
|  |  |  |  | *TVS DIODE 15VWM 24.4VC SMC,* |  |  |
|  |  |  |  | *Littelfuse Inc* | *1* | *VD2* |
|  |  |  |  |  |  |  |
|  |  | *268* |  | *TPD4S012DRYR,* |  |  |
|  |  |  |  | *IC 4CH ESD SOLUTION W* |  |  |
|  |  |  |  | *CLAMP 6SON, Texas Instruments* | *2* | *VD10, VD19* |
|  |  |  |  |  |  |  |
|  |  | *270* |  | *VBUS05L1-DD1,* |  |  |
|  |  |  |  | *TVS DIODE 5.5VWM 17VC LLP1006,* |  |  |
|  |  |  |  | *Vishay* | *7* | *VD3, VD4, VD11,* |
|  |  |  |  |  |  | *VD14, VD15,* |
|  |  |  |  |  |  | *VD18, VD29* |
|  |  |  |  |  |  |  |
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|  |  |  |  | *Транзисторы* |  |  |
|  |  |  |  |  |  |  |
|  |  | *272* |  | *BSS138,* |  |  |
|  |  |  |  | *MOSFET N-CH 50V 220MA SOT-23,* |  |  |
|  |  |  |  | *ON Semiconductor* | *2* | *VT5, VT6* |
|  |  |  |  |  |  |  |
|  |  | *274* |  | *NTR4101PT1G,* |  |  |
|  |  |  |  | *MOSFET P-CH 20V 1.8A SOT-23,* |  |  |
|  |  |  |  | *Vishay* | *5* | *VT14...VT16,* |
|  |  |  |  |  |  | *VT26, VT28* |
|  |  |  |  |  |  |  |
|  |  | *276* |  | *PMV30UN2R,* |  |  |
|  |  |  |  | *MOSFET N-CH 20V 2.7A SOT-23,* |  |  |
|  |  |  |  | *Nexperia* | *18* | *VT3, VT4, VT7,* |
|  |  |  |  |  |  | *VT9...VT13,* |
|  |  |  |  |  |  | *VT17...VT25, VT27* |
|  |  |  |  |  |  |  |
|  |  | *278* |  | *Si7137DP-T1-GE3,* |  |  |
|  |  |  |  | *MOSFET P-CH 20V 60A PPAK SO-8,* |  |  |
|  |  |  |  | *Vishay* | *1* | *VT2* |
|  |  |  |  |  |  |  |
|  |  | *280* |  | *SiR440DP-T1-GE3,* |  |  |
|  |  |  |  | *MOSFET N-CH 20V 60A PPAK SO-8,* |  |  |
|  |  |  |  | *Vishay* | *1* | *VT1* |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  | *Контактные соединения* |  |  |
|  |  |  |  |  |  |  |
|  |  | *282* |  | *10052824-101LF, VS AIRMAX, R* |  |  |
|  |  |  |  | *A HDR 72POS, PRESS-FIT, FCI* | *1* | *X8* |
|  |  |  |  |  |  |  |
|  |  | *284* |  | *10052825-101LF, VS AIRMAX, R* |  |  |
|  |  |  |  | *A HDR 72POS, 4WALLS, PRESS-FIT,* |  |  |
|  |  |  |  | *FCI* | *1* | *X4* |
|  |  |  |  |  |  |  |
|  |  | *286* |  | *10052837-101LF, VS AIRMAX, R* |  |  |
|  |  |  |  | *A HDR 96POS, 2WALLS, PRESS-FIT,* |  |  |
|  |  |  |  | *FCI* | *3* | *X5...X7* |
|  |  |  |  |  |  |  |
|  |  | *288* |  | *10052838-101LF, VS AIRMAX, R* |  |  |
|  |  |  |  | *A HDR 96POS, 4WALLS, PRESS-FIT,* |  |  |
|  |  |  |  | *FCI* | *1* | *X9* |
|  |  |  |  |  |  |  |
|  |  | *290* |  | *2041517-2,* |  |  |
|  |  |  |  | *MINI-B USB RECEPTACLE VERT,* |  |  |
|  |  |  |  | *Tyco* | *1* | *X3* |
|  |  |  |  |  |  |  |
|  |  | *292* |  | *5414651-3,* |  |  |
|  |  |  |  | *BNC Right angle ESD protected,* |  |  |
|  |  |  |  | *Tyco* | *2* | *X10, X11* |
|  |  |  |  |  |  |  |
|  |  | *294* |  | *755860104, QSFP+ CONN 38PIN,* |  |  |
|  |  |  |  | *Molex* | *1* | *X13* |
|  |  |  |  |  |  |  |
|  |  | *296* |  | *878980426,* |  |  |
|  |  |  |  | *CONN HEADER 4POS VERT 2.54MM SMD,* |  |  |
|  |  |  |  | *Molex* | *1* | *X15* |
|  |  |  |  |  |  |  |
|  |  | *298* |  | *DF13C-3P-1.25V(21),* |  |  |
|  |  |  |  | *CONN HEADER 3POS 1.25MM SMD TIN,* |  |  |
|  |  |  |  | *HRS* | *2* | *X1, X14* |
|  |  |  |  |  |  |  |
|  |  | *300* |  | *HTST-105-01-L-DV,* |  |  |
|  |  |  |  | *CONN HEADER 10POS .100 SMD,* |  |  |
|  |  |  |  | *Samtec* | *1* | *X2* |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  | *Кварцевые резонаторы* |  |  |
|  |  |  |  |  |  |  |
|  |  | *302* |  | *ABM8-166-114.285MHZ-T2,* |  |  |
|  |  |  |  | *CRYSTAL 114.2850MHZ 18PF SMD,* |  |  |
|  |  |  |  | *Abracon LLC* | *1* | *ZQ2* |
|  |  |  |  |  |  |  |
|  |  | *304* |  | *CM1457-04CP, FILTER LC(PI) 70NH* |  |  |
|  |  |  |  | *12.5PF SMD, ON Semiconductor* | *15* | *Z2...Z16* |
|  |  |  |  |  |  |  |
|  |  | *306* |  | *CX3225SB12000D0GZJC1,* |  |  |
|  |  |  |  | *CRYSTAL 12MHZ 8PF SMD, Kyocera* | *1* | *ZQ3* |
|  |  |  |  |  |  |  |
|  |  | *308* |  | *CX3225SB54000D0FPJC1,* |  |  |
|  |  |  |  | *CRYSTAL 54MHZ 8PF SMD, Kyocera* | *1* | *ZQ1* |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  | *Прочие* |  |  |
|  |  |  |  |  |  |  |
|  |  | *310* |  | *515-1064,* |  |  |
|  |  |  |  | *LIGHT PIPE 2.5MM TRI LEVEL,* |  |  |
|  |  |  |  | *Dialight* | *1* | *LP* |
|  |  |  |  |  |  |  |
|  |  | *312* |  | *747500082,* |  |  |
|  |  |  |  | *QSFP+ CAGE HEAT SINK ASSEMBLY,* |  |  |
|  |  |  |  | *Molex* | *2* | *CAGE4, CAGE2* |
|  |  |  |  |  |  |  |
|  |  | *314* |  | *747500083,* |  |  |
|  |  |  |  | *IC EEPROM 8KBIT 1MHZ 8UDFN,* |  |  |
|  |  |  |  | *Microchip* | *2* | *CAGE5, CAGE3* |
|  |  |  |  |  |  |  |
|  |  | *316* |  | *CM1457-04CP, FILTER LC(PI) 70NH* |  |  |
|  |  |  |  | *12.5PF SMD, ON Semiconductor* | *15* | *Z2...Z16* |
|  |  |  |  |  |  |  |
|  |  | *318* |  | *sdfsdfsdf, sdfsdfsd, Kar* | *4* | *JP, JP* |
|  |  |  |  |  |  |  |
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*Лист регистрации изменений*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Изм* | *Номера листов (страниц)* | | | | *Всего*  *листов*  *(страниц)* | *№ докум* | *Входящий*  *№ сопрово-дительного* | *Подпись* | *Дата* |
| *изме-*  *ненных* | *заме-ненных* | *новых* | *аннули-рован-ных* |
|  |  |  |  |  |  |  |  |  |  |