	Поз. обозна– чение	Наименование	Кол.	Примечание
Перв. примен.		Устройства	++	
рв. г	A1	NHD–1.69–160128G Newhaven Display	1	1.69" OLED
Ne	A2	Клавиатура 5042 ТЕИЯ.464511.002 ТЗ 000 «ИНЕЛСО»	1	
\mathbb{H}	AC1	Кабель 0151320401 Molex	1	4 Wire 24AWG
		Конденсаторы		
No	C1,C2	GCM1555C1H101JA16D Murata Electronics	2	0402 100p 50V
Cnpaß. Nº	<i>C3</i>	GJM1555C1H470GB01D Murata Electronics	1	0402 47p 50V
	C4,C5	GCM1555C1H101JA16D Murata Electronics	2	0402 100p 50V
	С6	GJM1555C1H470GB01D Murata Electronics	1	0402 47p 50V
	<i>C7,C8</i>	GCM1555C1H101JA16D Murata Electronics	2	0402 100p 50V
	<i>C9</i>	GJM1555C1H470GB01D Murata Electronics	1	0402 47p 50V
	C10	GCM1555C1H101JA16D Murata Electronics	1	0402 100p 50V
	C11,C12	GRM1555C1H102JA01J Murata Electronics	2	0402 1n 50V
מ	C13	TPSA226K006R0300 AVX	1	1206 22uF 6V3
і дата	C14	GRM155R71E104KE14J Murata Electronics	1	0402 0.1uF 25V
Подп. и	C15	GCM188R71E105KA64D Murata Electronics	1	0603 1u 25V
110	C16,C17	C2012X5R1C106M085AC TDK	2	0805 10uF 16V
571.	C18,C19	GRM155R71E104KE14J Murata Electronics	2	0402 0.1uF 25V
Инв. № дцъл.	C20	TPSA226K006R0300 AVX	1	1206 22uF 6V3
1нВ. <i>№</i>	С21	GRM155R71E104KE14J Murata Electronics	1	0402 0.1uF 25V
	C22	GRM1555C1H102JA01J Murata Electronics	1	0402 1n 50V
инв.	С23	GRM21BZ71E475KE15L Murata Electronics	1	0805 4.7uF 25V
Взам. инв. №	<i>C24</i>	GRM155R71E104KE14J Murata Electronics	1	0402 0.1uF 25V
В	C25	TPSA226K006R0300 AVX	1	1206 22uF 6V3
Подп. и дата				
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Поді	Mand Aug	PUC∏.7M07	110.0	16 ПЭЗ
№ подл.		№ докум. Подп. Дата Карманов LoRa Радиомодем	/\L	ит. Лист Листов 1 12
Инв. Nº 1	Нач. отд. Н.контр. (авостин Перечень элементов		СКУ
	Утв. С	авостина Копиповал		Формат Д/,

Поз. обозна– чение	Наименование	Кол.	Примечание
С26	GRM155R71E104KE14J Murata Electronics	1	0402 0.1uF 25V
С27	GRM1555C1H102JA01J Murata Electronics	1	0402 1n 50V
С28	GRM21BZ71E475KE15L Murata Electronics	1	0805 4.7uF 25V
С29	GRM21BR61C226ME44L Murata Electronics	1	0805 22uF 16V
С30	GRM155R71E104KE14J Murata Electronics	1	0402 0.1uF 25V
<i>C31</i>	GRM21BR61C226ME44L Murata Electronics	1	0805 22uF 16V
<i>C32,C33</i>	GRM155R71E104KE14J Murata Electronics	2	0402 0.1uF 25V
<i>C</i> 34	T491A475K025AT KEMET	1	1206 4.7μF 25V
<i>C35</i>	GRM155R71E104KE14J Murata Electronics	1	0402 0.1uF 25V
<i>C36</i>	T491A475K025AT KEMET	1	1206 4.7μF 25V
<i>C</i> 37	GRM155R71E104KE14J Murata Electronics	1	0402 0.1uF 25V
<i>C38</i>	GRM21BZ71E475KE15L Murata Electronics	1	0805 4.7uF 25V
<i>C39</i>	GRM155R71E104KE14J Murata Electronics	1	0402 0.1uF 25V
<i>C40</i>	GRM21BZ71E475KE15L Murata Electronics	1	0805 4.7uF 25V
<i>C</i> 41	GRM155R71E104KE14J Murata Electronics	1	0402 0.1uF 25V
<i>C42–C44</i>	GCM155R71E223KA55D Murata Electronics	3	0402 22n 25V
<i>C</i> 45	GRM155R71E104KE14J Murata Electronics	1	0402 0.1uF 25V
C46	GRM21BR61C226ME44L Murata Electronics	1	0805 22uF 16V
<i>C</i> 47	GCM188R71E474KA64D Murata Electronics	1	0603 470n 25V
C48	GRM21BR61C226ME44L Murata Electronics	1	0805 22uF 16V
C49,C50	GCM188R71E105KA64D Murata Electronics	2	0603 1u 25V
<i>C51–C54</i>	GRM155R71E104KE14J Murata Electronics	4	0402 0.1uF 25V
<i>C55</i>	GRM21BR61C226ME44L Murata Electronics	1	0805 22uF 16V
<i>C56</i>	GRM21BZ71E475KE15L Murata Electronics	1	0805 4.7uF 25V
<i>C</i> 57	GRM21BR61C226ME44L Murata Electronics	1	0805 22uF 16V
<i>C58,C59</i>	GJM1555C1H4R3CBO1D Murata Electronics	2	0402 4.3p 50V
<i>C60–C70</i>	GRM155R71E104KE14J Murata Electronics	11	0402 0.1uF 25V
<i>C71</i>	GRM21BZ71E475KE15L Murata Electronics	1	0805 4.7uF 25V
<i>C72,C73</i>	GRM155R71E104KE14J Murata Electronics	2	0402 0.1uF 25V
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Поз. обозна– чение	Наименование	Кол.	Примечание
	GRM21BZ71E475KE15L Murata Electronics	1	0805 4.7uF 25V
	GRM1555CYA103JE01D Murata Electronics	1	0402 0.01u 35V
	GRM21BZ71E475KE15L Murata Electronics	1	0805 4.7uF 25V
	GRM155R71E104KE14J Murata Electronics	1	0402 0.1uF 25V
<i>C78,C79</i>	GRM21BZ71E475KE15L Murata Electronics	2	0805 4.7uF 25V
 	GRM155R71E104KE14J Murata Electronics	1	0402 0.1uF 25V
	GRM1555CYA103JE01D Murata Electronics	1	0402 0.01u 35V
<u> </u>	GRM1555C1H102JA01J Murata Electronics	1	0402 1n 50V
С83	GRM1555CYA103JE01D Murata Electronics	1	0402 0.01u 35V
<i>C84</i>	GRM1555C1H102JA01J Murata Electronics	1	0402 1n 50V
<i>C85</i>	GRM1555CYA103JE01D Murata Electronics	1	0402 0.01u 35V
С86	GRM1555C1H102JA01J Murata Electronics	1	0402 1n 50V
<i>C87</i>	GRM1555CYA103JE01D Murata Electronics	1	0402 0.01u 35V
C88	GQM1875C2E1R5BB12D Murata Electronics	1	0603 ±0.1pF NPC
<i>C89</i>	GQM1875C2E5R1BB12D Murata Electronics	1	0603 ±0.1pF NPC
<i>C90</i>	GQM1875C2E6R8BB12D Murata Electronics	1	0603 ±0.1pF NPC
<i>C91</i>	GQM1875C2E1ROBB12D Murata Electronics	1	0603 ±0.1pF NPC
<i>C92</i>	GQM1875C2ER75BB12D Murata Electronics	1	0603 ±0.1pF NPC
<i>C93</i>	GQM1875C2E100FB12D Murata Electronics	1	0603 ±1% NP0
<i>C94</i>	GQM1875C2E2R7BB12D Murata Electronics	1	0603 ±0.1pF NPC
<i>C95</i>	GQM1875C2E100FB12D Murata Electronics	1	0603 ±1% NP0
<i>C96</i>	GQM1875C2E180FB12D Murata Electronics	1	0603 ±1% NP0
<i>C</i> 97	GQM1875C2E1ROBB12D Murata Electronics	1	0603 ±0.1pF NPC
<i>C98</i>	GQM1875C2ER75BB12D Murata Electronics	1	0603 ±0.1pF NPC
<i>C99</i>	GQM1875C2E100FB12D Murata Electronics	1	0603 ±1% NP0
C100	GRM1555CYA103JE01D Murata Electronics	1	0402 0.01u 35V
C101	GQM1875C2E1R5BB12D Murata Electronics	1	0603 ±0.1pF NPC
C102	GQM1875C2E5R1BB12D Murata Electronics	1	0603 ±0.1pF NPC
C103	GQM1875C2E6R8BB12D Murata Electronics	1	0603 ±0.1pF NPC
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Поз. обозна– чение	Наименование	Кол.	Примечание
C104	GRM1555CYA103JE01D Murata Electronics	1	0402 0.01u 35V
C 104	C2012X5R1C106M085AC TDK	1	0805 10uF 16V
C 105	CO8BL242X–5UN–XOT Knowles Novacap	1	0805 10ai 10V 0805 2400pF 50V
C 100	GQM1875C2E5R1BB12D Murata Electronics	1	0603 ±0.1pF NP0
C 10 7	GQM1875C2E150FB12D Murata Electronics	1	0603 ±0.1p1 NP0
C 100	GQM1875C2E390FB12D Murata Electronics	1	0603 ±1% NP0
C 110	06031C103JAT2A AVX	1	0603 0.01uF 100V
	GRM1555CYA103JE01D Murata Electronics	1	0402 0.01u 35V
C112	GQM1875C2E1R5BB12D Murata Electronics	1	0603 ±0.1pF NP0
C112	GQM1875C2E3R0BB12D Murata Electronics	1	
C 114	GQM1875C2E100FB12D Murata Electronics	1	0603 ±0.1pF NP0 0603 ±1% NP0
C 114	GRM1555CYA103JE01D Murata Electronics	1	0603 ±1% NPU 0402 0.01u 35V
	GQM1875C2E5R1BB12D Murata Electronics	1	
C 110	GQM1875C2E150FB12D Murata Electronics	1	0603 ±0.1pF NP0 0603 ±1% NP0
	GQM1875C2E390FB12D Murata Electronics	1	0603 ±1% NP0 0603 ±1% NP0
C 110	GRM21BZ71E475KE15L Murata Electronics	1	0805 4.7uF 25V
C120		1	
C121,C122	CO8BL242X–5UN–XOT Knowles Novacap GRM1555CYA103JE01D Murata Electronics	2	0805 2400pF 50V 0402 0.01u 35V
C121,C122	GQM1875C2E1R5BB12D Murata Electronics	1	
C123	GQM1875C2E5R1BB12D Murata Electronics	1	0603 ±0.1pF NP0
C 124	GQM1875C2E6R8BB12D Murata Electronics		0603 ±0.1pF NP0
C125	GRM1555CYA103JE01D Murata Electronics	1	0603 ±0.1pF NP0 0402 0.01u 35V
		——————————————————————————————————————	
C127 C128	GQM1875C2E1ROBB12D Murata Electronics GQM1875C2ER75BB12D Murata Electronics	1	0603 ±0.1pF NP0
£ 120 £129	GQM1875C2ER75BB12D Murata Electronics	1	0603 ±0.1pF NP0 0603 ±1% NP0
C130	GQM1875C2E2R7BB12D Murata Electronics	1	
C 131	GQM1875C2E2R7BB12D Murata Electronics	1	0603 ±0.1pF NP0 0603 ±1% NP0
C132	GQM1875C2E100FB12D Murata Electronics	1	0603 ±1% NP0 0603 ±1% NP0
C 132			
LIJJ	GQM1875C2E1R0BB12D Murata Electronics	1	0603 ±0.1pF NP0
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	Наименование	Кол.	Примечание
C134	GQM1875C2ER75BB12D Murata Electronics	1	0603 ±0.1pF NP0
C135	GQM1875C2E100FB12D Murata Electronics	1	0603 ±1% NP0
C136	GQM1875C2E1R5BB12D Murata Electronics	1	0603 ±0.1pF NP0
<i>C137</i>	GQM1875C2E5R1BB12D Murata Electronics	1	0603 ±0.1pF NP0
C138	GQM1875C2E6R8BB12D Murata Electronics	1	0603 ±0.1pF NP0
C139	GRM1555CYA103JE01D Murata Electronics	1	0402 0.01u 35V
C140	GRM1555C1H102JA01J Murata Electronics	1	0402 1n 50V
C141	GRM1555CYA103JE01D Murata Electronics	1	0402 0.01u 35V
C142	GRM1555C1H102JA01J Murata Electronics	1	0402 1n 50V
C143	GRM1555CYA103JE01D Murata Electronics	1	0402 0.01u 35V
C144	GRM1555C1H102JA01J Murata Electronics	1	0402 1n 50V
C145,C146	GRM1555CYA103JE01D Murata Electronics	2	0402 0.01u 35V
C147	GRM155R71E104KE14J Murata Electronics	1	0402 0.1uF 25V
C148	TPSA226K006R0300 AVX	1	1206 22uF 6V3
C149-C151	GRM155R71E104KE14J Murata Electronics	3	0402 0.1uF 25V
C152	GRM1555CYA103JE01D Murata Electronics	1	0402 0.01u 35V
C153,C154	GRM155R71E104KE14J Murata Electronics	2	0402 0.1uF 25V
C155	GRM1555CYA103JE01D Murata Electronics	1	0402 0.01u 35V
C156	GRM155R71E104KE14J Murata Electronics	1	0402 0.1uF 25V
C157	CO8BL242X–5UN–XOT Knowles Novacap	1	0805 2400pF 50V
C158	GRM1555CYA103JE01D Murata Electronics	1	0402 0.01u 35V
C159	GJM1555C1H470GB01D Murata Electronics	1	0402 47p 50V
<i>C160–C164</i>	GRM1555CYA103JE01D Murata Electronics	5	0402 0.01u 35V
C165	GCM1555C1H101JA16D Murata Electronics	1	0402 100p 50V
C166	GRM1555C1H102JA01J Murata Electronics	1	0402 1n 50V
C167	GRM155R71E104KE14J Murata Electronics	1	0402 0.1uF 25V
C168	TPSA226K006R0300 AVX	1	1206 22uF 6V3
C169–C174	GRM155R71E104KE14J Murata Electronics	6	0402 0.1uF 25V
	TPSA226K006R0300 AVX	1	1206 22uF 6V3

обозна– чение	Наименование	Кол.	Примечание
	GRM155R71E104KE14J Murata Electronics	1	0402 0.1uF 25V
<i>C177</i>	GRM21BZ71E475KE15L Murata Electronics	1	0805 4.7uF 25V
C178,C179	GRM1555CYA103JE01D Murata Electronics	2	0402 0.01u 35V
C180,C181	GJM1555C1H18OJBO1D Murata Electronics	2	0402 18p 50V
C182	GRM155R71E104KE14J Murata Electronics	1	0402 0.1uF 25V
C183,C184	GCM155R71E682KA37D Murata Electronics	2	0402 6.8n 25V
C185	GJM1555C1H1ROBBO1D Murata Electronics	1	0402 1p 50V
C186	GCM155R71E223KA55D Murata Electronics	1	0402 22n 25V
DA1	Микросхема NPA1003QA MACOM	1	16dB 5W
	Дроссели ферритовые		
FB1,FB2	BLM18SP300SN1D Murata Electronics	2	0603 30R @100MH
FB3	BLM18SP300SN1D Murata Electronics	1	0603 30R @100MH
FB4	MMZ1005Y400CTD25 TDK	1	0402 40R @100Mh
FB5	BLM18SP300SN1D Murata Electronics	1	0603 30R @100MF
FB6	MMZ1005Y400CTD25 TDK	1	0402 40R @100Mh
FB7,FB8	BLM18SP300SN1D Murata Electronics	2	0603 30R @100MH
FB9-FB13	MMZ1005Y400CTD25 TDK	5	0402 40R @100MF
FB14	BLM18SP300SN1D Murata Electronics	1	0603 30R @100MH
FB15	MMZ1005Y400CTD25 TDK	1	0402 40R @100MF
FB16,FB17	BLM18SP300SN1D Murata Electronics	2	0603 30R @100MH
FB18	MMZ1005Y400CTD25 TDK	1	0402 40R @100MF
FB19-FB24	BLM18SP300SN1D Murata Electronics	6	0603 30R @100MH
GB1,GB2	Батарея LP–1850–103450UN ROBITON	2	Li–pol 1850мАч
	Микросхемы		
	MPQ28164GD–Z Monolithic Power Systems (MPS)	1	1.55V

Формат

L4 74479299210 Würth Elektronik 1 1uH 3A 46m0hm L5 LQG15HN10NJ02D Murata Electronics 1 10nH 500mA 0.290h L6 74438356022 Würth Elektronik 1 2.2uH 4.7A 35m0hi				Примечание
ICS MAX17055EWL+ Maxim Integrated 1 IC6 MP2617HGL-P Monolithic Power Systems (MPS) 1 IC7 STM32L4S9All6 STMicroelectronics 1 IC8 TS7323KMTRPBF Tagore Technology 1 IC9/IC10 TS7242FKMTRPBF Tagore Technology 2 IC11 TS7323KMTRPBF Tagore Technology 1 IC12/IC13 TS7242FKMTRPBF Tagore Technology 2 IC14 SX1276IMLTRT SEMTECH 1 IC15 W5500 Wiznet Technology 1 IC15 W5500 Wiznet Technology 1 IC16 Kamyuwu undukmubhocmu 1 L1 74479299210 Würth Elektronik 1 L2,L3 CBC3225T4R7MR Taiya Yuden 2 L4 74479299210 Würth Elektronik 1 L5 LQG15HN10NJ02D Murata Electronics 1 L6 74438356022 Würth Elektronik 1 L7-L10 LQG15HNR10J02D Murata Electronics 1 L11 LQW18AN15NG8ZD Murata Electronics 1 L12 LQW18AN51NG8ZD Murata Electronics 1 L13 LQW18ANS1NG8ZD Murata Electronics 1 <tr< td=""><td>IC2,IC3</td><td>MP3213DQ-LF-Z Monolithic Power Systems (MPS)</td><td>2</td><td>322V</td></tr<>	IC2,IC3	MP3213DQ-LF-Z Monolithic Power Systems (MPS)	2	322V
IC6 MP2617HGL-P Monalithic Power Systems (MPS) 1 IC7 STM32L4S9All6 STMicroelectronics 1 IC8 TS7323KMTRPBF Tagore Technology 1 IC9IC10 TS7242FKMTRPBF Tagore Technology 2 IC11 TS7323KMTRPBF Tagore Technology 1 IC12,IC13 TS7242FKMTRPBF Tagore Technology 2 IC14 SX1276IMLTRT SEMTECH 1 IC15 W5500 Wiznet Technology 1 IC15 W5500 Wiznet Technology 1 Kamyuwu undukmubhocmu 1 L1 74479299210 Würth Elektronik 1 L2,L3 CBC3225T4R7MR Taiyo Yuden 2 L4 74479299210 Würth Elektronik 1 L5 LQG15HNNONJO2D Murata Electronics 1 L6 74438356022 Würth Elektronik 1 L7-L10 LQG15HNR10J02D Murata Electronics 1 L11 LQW18AN15NG8ZD Murata Electronics 1 L12 LQW18AN15NG8ZD Murata Electronics 1 L13 LQW18AN15NG8ZD Murata Electronics 1 L14 LQW18ANSING8ZD Murata Electronics 1 L15<	IC4	MP1400GC–Z Monolithic Power Systems (MPS)	1	-0.96V
ICT STM32L4S9Al6 STMicroelectronics 1 ICB TS7323KMTRPBF Tagore Technology 1 IC9,IC10 TS7242FKMTRPBF Tagore Technology 2 IC11 TS7323KMTRPBF Tagore Technology 1 IC12,IC13 TS7242FKMTRPBF Tagore Technology 2 IC14 SX1276IMLTRT SEMTECH 1 IC15 W5500 Wiznet Technology 1 IC15 W5500 Wiznet Technology 1 L1 74479299210 Würth Elektronik 1 L2,L3 CBC3225T4R7MR Taiyo Yuden 2 L4 74479299210 Würth Elektronik 1 L5 LGG15HN10NJ02D Murata Electronics 1 L6 74438356022 Würth Elektronik 1 L7-L10 LQG15HNR10J02D Murata Electronics 4 L11 LQW18AN6N2G8ZD Murata Electronics 1 L12 LQW18AN15NG8ZD Murata Electronics 1 L13 LQW18AN33NG8ZD Murata Electronics 1 L14 LQW18AN31NG8ZD Murata Electronics 1 L15 LQW18AN33NG8ZD Murata Electronics 1 L16 LQW18AN33NG8ZD Murata Electronics 1	IC5	MAX17055EWL+ Maxim Integrated	1	
ICB TS7323KMTRPBF Tagore Technology 1 SPDT IC9,IC10 TS7242FKMTRPBF Tagore Technology 2 SP4T IC11 TS7323KMTRPBF Tagore Technology 1 SPDT IC12,IC13 TS7242FKMTRPBF Tagore Technology 2 SP4T IC14 SX1276IMLTRT SEMTECH 1 LoRa RF IC15 W5500 Wiznet Technology 1 L1 74479299210 Würth Elektronik 1 1uH 3A 46m0hm L2,L3 CBC3225T4R7MR Taiya Yuden 2 4.7uH 1A 130m0hn L4 74479299210 Würth Elektronik 1 1uH 3A 46m0hm L5 LGG15HN10NJ02D Murata Electronics 1 10nH 500mA 0.290i L6 74438356022 Würth Elektronik 1 2uH 4.7A 35m0hn L7-L10 LQG15HNR10J02D Murata Electronics 4 100nH 200mA 160i L11 LQW18AN6N2G8ZD Murata Electronics 1 0603 2% L12 LQW18AN6N2G8ZD Murata Electronics 1 0603 2% L14 LQW18AN6N2G8ZD Murata Electronics 1 0603 2% L15 LQW	IC6	MP2617HGL-P Monolithic Power Systems (MPS)	1	
IC9,IC10 TS7242FKMTRPBF Tagore Technology 2 SP4T IC11 TS7323KMTRPBF Tagore Technology 1 SPDT IC12,IC13 TS7242FKMTRPBF Tagore Technology 2 SP4T IC14 SX1276IMLTRT SEMTECH 1 LoRa RF IC15 W5500 Wiznet Technology 1 L1 74479299210 Würth Elektronik 1 1uH 3A 46m0hm L2,L3 CBC3225T4R7MR Taiyo Yuden 2 4.7uH 1A 130m0hm L4 74479299210 Würth Elektronik 1 1uH 3A 46m0hm L5 LQG15HN10NJ02D Murata Electronics 1 10nH 500mA 0.290l L6 74438356022 Würth Elektronik 1 22uH 4.7A 35m0h L7-L10 LQG15HNR10J02D Murata Electronics 4 100nH 200mA 160l L11 LQW18AN6N2G8ZD Murata Electronics 1 0603 2% L12 LQW18AN6N2G8ZD Murata Electronics 1 0603 2% L15 LQW18AN3NG8ZD Murata Electronics 1 0603 2% L16 LQW18AN3NG8ZD Murata Electronics 1 0603 2% L17-L19 LQG15HNR10J02D Murata Electronics 1 0603 2% <td< td=""><td>IC7</td><td>STM32L4S9All6 STMicroelectronics</td><td>1</td><td></td></td<>	IC7	STM32L4S9All6 STMicroelectronics	1	
IC11 TS7323KMTRPBF Tagore Technology 1 SPDT IC12/IC13 TS7242FKMTRPBF Tagore Technology 2 SP4T IC14 SX1276IMLTRT SEMTECH 1 LoRa RF IC15 W5500 Wiznet Technology 1 L1 74479299210 Würth Elektronik 1 1uH 3A 46m0hm L2,L3 CBC3225T4R7MR Taiyo Yuden 2 4.7uH 1A 130m0hn L4 74479299210 Würth Elektronik 1 1uH 3A 46m0hm L5 LQG15HN10NJ02D Murata Electronics 1 10nH 500mA 0.290l L6 74438356022 Würth Elektronik 1 2uH 4.7A 35m0h L7-L10 LQG15HNR10J02D Murata Electronics 4 100nH 200mA 160l L11 LQW18AN6N2G8ZD Murata Electronics 1 0603 2% L12 LQW18AN33NG8ZD Murata Electronics 1 0603 2% L14 LQW18AN31NG8ZD Murata Electronics 1 0603 2% L15 LQW18AN33NG8ZD Murata Electronics 1 0603 2% L16 LQW18AN33NG8ZD Murata Electronics 1 0603 2% L17-L19 LQG15HNR10J02D Murata Electronics 3 100nH 200mA 160l	IC8	TS7323KMTRPBF Tagore Technology	1	SPDT
IC12,IC13 TS7242FKMTRPBF Tagore Technology 2 SP4T IC14 SX1276IMLTRT SEMTECH 1 LoRa RF IC15 W5500 Wiznet Technology 1 Kamyuwu uндуктивности 1 1 Jul 3A 46m0hm L2,L3 CBC3225T4R7MR Taiyo Yuden 2 4,7ul 1A 130m0hn L4 74479299210 Würth Elektronik 1 1 Jul 3A 46m0hm L5 L0G15HN10NJ02D Murata Electronics 1 10nl 500mA 0.290l L6 74438356022 Würth Elektronik 1 2 2ul 4.7A 35m0h L7-L10 L0G15HNR10J02D Murata Electronics 4 100nH 200mA 160l L11 L0W18AN6N2G8ZD Murata Electronics 1 0603 2% L12 L0W18AN33NG8ZD Murata Electronics 1 0603 2% L14 L0W18AN3NG8ZD Murata Electronics 1 0603 2% L15 L0W18AN3NG8ZD Murata Electronics 1 0603 2% L16 L0W18AN3NG8ZD Murata Electronics 1 0603 2% L17-L19 L0G15HNR10J02D Murata Electronics 1 0603 2% L17-L19 L0G15HNR10J02D Murata Electronics 1 0603 2% L17-L19	IC9,IC10	TS7242FKMTRPBF Tagore Technology	2	SP4T
IC14 SX1276IMLTRT SEMTECH 1 LoRa RF IC15 W5500 Wiznet Technology 1 Kamyuku undykmubhocmu 1 1uH 3A 46m0hm L1 74479299210 Würth Elektronik 1 1uH 3A 46m0hm L2,L3 CBC3225T4R7MR Taiyo Yuden 2 4.7uH 1A 130m0hm L4 74479299210 Würth Elektronik 1 1uH 3A 46m0hm L5 LQG15HN10NJ020 Murata Electronics 1 10nH 500mA 0.290l L6 74438356022 Würth Elektronik 1 2uH 4.7A 35m0h L7-L10 LQG15HNR10J020 Murata Electronics 4 100nH 200mA 160l L11 LQW18AN6N2G8ZD Murata Electronics 1 0603 2% L12 LQW18AN3NG8ZD Murata Electronics 1 0603 2% L14 LQW18AN15NG8ZD Murata Electronics 1 0603 2% L15 LQW18AN3NG8ZD Murata Electronics 1 0603 2% L16 LQW18AN3NG8ZD Murata Electronics 1 0603 2% L17-L19 LQG15HNR10J020 Murata Electronics 3 100nH 200mA 160l L20 LQW18AN5N6G8ZD Murata Electronics 1 0603 2% L17 <t< td=""><td>IC11</td><td>TS7323KMTRPBF Tagore Technology</td><td>1</td><td>SPDT</td></t<>	IC11	TS7323KMTRPBF Tagore Technology	1	SPDT
IC15 W5500 Wiznet Technology 1 Катушки индуктивности 1 L1 74479299210 Würth Elektronik 1 L2,L3 CBC3225T4R7MR Taiyo Yuden 2 L4 74479299210 Würth Elektronik 1 L5 LQG15HN10NJ02D Murata Electronics 1 L6 74438356022 Würth Elektronik 1 L7-L10 LQG15HNR10J02D Murata Electronics 4 L11 LQW18AN6N2G8ZD Murata Electronics 1 L12 LQW18AN15NG8ZD Murata Electronics 1 L13 LQW18AN33NG8ZD Murata Electronics 1 L14 LQW18AN6N2G8ZD Murata Electronics 1 L15 LQW18AN15NG8ZD Murata Electronics 1 L16 LQW18AN33NG8ZD Murata Electronics 1 L16 LQW18AN33NG8ZD Murata Electronics 1 L16 LQW18AN5NG6ZD Murata Electronics 3 L17-L19 LQG15HNR10J02D Murata Electronics 3 L20 LQW18AN5NG6SZD Murata Electronics 1 L20 LQW18AN8N2G8ZD Murata Electronics 1 L21 LQW18AN8N2G8ZD Murata Electronics 1 <	IC12,IC13	TS7242FKMTRPBF Tagore Technology	2	SP4T
Kamywku undykmubnocmu L1 74479299210 Würth Elektronik 1 1uH 3A 46m0hm L2,L3 CBC3225T4R7MR Taiyo Yuden 2 4.7uH 1A 130m0hn L4 74479299210 Würth Elektronik 1 1uH 3A 46m0hm L5 LQG15HN10NJ02D Murata Electronics 1 10nH 500mA 0.290l L6 74438356022 Würth Elektronik 1 22uH 4.7A 35m0h L7-L10 LQG15HNR10J02D Murata Electronics 4 100nH 200mA 160l L11 LQW18AN6N2G8ZD Murata Electronics 1 0603 2% L12 LQW18AN33NG8ZD Murata Electronics 1 0603 2% L14 LQW18AN33NG8ZD Murata Electronics 1 0603 2% L15 LQW18AN33NG8ZD Murata Electronics 1 0603 2% L16 LQW18AN33NG8ZD Murata Electronics 1 0603 2% L17-L19 LQG15HNR10J02D Murata Electronics 3 100nH 200mA 160l L20 LQW18AN5NG68ZD Murata Electronics 1 0603 2% L21 LQW18AN8N2G8ZD Murata Electronics 1 0603 2%	IC14	SX1276IMLTRT SEMTECH	1	LoRa RF
L1 74479299210 Würth Elektronik 1 1uH 3A 46m0hm L2,L3 CBC3225T4R7MR Taiyo Yuden 2 4.7uH 1A 130m0hm L4 74479299210 Würth Elektronik 1 1uH 3A 46m0hm L5 LQG15HN10NJ02D Murata Electronics 1 10nH 500mA 0.290l L6 74438356022 Würth Elektronik 1 2.2uH 4.7A 35m0h L7-L10 LQG15HNR10J02D Murata Electronics 4 100nH 200mA 160l L11 LQW18AN6N2G8ZD Murata Electronics 1 0603 2% L12 LQW18AN33NG8ZD Murata Electronics 1 0603 2% L14 LQW18AN3NG8ZD Murata Electronics 1 0603 2% L15 LQW18AN15NG8ZD Murata Electronics 1 0603 2% L16 LQW18AN33NG8ZD Murata Electronics 1 0603 2% L17-L19 LQG15HNR10J02D Murata Electronics 3 100nH 200mA 160h L20 LQW18AN5N6G8ZD Murata Electronics 1 0603 2% L21 LQW18AN8N2G8ZD Murata Electronics 1 0603 2%	IC15	W5500 Wiznet Technology	1	
L2,L3 CBC3225T4R7MR Taiyo Yuden 2 4.7uH 1A 130m0hm L4 74479299210 Würth Elektronik 1 1uH 3A 46m0hm L5 LQG15HN10NJ02D Murata Electronics 1 10nH 500mA 0.290l L6 74438356022 Würth Elektronik 1 2.2uH 4.7A 35m0h L7-L10 LQG15HNR10J02D Murata Electronics 4 100nH 200mA 1.60l L11 LQW18AN6N2G8ZD Murata Electronics 1 0603 2% L12 LQW18AN3SNG8ZD Murata Electronics 1 0603 2% L14 LQW18AN6N2G8ZD Murata Electronics 1 0603 2% L15 LQW18AN15NG8ZD Murata Electronics 1 0603 2% L16 LQW18AN33NG8ZD Murata Electronics 1 0603 2% L17-L19 LQG15HNR10J02D Murata Electronics 3 100nH 200mA 1.60l L20 LQW18AN5N6G8ZD Murata Electronics 1 0603 2% L21 LQW18AN8N2G8ZD Murata Electronics 1 0603 2%		Катушки индуктивности		
L4 74479299210 Würth Elektronik 1 1uH 3A 46m0hm L5 LQG15HN10NJ02D Murata Electronics 1 10nH 500mA 0.290l L6 74438356022 Würth Elektronik 1 2.2uH 4.7A 35m0h L7-L10 LQG15HNR10J02D Murata Electronics 4 100nH 200mA 1.60l L11 LQW18AN6N2G8ZD Murata Electronics 1 0603 2% L12 LQW18AN15NG8ZD Murata Electronics 1 0603 2% L13 LQW18AN3NG8ZD Murata Electronics 1 0603 2% L14 LQW18AN6N2G8ZD Murata Electronics 1 0603 2% L15 LQW18AN3NG8ZD Murata Electronics 1 0603 2% L16 LQW18AN3NG8ZD Murata Electronics 1 0603 2% L17-L19 LQG15HNR10J02D Murata Electronics 3 100nH 200mA 1.60l L20 LQW18AN5N6G8ZD Murata Electronics 1 0603 2% L21 LQW18AN8N2G8ZD Murata Electronics 1 0603 2%	L1	74479299210 Würth Elektronik	1	1uH 3A 46m0hm
L5 LQG15HN10NJ02D Murata Electronics 1 10nH 500mA 0.290H L6 74438356022 Würth Elektronik 1 2.2uH 4.7A 35m0h L7-L10 LQG15HNR10J02D Murata Electronics 4 100nH 200mA 1.60H L11 LQW18AN6N2G8ZD Murata Electronics 1 0603 2% L12 LQW18AN15NG8ZD Murata Electronics 1 0603 2% L13 LQW18AN33NG8ZD Murata Electronics 1 0603 2% L14 LQW18AN6N2G8ZD Murata Electronics 1 0603 2% L15 LQW18AN15NG8ZD Murata Electronics 1 0603 2% L16 LQW18AN33NG8ZD Murata Electronics 1 0603 2% L17-L19 LQG15HNR10J02D Murata Electronics 3 100nH 200mA 1.60H L20 LQW18AN5N6G8ZD Murata Electronics 1 0603 2% L21 LQW18AN8N2G8ZD Murata Electronics 1 0603 2%	L2,L3	CBC3225T4R7MR Taiyo Yuden	2	4.7uH 1A 130m0hn
L6 74438356022 Würth Elektronik 1 2.2uH 4.7A 35m0hi L7-L10 LQG15HNR10J02D Murata Electronics 4 100nH 200mA 1.60h L11 LQW18AN6N2G8ZD Murata Electronics 1 0603 2% L12 LQW18AN15NG8ZD Murata Electronics 1 0603 2% L13 LQW18AN33NG8ZD Murata Electronics 1 0603 2% L14 LQW18AN6N2G8ZD Murata Electronics 1 0603 2% L15 LQW18AN15NG8ZD Murata Electronics 1 0603 2% L16 LQW18AN33NG8ZD Murata Electronics 1 0603 2% L17-L19 LQG15HNR10J02D Murata Electronics 3 100nH 200mA 1.60h L20 LQW18AN5N6G8ZD Murata Electronics 1 0603 2% L21 LQW18AN8N2G8ZD Murata Electronics 1 0603 2%	L4	74479299210 Würth Elektronik	1	1uH 3A 46m0hm
L7-L10 LQG15HNR10J02D Murata Electronics 4 100nH 200mA 160H L11 LQW18AN6N2G8ZD Murata Electronics 1 0603 2% L12 LQW18AN15NG8ZD Murata Electronics 1 0603 2% L13 LQW18AN33NG8ZD Murata Electronics 1 0603 2% L14 LQW18AN6N2G8ZD Murata Electronics 1 0603 2% L15 LQW18AN15NG8ZD Murata Electronics 1 0603 2% L16 LQW18AN33NG8ZD Murata Electronics 1 0603 2% L17-L19 LQG15HNR10J02D Murata Electronics 3 100nH 200mA 160H L20 LQW18AN5N6G8ZD Murata Electronics 1 0603 2% L21 LQW18AN8N2G8ZD Murata Electronics 1 0603 2%	L5	LQG15HN10NJ02D Murata Electronics	1	10nH 500mA 0.290t
L11 LQW18AN6N2G8ZD Murata Electronics 1 0603 2% L12 LQW18AN15NG8ZD Murata Electronics 1 0603 2% L13 LQW18AN33NG8ZD Murata Electronics 1 0603 2% L14 LQW18AN6N2G8ZD Murata Electronics 1 0603 2% L15 LQW18AN15NG8ZD Murata Electronics 1 0603 2% L16 LQW18AN33NG8ZD Murata Electronics 1 0603 2% L17-L19 LQG15HNR10J02D Murata Electronics 3 100nH 200mA 160h L20 LQW18AN5N6G8ZD Murata Electronics 1 0603 2% L21 LQW18AN8N2G8ZD Murata Electronics 1 0603 2%	L6	74438356022 Würth Elektronik	1	2.2uH 4.7A 35m0hi
L12 LQW18AN15NG8ZD Murata Electronics 1 0603 2% L13 LQW18AN33NG8ZD Murata Electronics 1 0603 2% L14 LQW18AN6N2G8ZD Murata Electronics 1 0603 2% L15 LQW18AN15NG8ZD Murata Electronics 1 0603 2% L16 LQW18AN33NG8ZD Murata Electronics 1 0603 2% L17-L19 LQG15HNR10J02D Murata Electronics 3 100nH 200mA 160h L20 LQW18AN5N6G8ZD Murata Electronics 1 0603 2% L21 LQW18AN8N2G8ZD Murata Electronics 1 0603 2%	L7-L10	LQG15HNR10J02D Murata Electronics	4	100nH 200mA 1.60h
L13 LQW18AN33NG8ZD Murata Electronics 1 0603 2% L14 LQW18AN6N2G8ZD Murata Electronics 1 0603 2% L15 LQW18AN15NG8ZD Murata Electronics 1 0603 2% L16 LQW18AN33NG8ZD Murata Electronics 1 0603 2% L17-L19 LQG15HNR10J02D Murata Electronics 3 100nH 200mA 1.60h L20 LQW18AN5N6G8ZD Murata Electronics 1 0603 2% L21 LQW18AN8N2G8ZD Murata Electronics 1 0603 2%	L11	LQW18AN6N2G8ZD Murata Electronics	1	0603 2%
L14 LQW18AN6N2G8ZD Murata Electronics 1 0603 2% L15 LQW18AN15NG8ZD Murata Electronics 1 0603 2% L16 LQW18AN33NG8ZD Murata Electronics 1 0603 2% L17-L19 LQG15HNR10J02D Murata Electronics 3 100nH 200mA 1.60h L20 LQW18AN5N6G8ZD Murata Electronics 1 0603 2% L21 LQW18AN8N2G8ZD Murata Electronics 1 0603 2%	L12	LQW18AN15NG8ZD Murata Electronics	1	0603 2%
L15 LQW18AN15NG8ZD Murata Electronics 1 0603 2% L16 LQW18AN33NG8ZD Murata Electronics 1 0603 2% L17-L19 LQG15HNR10J02D Murata Electronics 3 100nH 200mA 1.60h L20 LQW18AN5N6G8ZD Murata Electronics 1 0603 2% L21 LQW18AN8N2G8ZD Murata Electronics 1 0603 2%	L13	LQW18AN33NG8ZD Murata Electronics	1	0603 2%
L16 LQW18AN33NG8ZD Murata Electronics 1 0603 2% L17-L19 LQG15HNR10J02D Murata Electronics 3 100nH 200mA 1.60h L20 LQW18AN5N6G8ZD Murata Electronics 1 0603 2% L21 LQW18AN8N2G8ZD Murata Electronics 1 0603 2%	L 14	LQW18AN6N2G8ZD Murata Electronics	1	0603 2%
L17-L19 LQG15HNR10J02D Murata Electronics 3 100nH 200mA 1.60h L20 LQW18AN5N6G8ZD Murata Electronics 1 0603 2% L21 LQW18AN8N2G8ZD Murata Electronics 1 0603 2%	L 15	LQW18AN15NG8ZD Murata Electronics	1	0603 2%
L20LQW18AN5N6G8ZD Murata Electronics10603 2%L21LQW18AN8N2G8ZD Murata Electronics10603 2%	L 16	LQW18AN33NG8ZD Murata Electronics	1	0603 2%
L21 LQW18AN8N2G8ZD Murata Electronics 1 0603 2%	L17-L19	LQG15HNR10J02D Murata Electronics	3	100nH 200mA 1.60h
	L20	LQW18AN5N6G8ZD Murata Electronics	1	0603 2%
L22 LQW18AN27NG8ZD Murata Electronics 1 0603 2%	L21	LQW18AN8N2G8ZD Murata Electronics	1	0603 2%
	L22	LQW18AN27NG8ZD Murata Electronics	1	0603 2%

Поз. обозна– чение	Наименование	Кол.	Примечание
	1008AF-901XJLC Coilcraft	1	0.9uH 1.3A 100m0hr
	LQW18AN18NG8ZD Murata Electronics	1	0603 2%
 L25	LQW18AN39NG8ZD Murata Electronics	1	0603 2%
 L26	LQW18ANR11G8ZD Murata Electronics	1	0603 2%
	LQW18AN5N6G8ZD Murata Electronics	1	0603 2%
L28	LQW18AN8N2G8ZD Murata Electronics	1	0603 2%
	LQW18AN27NG8ZD Murata Electronics	1	0603 2%
L30	1008AF–901XJLC Coilcraft	1	0.9uH 1.3A 100m0hi
L31-L33	LQG15HNR10J02D Murata Electronics	3	100nH 200mA 1.60h.
L34	LQW18AN6N2G8ZD Murata Electronics	1	0603 2%
L35	LQW18AN15NG8ZD Murata Electronics	1	0603 2%
L36	LQW18AN33NG8ZD Murata Electronics	1	0603 2%
L37	LQG15HNR10J02D Murata Electronics	1	100nH 200mA 1.60h
L38	LQW18AN6N2G8ZD Murata Electronics	1	0603 2%
L39	LQW18AN15NG8ZD Murata Electronics	1	0603 2%
L40	LQW18AN33NG8ZD Murata Electronics	1	0603 2%
L41-L45	LQG15HNR10J02D Murata Electronics	5	100nH 200mA 1.60h
L46	LQW18AN33NJ8ZD Murata Electronics	1	33nH 1.1A 110m0hm
L47	LQW18ANR10J8ZD Murata Electronics	1	100nH 0.19A 0.630h
	Резисторы		
R1	RCO402FR-071K5L YAGEO	1	0402 1%
R2,R3	RCO402FR-0722RL YAGEO	2	0402 1%
R4-R11	RCO402FR-07100RL YAGEO	8	0402 1%
R12	RCO402FR-07100RL YAGEO	1	0402 1%
R13	RCO402FR-0747KL YAGEO	1	0402 1%
R14	RCO402FR-074K7L YAGEO	1	0402 1%
R15	RCO402FR-07100KL YAGEO	1	0402 1%
R16	RCO402FR-07560KL YAGEO	1	0402 1%
зм. Лист	№ докум. Подп. Дата	107110.016	б <i>ПЭ</i> 3

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Поз. обозна– чение	Наименование	Кол.	Примечание
 R17	RCO402FR-07100KL YAGEO	1	0402 1%
 R18	RCO402FR-07100RL YAGEO	1	0402 1%
 R19	RCO402FR-0747KL YAGEO	1	0402 1%
	RCO402FR-0715KL YAGEO	1	0402 1%
R21	RCO402FR-07102KL YAGEO	1	0402 1%
R22	RCO402FR-0710KL YAGEO	1	0402 1%
R23	RCO402FR-07100RL YAGEO	1	0402 1%
R24	RCO4O2FR-0747KL YAGEO	1	0402 1%
R25	RCO4O2FR-0715KL YAGEO	1	0402 1%
R26	RCO4O2FR-0775KL YAGEO	1	0402 1%
R27	RCO402FR-0710KL YAGEO	1	0402 1%
R28	RCO402FR-07100RL YAGEO	1	0402 1%
R29	RCO402FR-0747KL YAGEO	1	0402 1%
R30	RCO402FR-0724K9L YAGEO	1	0402 1%
R31	RCO402FR-07105KL YAGEO	1	0402 1%
R32-R34	RCO402FR-0710KL YAGEO	3	0402 1%
R35	EXB–N8V101JX Panasonic	1	0804 5%
R36-R38	RCO4O2FR-0710ORL YAGEO	3	0402 1%
R39	RCO402FR-0768KL YAGEO	1	0402 1%
R40	RCO402FR-075K1L YAGEO	1	0402 1%
R41–R43	RCO402FR-07100RL YAGEO	3	0402 1%
R44	RCO402FR-074K7L YAGEO	1	0402 1%
R45-R47	EXB-N8V101JX Panasonic	3	0804 5%
R48	RCO402FR-0751RL YAGEO	1	0402 1%
R49	RCO402FR-07100RL YAGEO	1	0402 1%
R50	RCO402FR-070RL YAGEO	1	0402 1%
R51	RCO402FR-0721KL YAGEO	1	0402 1%
R52	RCO402FR-0710KL YAGEO	1	0402 1%
R53	NCP15XH103D03RC Murata Electronics	1	0402 NTC
эм. Лист	№ докум. Подп. Дата		ПЭ3

Формат

Α4

обозна– чение	Наименование	Кол.	Примечание
 R54	RCO402FR-077K15L YAGEO	1	0402 1%
R55	RCO402FR-0727K4L YAGEO	1	0402 1%
R56	NCP15XH103D03RC Murata Electronics	1	0402 NTC
R57	LVTO4R0050FER Ohmite	1	0402 1%
R58-R61	RCO402FR-0710KL YAGEO	4	0402 1%
R62-R66	RCO402FR-07100RL YAGEO	5	0402 1%
R67,R68	RCO402FR-0710KL YAGEO	2	0402 1%
R69	RCO402FR-0726K7L YAGEO	1	0402 1%
 R70	RCO402FR-0715K4L YAGEO	1	0402 1%
R71–R73	RCO402FR-074K7L YAGEO	3	0402 1%
R74-R76	RCO402FR-07100RL YAGEO	3	0402 1%
R77	RCO402FR-071K8L YAGEO	1	0402 1%
R78,R79	RCO402FR-0710KL YAGEO	2	0402 1%
R80	RCO402FR-071KL YAGEO	1	0402 1%
R81	RCO402FR-07470KL YAGEO	1	0402 1%
R82,R83	RCO402FR-07100RL YAGEO	2	0402 1%
R84	RCO402FR-0712KL YAGEO	1	0402 1%
R85	RCO402FR-0710KL YAGEO	1	0402 1%
R86	ERJ-6ENF49R9V Panasonic	1	
R87–R94	RCO402FR-07100RL YAGEO	8	0402 1%
R95-R97	EXB-N8V101JX Panasonic	3	0804 5%
R98-R100	RCO402FR-070RL YAGEO	3	0402 1%
R101	RCO402FR-0710ML YAGEO	1	0402 1%
R102	RCO402FR-0712K4L YAGEO	1	0402 1%
R103	RCO402FR-071ML YAGEO	1	0402 1%
R104	RCO402FR-070RL YAGEO	1	0402 1%
R105–R108	RCO402FR-07100KL YAGEO	4	0402 1%
R109–R111	RCO402FR-070RL YAGEO	3	0402 1%
R112,R113	RCO402FR-0710KL YAGEO	2	0402 1%
вм.Лист	№ докум. Подп. Дата	107110.016	ПЭ3

обозна– чение	Наименование	Кол.	Примечание
R114	EXB–N8V103JX Panasonic	1	0804 5%
R115,R116	RCO4O2FR-07100RL YAGEO	2	0402 1%
R117	EXB–N8V101JX Panasonic	1	0804 5%
R118,R119	RCO4O2FR-0749R9L YAGEO	2	0402 1%
R120	RCO4O2FR-0747KL YAGEO	1	0402 1%
R121	RCO402FR-07100RL YAGEO	1	0402 1%
R122,R123	RCO402FR-0747KL YAGEO	2	0402 1%
R124	RCO402FR-0775RL YAGEO	1	0402 1%
R125	ERJ–6ENF49R9V Panasonic	1	
R126	RCO4O2FR-0775RL YAGEO	1	0402 1%
R127	ERJ–6ENF49R9V Panasonic	1	
R128	RCO402FR-0710RL YAGEO	1	0402 1%
	Устройства коммутационные		
S1,S2	SLG59M309V Dialog Semiconductor GmbH	2	
S3	TMUX1101DCKR Texas Instruments	1	
S4,S5	TPS22908YZTR Texas Instruments	2	
SC1	Ионистр СРН3225A Seiko Instruments Micro Energy	1	1210 11mF 3.3V
T1	Трансформатор SM13126PEL Bourns	1	
	Диоды		
VD1	CDBQR0130R Comchip Technology	1	0402 30V 0.1A
VD2-VD4	CCS15S4O,L3F Toshiba	3	0603 40V 1.5A
VD5,VD6	CDBQR0130R Comchip Technology	2	0402 30V 0.1A
VD7	CCS15S4O,L3F Toshiba	1	0603 40V 1.5A
VD8	CDBQR0130R Comchip Technology	1	0402 30V 0.1A
	РИСП. 7М07	110 016	חם ז

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Поз. обозна– чение	Наименование	Кол.	Примечание
WA1	Антенна ANT-433-CW-QW-SMA-male AntennaFactor by Linx	1	400–470 MHz 3.3db
	Соединители		
X1,X2	Big Circle Pad	2	
X3	Big Circle Pad	1	
XA1,XA2	Токосъемник 0861–0–15–20–82–14–11–0 MILL–MAX	2	9A 10mm
	Соединители		
XP1,XP2	5040500491 Molex	2	1.5mm 4-pin
XS1	UJ31–CH–3–MSMT–TR–67 CUI Devices	1	type C IP67
XS2	0541043531 Malex	1	35-pin 0.5mm
XS3	XF3M-0915-1B	1	9-pin 0.5mm
XW1	132371 Amphenol	1	SMA 500hm
	Резонаторы		
ZQ1	12.87181 Geyer Electronic America, Inc.	1	32.768kHz
ZQ2	LFXTAL069277REEL IQD Frequency Products	1	8MHz
ZQ3	STC22K33R48-32.000MT Suntsu Electronics, Inc.	1	32MHz 1ppm
ZQ4	SXT22418FB48–25.000MT Suntsu Electronics, Inc.	1	25MHz
		+	
\Box	РИСП. 7МО 7110	<u> </u>	<u> </u>

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