

















Comment	Description	Designator	Footprint 51022-0200	Quantity
	2 Pin	JTAG FPGA.		
	2*5 Pin	JTAG_STM32	IDC10	
O/NONE	RES_0806 By used crystal	R59, R60 R3	RES_0805 RES_0805	
1:1	Transformer	T6	TRANSF_ACORE	
1:1+1 1:4 ADT4-6T	Transformer Transformer	T3	TRANSF_ACORE2 TRANSF_ACORE2	
1k	RES 0805	R17, R18, R19, R25,	RES 0806	
1m	RES_0805	R26, R49, R50, R52 R29	RES 0806	
		C7, C11, C12, C13,		
1uF	CAP_0805	C14, C15, C35, C92,	CAP_0805	1
1uF	CAP_1206	C119, C121, C122 C102, C103	CAP_1206	
1uF 10V	CAPAE_4.3x4.3h5.4	C25, C26, C29	CAPAE_4.3x4.3h5.4	
1.5k 2SC5103TLP	RES_0805 Transistor BJT NPN	R16, R66	RES_0805 25C5103TLQ	
2.7n	CAP_0805	Q1 C37	CAP_0805	
3.3uH	IND_1812	L1	IND_1812	
4.7uF 16V 5.6	CAPAE_6.6x6.6h5.4 RES_1206	C1 R62, R63	CAPAE_6.6x6.6h5.4 RES_1206	
5.6k	RES_0805	R5, R6, R7, R9, R51	RES_0805	
6p 7.5k	CAP_0805 RES_0805	C38, C39 R1	CAP_0805 RES_0805	
7.5p	CAP_0805	C55	CAP_0805	
8mHz	ECS-200-20-1	Y2	ECS-200-20-1	
8.2n 10	CAP_0805 RES_0603	C136 R68, R69	CAP_0805 RES_0603	
10k	RES_0805	R10, R13, R24, R27, R28, R30, R31, R32, R33, R36, R37, R38, R39, R46, R47, R48,	RES_0806	,
10n	CAP_0805	R56, R57 C63, C137	CAP_0805	
10n 10p	CAP_0805 CAP_0805	C127	CAP_0805 CAP_0805	
10uF	CAP 0805	C40 C41 C50 C52	CAP 0805	
		C64, C66, C68 C8, C20, C22, C24,		
10uF 10V	CAPAE_4.3x4.3h5.4	C32, C54, C60, C75,	CAPAE_4.3x4.3h5.4	
		C77, C80, C85		
10uF 20V 10uH	CAPAE_4.3x4.3h5.4 Inductor	C101, C108 L37	CAPAE_4.3x4.3h5.4 IND_FERRITE_CORE	-
12.28mHz TCXO 3.3v	Crystal or Oscillator	XG2	581L200X2ITT	
TTL/CMOS				
22 22p	RES_0805 CAP_0805	R40, R53, R54, R58 C42, C43	RES_0805 CAP_0805	
	CAP_0805 CAPAE_4.3x4.3h5.4,			
22uF 10V	[NoValue], EEEFC_sizeB	C2, C125, C126	CAPAE_4.3x4.3h5.4	
22uH	IND_1206	L7	14-1210	
24	RES_0805	R41, R42, R43, R64,	RES_0805	
25P80	25P80	R65 U9	25P80	
30k	RES_0805	R8, R55	RES_0805	
39k 47k	RES_0805 RES_0805	R2 R12, R14, R15, R45	RES_0805 RES_0805	
47K 56	RES_0805	R44, R67	RES_0805	
82	RES_0805 RES_0806	R22, R23	RES_0806	
100	KES_0805	R34, R35 C3, C4, C5, C6, C9,	RES_0806	
100n	CAP_0805	C78, C79, C81, C82, C83, C84, C86, C87, C88, C89, C91, C93, C94, C95, C96, C97, C98, C99, C100, C107, C109, C110, C112, C113, C114, C115, C117, C118, C120, C123, C124, C134,	CAP_0805	4
122.88mHz	NV7050SA VG-4513CA- 122.8800M-GGCT3	C135 XG1	NV7050SA	
130 220p	RES_0805 CAP_0805	R20, R21 C27, C28, C30	RES_0805 CAP_0805	
220uF 10V	CAPAE_4.3x4.3h5.4	C33, C34 R61	EEEFC sizeC	
330 470p	RES_0805 CAP_0805	C10, C90, C104, C116	RES_0805 CAP_0805	
680	RES_0805	R11	RES_0805	
680p	CAP_1206	C105, C106	CAP_1206	
ABS25-32.768KHZ-6-T		Y1	ABS25	
ACP3225-501-2P-T ADC	Transformer SMA	T1 J10	TRANSF_ICORE 31-5431	
ADJ-5k	306J	R71	306J	
ADUM4160BRWZ	Integrated Circuit	L119	SOIC127P1032X265- 16N	
BAT54C	BAT54C	D2	BAT54C	
BLM21	BLM21 BR1632A/FA	L3, L8	CAP_0805 KLSS-CR1220-01	
DACS674IPHP		B1 UB	QFP50P900X900X100-	
	Integrated Circuit		49N	
DAC_OUT EP4CE22E22C8N	SMA EP4CE22E22C8N	J9 U10	31-5431 QFP144-20-2222A	
EAN	51022-0200	17	51022-0200	
FPC-45P-0.5mm JX2	Connector JX2	16 13.8V	FH12S45S05SH60 JX2	-
7812CD2T.TR	Integrated Circuit	U21	L7812CD2TTR	
LD1117-1.8 LD1117-3.3	LT1117CST-1.8 LT1117CST-3.3	U14 U13	LT1117CST-3.3 LT1117CST-3.3	
LD1117DT-1.2	LD1117DT-1.2 DPAK	U12	TO228P991X238-3N	
LD1117DT-2.5 LD1117DT-3.3	LD1117DT-2.5 DPAK LD1117DT33 DPAK	U11 U18	TO228P991X238-3N TO228P991X238-3N	
LD3985	LD3985	U2	LD3985	
LM1084IS-3.3 LTC2209CUP	LM1084IS-3.3 LTC2209CUP	U6 U16	LM1085-3.3 LTC2208CUP	
	Single Channel, Low Noise, Low Distortion Differential ADC Driver for 300 MHz IF,	U17	LT-UD-16_N	
LTC6400IUD-20#PBF	1800 MHz Typical GBW, 4500 V/us Typical SR, 2.85 to 3.5 V, 16-Pin QFN (UD- 16), Industrial, Pb-			
	GBW, 4500 V/us Typical SR, 2.85 to 3.5 V, 16-Pin QFN (UD- 16), Industrial, Pb- Free			
MIC_IN2	GBW, 4500 V/us Typical SR, 2.85 to 3.5 V, 16-Pin QFN (UD- 16), Industrial, Pb- Free 2-Pin	MIC_IN2	51022-0200 CAD 0905	
MIC_IN2 NONE	GBW, 4500 V/us Typical SR, 2.85 to 3.5 V, 16-Pin QFN (UD- 16), Industrial, Pb- Free 2-Pin CAP_0805	C36	CAP_0805 QFN65P400X400X100-	
MIC_IN2 NONE OPA2673IRGVT	GBW, 4500 V/us Typical SR, 2.85 to 3.5 V, 16-Pin OFN (UD- 16), Industrial, Pb- Free 2-Pin CAP_0805 Integrated Circuit	C36 U20	CAP_0805 OFN65P400X400X100- 17N-D	
MIC_IN2 NONE OPA2673IRGVT PAM8406 PTT IN	GBW, 4500 V/us Typical SR, 2.85 to 3.5 Typical SR, 2.8	C36 U20 U1 PTT_IN	CAP_0805 OFN65P400X400X100- 17N-D PAM8403 51022-0200	
MIC, IN2 NONE OPA2673IRGVT PAM8406 PTT_IN RF-UNIT	GBW, 4500 V/us Typical SR, 2.85 to 3.5 V, 16-Pin DFN (UD- 16), Industrial, Pb- Free 2-Pin CAP_0805 Integrated Circuit PAM8006 51022-0200 2*5 Pin	U20 U1 PTT_IN	CAP_0805 OFN65P400X400X100- 17N-D PAM8403 51022-0200 90131-0126	
MIC. IN2 NONE OPA2673IRSVT PAM8406 PIT. JIN RF-UNIT SJ1-3525NG	GBW, 4500 V/us Typical SR, 2.85 to 3.5 Typical SR, 2.8	C36 U20 U1 PTT_JN J4 J1, J2, J3, J5 D1, D3, D29, D30, D31	CAP_0805 OFN65P400X400X100- 17N-D PAM8403 51022-0200	
MIC, IN2 NONE OPA2673IRGVT PAM8406 PTT_IN RF-UNIT	GBW, 4500 V/us Typical SR, 2.85 to 3.5 V, 16-Pin DFN (UD- 16), Industrial, Pb- Free 2-Pin CAP_0805 Integrated Circuit PAM8006 51022-0200 2*5 Pin	C36 LI20 LI1 PIT_JN J4 J1, J2, J3, J5 D1, D3, D29, D30, D31 D34, D35, D36, D37,	CAP_0805 OFN65P400X400X100- 17N-D PAM8403 51022-0200 90131-0126	
MIC. IN2 NONE OPA2673IRSVT PAM8406 PIT. JIN RF-UNIT SJ1-3525NG	GBW, 4000 V/us Typical SR, 2.85 to 3.5 V. 1.6 Pin GPM (UD- 16), Industrial, Pb- Free 2-Pin CAP_0805 Integrated Circuit PAMS806 51022-0200 2°5 Pin S11-525NG Diode	C36 U20 U1 PTT_JN J4 J1, J2, J3, J5 D1, D3, D29, D30, D31	CAP_0805 OFN65P400X400X100- 17N-D PAM8403 51022-0200 90131-0126 SJ1-3525NG SMBJ36CATR	
MAIC, IN2 NONE OPA2673IRGVT PAMBGG PIT, IN RF-LINIT SI1-352SNG SMAJS, OA-TR SPEAKER STISTIO	GBW, 4500 V/us Typical SR, 2.85 to 3.5 Typical SR, 2.85 to 3.5 Typical SR, 2.85 to 3.5 Typical SR, 2.85 Typical Cap Cap Typical Cap Cap Typical Cap Cap Typical Ca	C36 U20 U1 PIT_IN I4 I1, 12, 13, 15 D1, D3, D29, D30, D31 D34, D35, D36, D37, D38, D39, D40	CAP_0805 OFN65P400X400X100- 17N-D PAM8403 \$1022-0200 90131-0126 \$J1-3525NG	
MAC. IN2 NONE OPA2673IRSVT PAMBRO6 PTT_IN SPE-UNIT SIT-352SNG SMAJS. OA-TR SPEAKER STISTIO	GBW, 4000 V/us Typical SR, 2, 28 fo 2, 5 V, 16 Pin QFN (UD- 10), Industrial, Pb- Free 2 Pin CAP 0805 Integrated Circuit PAM8806 51022 QBD 275 Pin S11-3525NG Diode 4 pins conn	C36 U20 U1 PTT_IN I4 J1, J2, J3, J5 D1, D3, D29, D30, D31 D34, D35, D36, D37, D38, D39, D40 U15	CAP_0805 OFN66P400X400X100- 17N-0 PAMB403 51022-0200 90131-0126 SJ1-3525NG SMBJ36CATR speaker conn	
MIC. IN2 NONE OPA26738SVT PAMBROG PTT_IN SF-LINI SF-LINI SF-SENG SMAUS OA-TR SPEAKER STISTO STIMMATHYASVITG- tev. V	GBW, 4500 V/us Typical SR, 2, 285 to 3,5 Y, 16-Pin CFN (UD-16), Industrial, Pe- Free CAP 0805 Integrated Circuit PAAMS406 FAAMS406 ST 1350 COO COO COO COO COO COO COO COO COO CO	C36 U20 U1 PTT_IN H 13, 12, 13, 15 D1, D3, D29, D30, D31 D34, D35, D36, D37, D38, D39, D40 U15 U3 U5 R70	CAP_0805 OFNOSPHOXX400X100- 17N-D OFNOSPHOXX400X100- 17N-D PAMBA03 S1002-0200 90131-0126 S11-3529NG SMB136CATR Speaker conn STITS10 STMS2H743WIT6 MF52A103F3950A1	,
MAIC, IN2 NONE OPA2673IRGVT PAMRIGO PTT, IN BF-LINIT SL1:352SNG SMAUS, OA-TR STEAST STISSO STM2671743VT6- rev, V	GBW, 4000 V/us Typical SR, 2, 285 to 3, 5 V, 1.6 Pin CFM (UD-16), industrial, Pb-free 2Pin CFM (UD-16), industrial, Pb-free 2Pin CFM (UD-16), industrial, Pb-free 3000 Sintegrated Circuit PAAR800 Si022-0000 2:5 Pin Si11,552SNG Diode 4 pins conn ST1510 STMC3H743VIT6	C36 U20 U1 PTT_IN H H, 12, 13, 15 D1, D3, D29, D30, D31 D34, D35, D36, D37, D38, D39, D40 U15 U3	CAP_0805 OFN65P400X400X100- 17N-D 17N-D PAM9803 S1002-000 90131-0126 S11-3529NG SMBJ36CATR speaker conn ST1S10 STMS2H743W1T6	