

[Infinitas] Core rev 1.0.0 BOM

Reference	Qty	Value1	Value2	Footprint	Order No. digikey
B101 B102 B103 B104 B105 B106	6	-	-	MountingHole_3.2mm_M3_DIN965_Pad	-
C102 C122 C125 C127 C128 C130 C131 C133 C205 C206	10	10u0	20% 25V X5R	C0805-X7R	490-10748-1-ND
C101 C103 C104 C105 C106 C107 C108 C109 C110 C111 C112 C113 C114 C115 C116 C117 C118 C119 C120 C121 C124 C126 C129 C132 C202 C203 C204 C207	28	100n	5% 50V X7R	C0805-X7R	399-1170-1-ND
C123	1	22u0	20% 10V X5R	C0805-X7R	490-10511-1-ND
C201	1	10n0	10% 50V X7R	C0805-X7R	311-1136-1-ND
C208	1	1n00	10% 50V X7R	C0805-X7R	399-1147-1-ND
C209 C210 C211 C212 C213 C214 C215 C216 C217 C218 C219 C220 C221 C222 C223 C224 C225 C226 C227 C228 C229 C230 C231 C232 C233	25	100n	10% 10V X7R	C_0402	490-6321-1-ND
D201	1	MBR120VLSFT	Schottky 20V 1 A	SOD123	MBR120VLSFT3GOSCT-ND
IC101	1	CS2100CP	Fractional-N Clock Multiplier	MSOP-10_3x3mm_Pitch0.5mm	598-1750-ND
IC102 IC103	2	PCA9545APW	I2C Switch 4ch	TSSOP-20_4.4x6.5mm_Pitch0.65mm	568-1865-1-ND
IC104	1	LCMXO2-1200HC-6TG144C	FPGA	TQFP-144_20x20mm_Pitch0.5mm	220-2040-ND
IC105	1	TLV62565	1.5A	SOT-23-5	296-43657-1-ND
IC106	1	ADM811TARTZ	Spannungsmonitor	SOT-143	ADM811TARTZ-REELCT-ND
IC107	1	LM1117MP-5.0	LDO	SOT223	LM1117MP-5.0/NOBCT-ND
IC108 IC109	2	NCP1117LPST33	LDO	SOT223	NCP1117LPST33T3GOSCT-ND
IC201	1	XE216-512-TQ128	xCore	TQFP-128_14x14mm_Pitch0.4mm_EP_Handsoldering	880-1096-ND
IC202	1	NCP4681DSQ25T1G	2,5V 150mA	SC-70-5	NCP4681DSQ25T1GOSCT-ND
IC203	1	IS25LP080D	8Mb	SOIC8_3.9x4.9mm_Pitch1.27mm	706-1580-ND
IC204	1	NC7WZ07	Noninverting Buffer	SC-70-6	NC7WZ07P6XCT-ND
L101	1	2u20	30% 4.5A 26 mOhm	MCSDRH73B	811-1157-1-ND
OSC101	1	24M576	-	ASFL1	300-8253-1-ND
OSC201	1	24M0	-	ASFL1	300-8252-1-ND
R101 R201 R213 R214	4	10K0	1% 0.125W Thick	C0805-RES	311-10.0KCRCT-ND
R118	1	4K70	1% 0.125W Thick	C0805-RES	311-4.70KCRCT-ND
R102 R103 R104 R105 R112 R113 R114 R115 R124 R125 R126 R127 R134 R135 R136 R137 R211 R212	18	2K00	1% 0.125W Thick	C0805-RES	311-2.00KCRCT-ND
R106 R107 R108 R109 R110 R111 R128 R129 R130 R131 R132 R133	12	47K0	1% 0.125W Thick	C0805-RES	311-47.0KCRCT-ND

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R119 R120 R121 R123 R138 R139 R140 R141 R143 R145 R147 R148 R150 R151 R152 R204	16	51R0	5% 62,5mW	R_Array_Convex_4x0603	TC164J-51CT-ND
R116 R117 R122 R142 R144 R146 R149 R202 R205 R206 R209 R210	12	51R0	1% 0.125W Thick	C0805-RES	311-51.0CRCT-ND
R153 R207	2	1K00	1% 0.125W Thick	C0805-RES	311-1.00KCRCT-ND
R154	1	80K6	1% 0.125W Thick	C0805-RES	311-80.6KCRCT-ND
R155 R215	2	100K	1% 0.125W Thick	C0805-RES	311-100KCRCT-ND
R156	1	120K	1% 0.125W Thick	C0805-RES	311-120KCRCT-ND
R203	1	4R70	1% 0.125W Thick	C0805-RES	311-4.70CRCT-ND
R208	1	43R2	1% 0.125W Thick	C0805-RES	P43.2CCT-ND
X101	1	HDR-02x04	-	HDR_02x04	952-3276-ND
X102 X103	2	IDC64	-	IDC64	ED10532-ND
X104	1	MicroMatch-10	-	MM-10G	A110869-ND
X105	1	MicroFit3 02x02	-	Microfit3_43045-0428	WM10670-ND
X201	1	HDR-02x10	-	HDR_02x10	S2011EC-10-ND
X202	1	USB_B	horizontal	USB_B	ED2983-ND
X203	1	HDR-01x04	-	HDR_01x04	732-5317-ND
freeDSP Option					
C301 C304 C308 C313	4	10u0	20% 25V X5R	C0805-X7R	490-10748-1-ND
C302 C305 C307 C309 C310 C311 C312 C314 C315 C316 C317	11	100n	5% 50V X7R	C0805-X7R	399-1170-1-ND
C303	1	5n60	10% 50V X7R	C0805-X7R	311-1134-1-ND
C306	1	150p	5% 50V C0G	C0805-X7R	399-1125-1-ND
FER301 FER302	2	600R	@100MHz 600mA	C0805-RES	490-1040-1-ND
IC301	1	ADAU1452	-	QFP72_10x10_EP_Handsoldering	ADAU1452WBCPZ-ND
IC302	1	25AA1024	1Mbit	SOIJ-8_5.3x5.3mm_Pitch1.27mm	25AA1024T-I/SMCT-ND
JP301	1	Jumper	-	HDR_01x02	732-5315-ND
Q301	1	STD2805	PNP 60V 5A 150MHz 15W	TO-252-2Lead	497-7465-1-ND
R308 R313 R314	3	10K0	1% 0.125W Thick	C0805-RES	311-10.0KCRCT-ND
R302 R303 R304 R305 R306	5	51R0	1% 0.125W Thick	C0805-RES	311-51.0CRCT-ND
R301	1	1K00	1% 0.125W Thick	C0805-RES	311-1.00KCRCT-ND
R307	1	4K32	1% 0.125W Thick	C0805-RES	311-4.32KCRCT-ND
R309 R310 R315 R316	4	DNP	-	C0805-RES	-
R311 R312 R317 R318	4	0R00	1% 0.125W Thick	C0805-RES	311-0.0ARCT-ND
X301	1	HDR-02x05	-	HDR_02x05	952-2117-ND