

[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 C301 C304 C308 C313	14	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 C302 C305 C307 C309 C310 C311 C312 C314 C315 C316 C317	39	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
C303	1	5n60	10% 50V X7R	C0805-X7R	311-1134-1-ND
C306	1	150p	5% 50V C0G	C0805-X7R	399-1125-1-ND
D201	1	MBR120VLSFT	Schottky 20V 1 A	SOD123	MBR120VLSFT3GOSCT-ND
FER301 FER302	2	600R	@100MHz 600mA	C0805-RES	490-1040-1-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
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
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
Q301	1	STD2805	PNP 60V 5A 150MHz 15W	TO-252-2Lead	497-7465-1-ND
R101 R201 R213 R214 R308 R313 R314	7	10K0	1% 0.125W Thick	C0805-RES	311-10.0KCRCT-ND
R118	1	4K70	1% 0.125W Thick	C0805-RES	311-4.70KCRCT-ND

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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
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 R302 R303 R304 R305 R306	17	51R0	1% 0.125W Thick	C0805-RES	311-51.0CRCT-ND
R153 R207 R301	3	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
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
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
X301	1	HDR-02x05	-	HDR_02x05	952-2117-ND