

[Infinitas] Core rev 1.0.0 BOM

Reference	Qty	Value1	Value2	Footprint	Order No. digikey	MFR	Replaceable
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	GRM21BR61E106MA73L	potentially replaceable
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 C123	28	100n	5% 50V X7R	C0805-X7R	399-1170-1-ND	C0805C104K5RAC7800	potentially replaceable
C201	1	22u0	20% 10V X5R	C0805-X7R	490-10511-1-ND	GRM21BR61A226ME51L	potentially replaceable
C208	1	10n0	10% 50V X7R	C0805-X7R	311-1136-1-ND	CC0805KRX7R9BB103	potentially replaceable
C208	1	1n00	10% 50V X7R	C0805-X7R	399-1147-1-ND	C0805C102K5RAC7800	potentially replaceable
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	GRM155R71A104KA01D	potentially replaceable
D201	1	MBR120VLSFT	Schottky 20V 1 A	SOD123	MBR120VLSFT3GOSCT-ND	MBR120VLSFT3G	potentially replaceable
IC101	1	CS2100CP	Fractional-N Clock	MSOP-10_3x3mm Pitch0.5mm	598-1750-ND	CS2100CP-CZZ	not potentially replaceable
IC102 IC103	2	PCA9545APW	I2C Switch 4ch	TSSOP-20_4.4x6.5mm Pitch0.65mm	568-1865-1-ND	PCA9545APW,118	not potentially replaceable
IC104	1	LCMX02-1200HC-6TG144C	FPGA	TQFP-144_20x20mm Pitch0.5mm	220-2040-ND	LCMX02-1200HC-6TG144C	not potentially replaceable
IC105	1	TLV62565	1.5A	SOT-23-5	296-43657-1-ND	TLV62565DBVR	not potentially replaceable
IC106	1	ADM811TARTZ	Spannungsmonitor	SOT-143	ADM811TARTZ-REELCT-ND	ADM811TARTZ-REEL	not potentially replaceable
IC107	1	LM1117MP-5.0	LDO	SOT223	LM1117MP-5.0/NOBCT-ND	LM1117MP-5.0/NOPB	not potentially replaceable
IC108 IC109	2	NCP1117LPST33	LDO	SOT223	NCP1117LPST33T3GOSCT-ND	NCP1117LPST33T3G	not potentially replaceable
IC201	1	XE216-512-TQ128	xCore	128-14x14mm Pitch0.4mm EP Hand soldering	880-1096-ND	XE216-512-TQ128-C20	not potentially replaceable
IC202	1	NCP4681DSQ25T1G	2,5V 150mA	SC-70-5	NCP4681DSQ25T1GOSCT-ND	NCP4681DSQ25T1G	not potentially replaceable
IC203	1	IS25LP080D	8Mb	SOIC8_3.9x4.9mm Pitch1.27mm	706-1580-ND	IS25LP080D-JNLE	not potentially replaceable
IC204	1	NC7WZ07	Noninverting Buffer	SC-70-6	NC7WZ07P6XCT-ND	NC7WZ07P6X	not potentially replaceable
L101	1	2u20	30% 4.5A 26 mOhm	MCSDRH73B	811-1157-1-ND	45222C	not potentially replaceable
OSC101	1	24M576	-	ASFL1	300-8253-1-ND	ASFL1-24.576MHZ-EC-T	potentially replaceable
OSC201	1	24M0	-	ASFL1	300-8252-1-ND	ASFL1-24.000MHZ-EC-T	potentially replaceable
R101 R201 R213 R214	4	10K0	1% 0.125W Thick	C0805-RES	311-10.0KCRCT-ND	RC0805FR-0710KL	potentially replaceable
R118	1	4K70	1% 0.125W Thick	C0805-RES	311-4.70KCRCT-ND	RC0805FR-074K7L	potentially replaceable
R102 R103 R104 R105 R112 R113 R114 R115 R124 R125 R126 R127 R134 R135 R136 R137 R211 R212 R106 R107 R108	18	2K00	1% 0.125W Thick	C0805-RES	311-2.00KCRCT-ND	RC0805FR-072KL	potentially replaceable
R109 R110 R111 R128 R129 R130 R131 R132 R133 R119 R120 R121 R123 R138 R139 R140 R141 R143 R145 R147 R148 R150 R151 R152 R204	12	47K0	1% 0.125W Thick	C0805-RES	311-47.0KCRCT-ND	RC0805FR-0747KL	potentially replaceable
R116 R117 R122 R142 R144 R146 R149 R202 R205 R206 R209 R210	16	51R0	5% 62,5mW	R_Array_Convex_4x0603	TC164J-51CT-ND	TC164-JR-0751RL	potentially replaceable
	12	51R0	1% 0.125W Thick	C0805-RES	311-51.0CRCT-ND	RC0805FR-0751RL	potentially replaceable

R153 R207	2	1K00	1% 0.125W Thick	C0805-RES	311-1.00KCRCT-ND	RC0805FR-071KL	potentially replaceable
R154	1	80K6	1% 0.125W Thick	C0805-RES	311-80.6KCRCT-ND	RC0805FR-0780K6L	potentially replaceable
R155 R215	2	100K	1% 0.125W Thick	C0805-RES	311-100KCRCT-ND	RC0805FR-07100KL	potentially replaceable
R156	1	120K	1% 0.125W Thick	C0805-RES	311-120KCRCT-ND	RC0805FR-07120KL	potentially replaceable
R203	1	4R70	1% 0.125W Thick	C0805-RES	311-4.70CRCT-ND	RC0805FR-074R7L	potentially replaceable
R208	1	43R2	1% 0.125W Thick	C0805-RES	P43.2CCT-ND	ERJ-6ENF43R2V	potentially replaceable
X101	1	HDR-02x04	-	HDR_02x04	952-3276-ND	M20-9760442	potentially replaceable
X102 X103	2	IDC64	-	IDC64	ED10532-ND	302-S641	potentially replaceable
X104	1	MicroMatch-10	-	MM-10G	A110869-ND	1-215079-0	potentially replaceable
X105	1	MicroFit3 02x02	-	Microfit3 43045-0428	WM10670-ND	0430450428	potentially replaceable
X201	1	HDR-02x10	-	HDR_02x10	S2011EC-10-ND	PRPC010DAAN-RC	potentially replaceable
X202	1	USB_B	horizontal	USB_B	ED2983-ND	USB-B1HSB6	potentially replaceable
X203	1	HDR-01x04	-	HDR_01x04	732-5317-ND	61300411121	potentially replaceable
freeDSP Option							
C301 C304 C308 C313	4	10u0	20% 25V X5R	C0805-X7R	490-10748-1-ND	GRM21BR61E106MA73L	potentially replaceable
C302 C305 C307 C309 C310 C311 C312 C314 C315 C316 C317	11	100n	5% 50V X7R	C0805-X7R	399-1170-1-ND	C0805C104K5RAC7800	potentially replaceable
C303	1	5n60	10% 50V X7R	C0805-X7R	311-1134-1-ND	CC0805KRX7R9BB562	potentially replaceable
C306	1	150p	5% 50V C0G	C0805-X7R	399-1125-1-ND	C0805C151J5GAC7800	potentially replaceable
FER301 FER302	2	600R	@100MHz 600mA	C0805-RES	490-1040-1-ND	BLM21AG601SN1D	potentially replaceable
IC301	1	ADAU1452	-	QFP72_10x10_EP_Handsoldering	ADAU1452WBCPZ-ND	ADAU1452WBCPZ	not potentially replaceable
IC302	1	25AA1024	1Mbit	SOIJ-8 5.3x5.3mm Pitch1.27mm	25AA1024T-I/SMCT-ND	25AA1024T-I/SM	not potentially replaceable
JP301	1	Jumper	-	HDR_01x02	732-5315-ND	61300211121	potentially replaceable
Q301	1	STD2805	PNP 60V 5A 150MHz 15W	TO-252-2Lead	497-7465-1-ND	STD2805T4	not potentially replaceable
R308 R313 R314	3	10K0	1% 0.125W Thick	C0805-RES	311-10.0KCRCT-ND	RC0805FR-0710KL	potentially replaceable
R302 R303 R304 R305 R306	5	51R0	1% 0.125W Thick	C0805-RES	311-51.0CRCT-ND	RC0805FR-0751RL	potentially replaceable
R301	1	1K00	1% 0.125W Thick	C0805-RES	311-1.00KCRCT-ND	RC0805FR-071KL	potentially replaceable
R307	1	4K32	1% 0.125W Thick	C0805-RES	311-4.32KCRCT-ND	RC0805FR-074K32L	potentially replaceable
R309 R310 R315 R316	4	DNP	-	C0805-RES	-		
R311 R312 R317 R318	4	0R00	1% 0.125W Thick	C0805-RES	311-0.0ARCT-ND	RC0805JR-070RL	potentially replaceable
X301	1	HDR-02x05	-	HDR_02x05	952-2117-ND	M20-9760542	potentially replaceable