

[Infinitas] Core rev 1.0.0 BOM

Reference	Qty	Value1	Value2	Footprint	Order No. digikey	MFR
B101 B102 B103 B104 C105 C106 C102 C122 C125 C127 C128 C130 C131 C133 C101 C103 C104 C105 C106 C107 C108 C109 C110 C111 C112 C113 C114 C115 C116 C117 C118 C119 C120 C121 C123	6	-	-	MountingHole_3.2mm_M3_DIN965_Pad	-	
C125 C127 C128 C130 C131 C133 C101 C103 C104 C105 C106 C107 C108 C109 C110 C111 C112 C113 C114 C115 C116 C117 C118 C119 C120 C121 C123	10	10u0	20% 25V X5R	C0805-X7R	490-10748-1-ND	GRM21BR61E106MA73L
C101 C103 C104 C105 C106 C107 C108 C109 C110 C111 C112 C113 C114 C115 C116 C117 C118 C119 C120 C121 C123	28	100n	5% 50V X7R	C0805-X7R	399-1170-1-ND	C0805C104K5RAC7800
C123	1	22u0	20% 10V X5R	C0805-X7R	490-10511-1-ND	GRM21BR61A226ME51L
C201	1	10n0	10% 50V X7R	C0805-X7R	311-1136-1-ND	CC0805KRX7R9BB103
C208	1	1n00	10% 50V X7R	C0805-X7R	399-1147-1-ND	C0805C102K5RAC7800
C209 C210 C211 C212 C213 C214 C215 C216 C217 C218 C219 C220 C221 C222 C223 C224 C225 C226	25	100n	10% 10V X7R	C_0402	490-6321-1-ND	GRM155R71A104KA01D
D201	1	MBR120VLSFT	Schottky 20V 1 A	SOD123	MBR120VLSFT3GOSCT-ND	MBR120VLSFT3G
IC101	1	CS2100CP	fractional N clock divider	MSOP-10 3x3mm Pitch0.5mm	598-1750-ND	CS2100CP-CZZ
IC102 IC103	2	PCA9545APW	I2C Switch 4ch	TSSOP-20 4.4x6.5mm Pitch0.65mm	568-1865-1-ND	PCA9545APW,118
IC104	1	LCMXO2-1200HC-6TG144C	FPGA	TQFP-144 20x20mm Pitch0.5mm	220-2040-ND	LCMXO2-1200HC-6TG144C
IC105	1	TLV62565	1.5A	SOT-23-5	296-43657-1-ND	TLV62565DBVR
IC106	1	ADM811TARTZ	Spannungsmonitor	SOT-143	ADM811TARTZ-REELCT-ND	ADM811TARTZ-REEL
IC107	1	LM1117MP-5.0	LDO	SOT223	LM1117MP-5.0/NOPBCT-ND	LM1117MP-5.0/NOPB
IC108 IC109	2	NCP1117LPST33	LDO	SOT223	NCP1117LPST33T3GOSCT-ND	NCP1117LPST33T3G
IC201	1	XE216-512-TQ128	xCore	128 14x14mm Pitch0.4mm EP Hand soldering	880-1096-ND	XE216-512-TQ128-C20
IC202	1	NCP4681DSQ25T1G	2,5V 150mA	SC-70-5	NCP4681DSQ25T1GOSCT-ND	NCP4681DSQ25T1G
IC203	1	IS25LP080D	8Mb	SOIC8 3.9x4.9mm Pitch1.27mm	706-1580-ND	IS25LP080D-JNLE
IC204	1	NC7WZ07	Noninverting Buffer	SC-70-6	NC7WZ07P6XCT-ND	NC7WZ07P6X
L101	1	2u20	30% 4.5A 26 mOhm	MCSDRH73B	811-1157-1-ND	45222C
OSC101	1	24M576	-	ASFL1	300-8253-1-ND	ASFL1-24.576MHZ-EC-T
OSC201	1	24M0	-	ASFL1	300-8252-1-ND	ASFL1-24.000MHZ-EC-T
R101 R201 R213 R214	4	10K0	1% 0.125W Thick	C0805-RES	311-10.0KCRCT-ND	RC0805FR-0710KL
R118	1	4K70	1% 0.125W Thick	C0805-RES	311-4.70KCRCT-ND	RC0805FR-074K7L
R102 R103 R104 R105 R112 R113 R114 R115 R124 R125 R126 R127 R106 R107	18	2K00	1% 0.125W Thick	C0805-RES	311-2.00KCRCT-ND	RC0805FR-072KL
R108 R109 R110 R111 R128 R129 R119 R120 R121 R123 R138 R139 R140 R141 R143 R145 R147 R148	12	47K0	1% 0.125W Thick	C0805-RES	311-47.0KCRCT-ND	RC0805FR-0747KL
	16	51R0	5% 62,5mW	R_Array_Convex_4x0603	TC164J-51CT-ND	TC164-JR-0751RL

R116 R117 R122 R142 R144 R146 R149 R202	12	51R0	1% 0.125W Thick	C0805-RES	311-51.0CRCT-ND	RC0805FR-0751RL
R153 R207	2	1K00	1% 0.125W Thick	C0805-RES	311-1.00KCRCT-ND	RC0805FR-071KL
R154	1	80K6	1% 0.125W Thick	C0805-RES	311-80.6KCRCT-ND	RC0805FR-0780K6L
R155 R215	2	100K	1% 0.125W Thick	C0805-RES	311-100KCRCT-ND	RC0805FR-07100KL
R156	1	120K	1% 0.125W Thick	C0805-RES	311-120KCRCT-ND	RC0805FR-07120KL
R203	1	4R70	1% 0.125W Thick	C0805-RES	311-4.70CRCT-ND	RC0805FR-074R7L
R208	1	43R2	1% 0.125W Thick	C0805-RES	P43.2CCT-ND	ERJ-6ENF43R2V
X101	1	HDR-02x04	-	HDR 02x04	952-3276-ND	M20-9760442
X102 X103	2	IDC64	-	IDC64	ED10532-ND	302-S641
X104	1	MicroMatch-10	-	MM-10G	A110869-ND	1-215079-0
X105	1	MicroFit3 02x02	-	Microfit3_43045-0428	WM10670-ND	0430450428
X201	1	HDR-02x10	-	HDR 02x10	S2011EC-10-ND	PRPC010DAAN-RC
X202	1	USB_B	horizontal	USB_B	ED2983-ND	USB-B1HSB6
X203	1	HDR-01x04	-	HDR_01x04	732-5317-ND	61300411121
freeDSP Option						
C301 C304 C308 C313	4	10u0	20% 25V X5R	C0805-X7R	490-10748-1-ND	GRM21BR61E106MA73L
C302 C305 C307 C309 C310 C311 C312 C314	11	100n	5% 50V X7R	C0805-X7R	399-1170-1-ND	C0805C104K5RAC7800
C303	1	5n60	10% 50V X7R	C0805-X7R	311-1134-1-ND	CC0805KRX7R9BB562
C306	1	150p	5% 50V C0G	C0805-X7R	399-1125-1-ND	C0805C151J5GAC7800
FER301 FER302	2	600R	@100MHz 600mA	C0805-RES	490-1040-1-ND	BLM21AG601SN1D
IC301	1	ADAU1452	-	QFP72 10x10 EP Handsoldering	ADAU1452WBCPZ-ND	ADAU1452WBCPZ
IC302	1	25AA1024	1Mbit	SOIJ-8 5.3x5.3mm Pitch1.27mm	25AA1024T-I/SMCT-ND	25AA1024T-I/SM
JP301	1	Jumper	-	HDR 01x02	732-5315-ND	61300211121
Q301	1	STD2805	PNP 60V 5A 150MHz 15W	TO-252-2Lead	497-7465-1-ND	STD2805T4
R308 R313 R314	3	10K0	1% 0.125W Thick	C0805-RES	311-10.0KCRCT-ND	RC0805FR-0710KL
R302 R303 R304 R305 R306	5	51R0	1% 0.125W Thick	C0805-RES	311-51.0CRCT-ND	RC0805FR-0751RL
R301	1	1K00	1% 0.125W Thick	C0805-RES	311-1.00KCRCT-ND	RC0805FR-071KL
R307	1	4K32	1% 0.125W Thick	C0805-RES	311-4.32KCRCT-ND	RC0805FR-074K32L
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
X301	1	HDR-02x05	-	HDR_02x05	952-2117-ND	M20-9760542