

# Component list

## AVR32LA32 Curiosity Nano

PCBA Number: 02-01431

PCBA Revision: 4

Variant: Default Assembly



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Fitted	Designator	Quantity	Value	Manufacturer 1	Manufacturer Part Number 1	Description_
Fitted	C100, C101, C201, C202, C207, C208	6	0.1uF	KEMET	C0402C104K4RAC7867	CAP CER 0.1uF 16V 10% X7R SMD 0402
Fitted	C103, C200, C203, C204	4	2.2uF	Murata	GRM155R61A225KE95D	CAP CER 2.2uF 10V 10% X5R SMD 0402
Fitted	C104	1	12pF	Yageo	CC0402FRNPO9BN120	CAP CER 12pF 50V 1% NP0 SMD 0402
Fitted	C105	1	22pF	Murata	GRM1555C1H220JA01D	CAP CER 22pF 50V 5% NP0 SMD 0402
Fitted	C205	1	4.7uF	Kemet	C0603C475K8PA7867	CAP CER 4.7uF 10V 10% X5R SMD 0603
Fitted	C209	1	1uF	Kemet	C0402C105K9PACTU	CAP CER 1uF 6.3V 10% X5R SMD 0402
Fitted	D100	1	Yellow LED	Rohm Semiconductor	SML-D12Y1WT86	LED YELLOW DIFFUSED 1608 SMD
Fitted	D200	1	LED SINGLE SML-P12MTT86R YELLOW-GREEN	Rohm Semiconductor	SML-P12MTT86R	DIO LED YELLOW-GREEN 2.2V 20mA 25mcd Clear SMD 0402
Fitted	J203	1	USB2.0 Type-C FEMALE	KLS Electronic	L-KLS1-5409-R	CON USB2.0 Type-C Female SMD R/A
Fitted	LABEL1	1	PCBA LABEL 18X6mm	ACT Logimark AS	505462	LABEL PCBA 18x6mm Datamatrix Assy# / Rev / Serial / Date
Fitted	Q200	1	DMN65D8LFB-7B	Diodes Incorporated	DMN65D8LFB-7	TRANS FET N-CH DMN65D8LFB-7B 260mA 60V 430mW X1_DFN1006-3
Fitted	Q201	1	CSD25501F3	Texas Instruments	CSD25501F3	TRANS FET P-CH CSD25501F3 -20V -3.6A 0.076R LGA
Fitted	R100, R108, R109, R209, R212, R215, R218	7	1k	Panasonic	ERJ-2RKF1001X	RES TKF 1k 1% 1/10W SMD 0402
Fitted	R101	1	10k	TE Connectivity	CRG0402F10K	RES TKF 10k 1% 1/16W SMD 0402
Fitted	R103, R104, R105, R106, R107	5	270R	KOA Speer	RK73H1ETTP2700F	RES TKF 270R 1% 1/10W SMD 0402
Fitted	R110	1	390K	Yageo	RC0402FR-07390KL	RES TKF 390k 1% 1/16W SMD 0402
Fitted	R200, R201, R202, R203, R204, R205, R207, R210, R213, R214	10	47k	Yageo	RC0402FR-0747KL	RES TKF 47k 1% 1/16W SMD 0402
Fitted	R206	1	27k	Yageo	RC0402FR-0727KL	RES TKF 27k 1% 1/16W SMD 0402
Fitted	R208	1	33k	Yageo	AC0402FR-0733KL	RES TKF 33k 1% 1/16W SMD 0402
Fitted	R211	1	330R	Panasonic Electronic Components	ERJ-2RKF3300X	RES TKF 330R 1% 1/10W SMD 0402 AEC-Q200
Fitted	R216, R217	2	5.1k	Panasonic	ERJ-2RKF5101X	RES TKF 5.1k 1% 1/10W SMD 0402
Fitted	SW100	1	TACT SPST	KLS Electronic	L-KLS7-TS0304A-2-300-T	SWITCH TACT SPST 12V 50mA L-KLS7-TS0304A-2-300-T SMD
Fitted	Test1	1				TEST, AVR32LA32 Curiosity Nano
Fitted	Test2	1	Debugger Firmw are			FW, CNANO-DEBUGGER
Fitted	U100	1	AVR32LA32	Microchip Technology	AVR32LA32-IPT	MCHP MCU 8-BIT 20MHz 32KB 2KB AVR32LA32-IPT TQFP-32
Fitted	U200	1	MIC5353YMT-TR	Microchip Technology	MIC5353YMT-TR	MCHP ANALOG LDO ADJ 500mA MIC5353YMT-TR MLF-6
Fitted	U201	1	TPS22963CYZPR	Texas Instruments	TPS22963CYZPR	IC SWITCH TPS22963CYZPR LOAD SWITCH 6-DSBGA
Fitted	U202	1	MIC2009YML	Microchip Technology	MIC2009YML-TR	MCHP ANALOG POWER SWITCH 5.5V 2A MIC2009YML-TR MLF-6
Fitted	U203	1	MIC5528 3V3	Microchip Technology	MIC5528-3.3YMT-TR	MCHP ANALOG LDO 3.3V MIC5528-3.3YMT-TR 6-TDFN
Fitted	U204, U205, U207, U208, U209	5	74LVC1T45GS,132	Nexperia USA Inc.	74LVC1T45GS,132	IC VOLTAGE TRANSLATOR BI-DIR 1 CIRCUIT 1 74LVC1T45GS,132 6-XSON , SOT1202
Fitted	U206	1	ATSAMD21E18	Microchip Technology	ATSAMD21E18A-MUT	MCHP MCU 32-BIT 48MHz 256Kb 32Kb ATSAMD21E18A-MUT QFN-32
Fitted	Y100	1	32.768kHz	Microchip Technology	VMK3-9005-32K7680000	MCHP CRYSTAL 32.768kHz 12.5pF VMK3-9005-32K7680000 SMD L3.2W1.5H0.9
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Approved	Notes