

Component list

PIC32CM6408PL10048 Curiosity Nano

PCBA Number: 02-01489
PCBA Revision: 2
Variant: Default Assembly



Print Date: 29.10.2025 14:08:42

Fitted	Designator	Quantity	Value	Manufacturer 1	Manufacturer Part Number 1	Description_
Fitted	C100, C101, C102, C201, C202, C207, C208	7	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, C105	2	18pF	Murata	GCM1555C1H180JA16D	CAP CER 18pF 50V 5% C0G SMD 0402
Fitted	C205	1	4.7uF	KEMET	C0603C475K8PAC7867	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	LABEL.1	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, R101, R102, R200, R201, R202, R203, R204, R205, R207, R210, R213, R214	13	47k	Yageo	RC0402FR-0747KL	RES TKF 47k 1% 1/16W SMD 0402
Fitted	R103, R104, R105, R106, R107, R108, R109, R112, R209, R212, R215, R218	12	1k	Panasonic	ERJ-2RKF1001X	RES TKF 1k 1% 1/10W SMD 0402
Fitted	R110, R111	2	0R	Vishay	CRCW04020000Z0EDHP	RES TKF 0R 1/5W SMD 0402 AEC-Q200
Fitted	R113	1	10k	TE Connectivity	CRG0402F10K	RES TKF 10k 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, PIC32CM6408PL10048-CNANO
Fitted	Test2	1	Debugger Firmware			FW, CNANO-DEBUGGER
Fitted	U100	1	PIC32CM6408PL10048	Microchip Technology	PIC32CM6408PL10048T-I/6MX	MCHP MCU 32-BIT 24MHz 64KB 8KB PIC32CM6408PL10048-I/6MX VQFN-48
Fitted	U200	1	MIC5353YMT-TR	Microchip Technology	MIC5353YMT-TR	MCHP ANALOG LDO ADJ 500mA MIC5353YMT-TR MLF-6
Fitted	U201	1	MIC94163YCS	Microchip Technology	MIC94163YCS-TR	IC LOAD SWITCH HI SIDE 3A 6WL CSP
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	74LVC1T45FW4-7	Diodes Incorporated	74LVC1T45FW4-7	IC VOLTAGE TRANSLATOR BI-DIR 1 CIRCUIT 74LVC1T45FW4-7 X2-DFN1010-6
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
Not Fitted	J112	0	HDR-2.54 Male 1x2	WCON	1125-1102S0S113CR01	CON HDR-2.54 MALE 1x2 GOLD FLASH/TIN 6.50MH TH-PIP VERT
		69				

Approved	Notes