

Component list

PIC32CM Px DIP-28 Curiosity Nano

PCBA Number:

02-01596

PCBA Revision:

2

Variant:

Default Assembly



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Fitted	Designator	Quantity	Value	Manufacturer 1	Manufacturer Part Number 1	Description_
Fitted	C102, C104, C105, C201, C202, C207, C208	7	0.1uF	KEMET	C0402C104K4RAC7867	CAP CER 0.1uF 16V 10% X7R SMD 0402
Fitted	C103, C209	2	1uF	KEMET	C0402C105K9PACTU	CAP CER 1uF 6.3V 10% X5R SMD 0402
Fitted	C106, C200, C203, C204	4	2.2uF	Murata	GRM155R61A225KE95D	CAP CER 2.2uF 10V 10% X5R SMD 0402
Fitted	C205	1	4.7uF	KEMET	C0603C475K8PAC7867	CAP CER 4.7uF 10V 10% X5R SMD 0603
Fitted	D100	1	Yellow LED	Rohm Semiconductor	SML-D12Y1WT86	LED YELLOW DIFFUSED 1608 SMD
Fitted	D200	1	LED SINGLE SML-P12MTT86R YELLOW-GREEN	ROHM	SML-P12MTT86R	DIO LED YELLOW-GREEN 2.2V 20mA 25mcd Clear SMD 0402
Fitted	J103, J114	2	HDR-2.54 Male 1x3	WCON	1125-1103S0S116CR01	CON HDR-2.54 MALE 1x3 GOLD FLASH/TIN 6.10MH TH-PIP VERT
Fitted	J111	1	7110-30128SS0074T1	WCON	7110-30128SS0074T1	SOCKET IC PUSH DIP 28 TH
Fitted	J126	1	HDR-2.54 Male 1x2	WCON	1125-1102S0S116CR01	CON HDR-2.54 MALE 1x2 GOLD FLASH/TIN 6.10MH TH-PIP VERT
Fitted	J203	1	USB2.0 Type-C FEMALE	KLS Electronic	L-KLS1-5409-R	CON USB2.0 Type-C Female SMD R/A
Fitted	JP102, JP103	2	JUMPER 2.54mm 1x2	WCON	3710-6001OS0B01	MECH HW JUMPER 2.54mm 1x2 Black
Fitted	LABEL1	1	PCBA LABEL 6X6mm	ACT Logimark AS	505462	LABEL PCBA 6x6mm Datamatrix
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, R103, R200, R201, R202, R203, R204, R205, R207, R210, R213, R214	13	47k	Yageo	RC0402FR-0747KL	RES TKF 47k 1% 1/16W SMD 0402
Fitted	R104, R105, R106, R107, R108	5	270R	KOA Speer	RK73H1ETTP2700F	RES TKF 270R 1% 1/10W SMD 0402
Fitted	R109, R114, R209, R212, R215, R218	6	1k	Panasonic	ERJ-2RK1001X	RES TKF 1k 1% 1/10W 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	ERJ-2RK1001X	RES TKF 330R 1% 1/10W SMD 0402 AEC-Q200
Fitted	R216, R217	2	5.1k	Panasonic	ERJ-2RK1001X	RES TKF 5.1k 1% 1/10W SMD 0402
Fitted	SW100	1	TACT SPST	Dailywell Electronics Co.,Ltd.	TS604VM1-035CR-R	SWITCH TACT SPST 12 50mA TS604VM1-035CR-R SMD
Fitted	Test1	1				TEST, PIC32CM-Px-DIP-28-CNANO
Fitted	Test2	1	Debugger Firmw are			FW_CNANO-DEBUGGER
Fitted	U100	1	PIC32CM6408PL10028	Microchip Technology	PIC32CM6408PL10028-I/SP	MCHP MCU 32-BIT 24MHz 64KB 8KB PIC32CM6408PL10028-I/SP SPDIP
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-TR	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
Not Fitted	C107, C108, C109, C110	0	10pF	Murata	GJM155C1H100JB01D	CAP CER 10pF 50V 5% NP0 SMD 0402
Not Fitted	J101	0	HDR-1.27 Male 2x5	Samtec Inc.	FTSH-105-01-F-D-K	CON HDR-1.27 Male 2x5 Gold POL TH VERT
Not Fitted	R112, R113	0	0R	Vishay	CRCW0402000020EDHP	RES TKF 0R 1/5W SMD 0402 AEC-Q200
Not Fitted	Y100	0	10.000MHz	Microchip Technology	VXM7-9048-10M0000000	MCHP CRYSTAL 10.000MHz 12pF VXM7-9048-10M0000000 SMD L3.2W2.5XH0.8
Not Fitted	Y101	0	32.768kHz	Microchip Technology	VMK3-9001-32K7680000TR	MCHP CRYSTAL 32.768kHz 9pF SMD L3.2W1.5XH0.9

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Approved

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