

Component list

PIC16F13276 Curiosity Nano

PCBA Number:

02-01547

PCBA Revision:

2

Variant:

Default Assembly

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Fitted	Designator	Quantity	Value	Manufacturer 1	Manufacturer Part Number 1	Description_
Fitted	C100, C101	2	0.1uF	KEMET	C0402C104K4RA C7867	CAP CER 0.1uF 16V 10% X7R SMD 0402
Fitted	C103	1	2.2uF	Murata	GRM155R61A225KE95D	CAP CER 2.2uF 10V 10% X5R SMD 0402
Fitted	C104, C105	2	15pF	Murata	GJM1555C1H150JB01J	CAP CER 15pF 50V ±5% COG SMD 0402
Fitted	C200, C203, C204	3	2.2uF	Murata	GRM155R61A225KE95D	CAP CER 2.2uF 10V 10% X5R SMD 0402
Fitted	C201, C202, C207, C208	4	0.1uF	KEMET	C0402C104K4RA C7867	CAP CER 0.1uF 16V 10% X7R 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-D12Y 1WT86	LED YELLOW DIFFUSED 1608 SMD
Fitted	D200	1	LED SINGLE SML-P12MT86R YELLOW-GREEN	Rohm Semiconductor	SML-P12MT86R	DIO LED YELLOW-GREEN 2.2V 20mA 25mcd Clear SMD 0402
Fitted	J203	1	USB2.0 Type-C FEMALE	KLS Electronic	L-KLS11-5409-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, R101, R102	3	47k	Yageo	RC0402FR-0747KL	RES TKF 47k 1% 1/16W SMD 0402
Fitted	R103, R104, R105, R106, R107, R108, R109	7	1k	Panasonic	ERJ-2RKF1001X	RES TKF 1k 1% 1/10W SMD 0402
Fitted	R110	1	0R	Vishay	CRCW0402000020EDHP	RES TKF 0R 1/5W SMD 0402 AEC-Q200
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	R209, R212, R215, R218	4	1k	Panasonic	ERJ-2RKF1001X	RES TKF 1k 1% 1/10W 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	Dailywell Electronics Co., Ltd.	TS604VM1-035CR-R	SWITCH TACT SPST 12 50mA TS604VM1-035CR-R SMD
Fitted	Test1	1				TEST, PIC16F13276 Curiosity Nano
Fitted	Test2	1	Debugger Firmw are			FW, CNA0-DEBUGGER
Fitted	U100	1	PIC16F13276	Microchip Technology	PIC16F13276-INHX	MCHP MCU 8-BIT 32MHz 28Kb 2Kb PIC16F13276-INHX VQFN-40
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	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 BLDPR 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	VMK3-9001-32K7680000TR	MCHP CRYSTAL 32.768kHz 9pF SMD L3.2W1.5XH0.9

Approved

Notes