

X-NUCLEO-CCA01M1  
BOM (1/1)

Item	Quantity	Reference	Part / Value	Voltage / Watt / Ampere	Type / TECNOLOGY informations	Tolerance	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number	Additional Notes
1	1	CN2	CONNECTOR	Screw Connector 2 Poles			Through hole 5 mm			
2	1	CN5	HEADER 10	CONNECTOR 10 pins, p. 2.54, female (socket) strip					HARWIN M20-7821046 or equivalent	Female on Top
3	2	CN6,CN9	HEADER 8	CONNECTOR 8 pins, p. 2.54 female (socket) strip					HARWIN M20-7820846 or equivalent	Female on Bottom
4	2	CN7,CN10	HEADER 19x2	CONNECTOR 38 pins (2X19) p. 2.54						Female on Bottom, Male on Top
5	1	CN8	HEADER 6	CONNECTOR 6 pins, p. 2.54, female (socket) strip					HARWIN M20-7820646 or equivalent	Female on Top
6	15	C2,C4,C5,C11,C15,C421A,C421B,C422A,C422B,C423A,C423B,C424A,C424B,C427A,C427B	100nF	35V			0603			
7	2	C418A, C425	330pF	35V			0603			
8	1	C9	680pF	16V			0603			
9	1	C3	1nF	16V			0603			
10	1	C7	4.7nF	16V			0603			
11	2	C415SL, C416S	470nF	35V			1206			
12	2	C426A, C426B	1uF	35V			1206			
13	1	C12	10uF	5V		10%	1206			
14	1	C428	100uF	35V		20%	SMT	PANASONIC	EEEHAV101XAP or equivalent	
15	1	IC1	STA350BW				PSSO36	STMicroelectronics	STA350BW	
16	4	TP1, TP2, TP3, TP4	HEADER 1				NOT MOUNTED			NOT MOUNTED
17	2	J7 (OUT1A-OUT1B, OUT2A-OUT2B)	Screw Connector 2 poles, Vertical Mount PCB Terminal Blocks	3A			Through hole 5 mm	Any		
18	1	R31	0 ohm				0603			
19	1	R32	2R2	1/16W		1%	0603			
20	2	R1,R2	10K	1/16W		1%	0603			
21	1	R6	2.2K	1/16W		1%	0603			
22	2	R4, R5	NOT MOUNTED				NOT MOUNTED			
23	4	R424A, R424B, R425A, R425B	6R2	0.5W		1/7%	1206			
24	2	R422A, R423	20R	0.5W		1/7%	1206			
25	9	J4, J5, J6, J8, J9, J10, J13, J14, J19	SOLDERED							
26	15	J1, J2, J3, J11, J12, J15, J16, J17, J18, J20, J21, J22, J23, J24, J25	NOT SOLDERED							
27	1	D1	B240				SMD	DIODES INCORPORATED	B240	
28	1	D2	SMA6J26A				SMD	STMicroelectronics	SMA6J26A	
29	4	L421A, L421B, L422A, L422B	22uH COIL				SMD	SUNLORD	SWPA6045S220MT	
30	4	D3, D4, D5, D6	ESDA25W				SOT323-3L	STMicroelectronics	ESDA25W	