

PROJECT NAME: X-NUCLEO IHM05A1

BILL OF MATERIALS

Item	Quantity	Reference	Part / Value	Voltage / Watt / Ampere	Type / TECHNOLOGY informations	Tolerance	Package	Manufacturer's ordering code / Orderable Part Number	Additional Notes
1	1	C1	Not mounted	63V	ALUMINIUM	20%	EEEFK1J101P	PANASONIC	EEEFK1J101P
2	3	C2 C3 C9	100NF	50V	CERAMIC	15%	C0603		
3	1	C4	220NF	35V	CERAMIC	15%	C0603		
4	1	C5	10NF	50V	CERAMIC	15%	C0603		
5	1	C6	5.6NF	50V	CERAMIC	15%	C0603		
6	2	C7 C8	68NF	50V	CERAMIC	10%	C0603		
7	2	C10 C11	820PF	50V	CERAMIC	15%	C0603		
8	1	C12	100UF	63V	ALUMINIUM	20%	ECA1AHG471	NICHICON	UVR1J101MPD
9	1	CN1	MKDS1/6-3.81		SCREW CONNECTOR		MKDS1/6-3.81	PHOENIX CONTACT	MKDS1/6-3.81
10	1	CN5	CON-1x10		HEADER		SSQ110-03	SAMTEC	SSQ-110-04-F-S
11	2	CN6 CN9	CON-1x8		HEADER		SSQ108-03	SAMTEC	SSQ-108-04-F-S
12	2	CN7 CN10	Not mounted		HEADER		SSQ119-04D	SAMTEC	SSQ-119-04-L-D
13	1	CN8	CON-1x6		HEADER		SSQ106-03	SAMTEC	SSQ-106-04-F-S
14	1	D1	BAR43		DIODE		BAR43	STMICROELECTRONICS	BAR43SFILM
15	4	D2-D5	YELLOW		LED		LEDC-0603		
16	2	R1 R2	0R3	2W	CMS	1%	R2512	BOURNS	CRM2512-FX-R300ELF
17	1	R3	100R	1/10W	CMS	5%	R0603		
18	1	R4	100K	1/10W	CMS	5%	R0603		
19	2	R5 R6	4.7K	1/10W	CMS	5%	R0603		
20	2	R7 R8	2.2K	1/10W	CMS	5%	R0603		
21	2	R9 R10	47K	1/10W	CMS	5%	R0603		
22	4	R11-R14	10K	1/2W	CMS	5%	R0805		
23	1	R15	0R	1/10W	CMS	5%	R0603		
24	1	U1	L6208PD		MOTOR DRIVER		L6208PD	STMICROELECTRONICS	L6208PD