

**X-NUCLEO-IHM03A1**

Item Number	Part Reference	Value	Quantity	Description	Part Number	Manufacturer	Manufacturer Part Number
1	C1 C6	100NF	2	CAP CER 100nF 50V X7R 0603	100NF_50V_X7R_0603		
2	C2	220NF	1	CAP CER 220nF 35V X7R 0603	220NF_35V_X7R_0603		
3	C3 C7	470NF	2	CAP CER 470nF 25V X7R 0603	470NF_25V_X7R_0603		
4	C4	3.3NF	1	CAP CER 3.3nF 50V X7R 0603	3.3NF_50V_X7R_0603		
5	C5	NP	1	CAP NP 0603	C_NP_0603		
6	C8	47NF	1	CAP CER 47nF 100V X7R/X7S 0805	47NF_100V_X7R/X7S_0805		
7	C9	22UF	1	CAP TANT 22uF 6V3 10% PACK-A	22UF_6V3_TANT_PACK-A		
8	C10-C13	220NF	4	CAP CER 220nF 100V X7R 0805	220NF_100V_X7R_0805		
9	C14 C15	68UF	2	CAP ALU 68uF 100V SMD 17x17	EEV-FK2A680Q	PANASONIC	EEV-FK2A680Q
10	C16 C17	NP	2	CAP ALU 68uF 100V Radail 10x6-P5	UHE2A680MPD	NICHICON	UHE2A680MPD
11	CN1	MKDS1/6-3.81	1	Screw connector 6 poles MKDS 1/6-3.81	MKDS1/6-3.81	PHOENIX CONTACT	MKDS1/6-3.81
12	CN3	CON-1x2	1	THOUGH-HOLE-1x2-Pin height 14.8 - Body 8.5mn - picth 2.54	SSQ-102-04-F-S	SAMTEC	SSQ-102-04-F-S
13	CN5	CON-1x10	1	THOUGH-HOLE-1x10-Pin height 14.8 - Body 8.5mn - picth 2.54	SSQ-110-04-F-S	SAMTEC	SSQ-110-04-F-S
14	CN6 CN9	CON-1x8	2	THOUGH-HOLE-1x8-Pin height 14.8 - Body 8.5mn - picth 2.54	SSQ-108-04-F-S	SAMTEC	SSQ-108-04-F-S
15	CN7 CN10	CON-2x19	2	THOUGH-HOLE-2x19-Pin height 14.8 - Body 8.5mn - picth 2.54	SSQ-119-04-L-D	SAMTEC	SSQ-119-04-L-D
16	CN8	CON-1x6	1	THOUGH-HOLE-1x6-Pin height 14.8 - Body 8.5mn - picth 2.54	SSQ-106-04-F-S	SAMTEC	SSQ-106-04-F-S
17	D1	BAR43	1	Double Diode High Speed Switching Diode	BAR43	ST	BAR43SFILM
18	D2	RED	1	LED RED - 0805 -2mcd - 621nm	LED_RED	LITE-ON	LTST-C170-EKT
19	D3-D7	YELLOW	5	LED YELLOW - 0805 -6mcd - 588nm	LED_YELLOW	LITE-ON	LTST-C170-YKT
20	D8	GREEN	1	LED GREEN - 0805 -6mcd - 569nm	LED_GREEN	LITE-ON	LTST-C170-GKT
21	D9 D10	BAT46ZFILM	2	DIODE SCHOTTKY 150MA	BAT46	ST	BAT46ZFILM
22	MIRE1-MIRE3	OPTICAL_TARGET	3	OPTICAL_TARGET	OPTICAL_TARGET		
23	R1 R2	OR1	2	RES 0.1 OHM 5% 2W 2512	OR1_5%_2512		
24	R3 R8 R10 R11	OR	4	RES 0 OHM 5% 1/8W 0805	OR_5%_0805		
25	R4-R7 R9 R12 R22	NP	7	RES NP 0805	R_NP_0805		
26	R13 R25 R26	39K	3	RES 39K OHM 5% 1/10W 0603	39K_5%_0603		
27	R14 R20 R21	330R	3	330R OHM 5% 1/10W	330R_5%_0603		
28	R15 R23	OR	2	RES 0 OHM 5% 1/10W 0603	OR_5%_0603		
29	R16-R19	10K	4	RES 10K OHM 5% 1/10W 0805 SMD	10K_5%_0805		
30	R24 R27-R30	NP	5	RES NP 0603	R_NP_0603		
31	TP1	KEYSTONE-5000	1	TEST POINT RED	KEYSTONE 5000	KEYSTONE	KEYSTONE 5000
32	U1	POWERSTEP01	1	Fully integrated stepper motor driver	POWERSTEP01	ST	POWERSTEP01