

BOM (1/1) - X-NUCLEO-IHM06A1

Item	Quantity	Reference	Part / Value	Voltage / Watt / Ampere	Type / TECHNOLOGY informations	Tolerance	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number
1	1	CN5	SSQ-110-04-F-S		HEADER			SAMTEC	SSQ-110-04-F-S
2	2	CN6,CN9	SSQ-108-04-F-S		HEADER			SAMTEC	SSQ-108-04-F-S
3	2	CN7,CN10	NP		HEADER			SAMTEC	SSQ-119-04-L-D
4	1	CN8	SSQ-106-04-F-S		HEADER			SAMTEC	SSQ-106-04-F-S
5	1	C1	3.3NF	50v	CER	15%	603	N.A.	3.3NF_50V_X7R_0603
6	1	C2	2.2UF	16V	CER	20%	603	N.A.	2.2UF_16V_X5R_0603
7	1	C3	NP	16V	ALU	20%	D5_H11_P2	WURTH ELECTRONIK	860010372002
8	1	C4	22UF	16V	ALU	20%	L4.5_W4.5	WURTH ELECTRONIK	865080340003
9	1	C5	1NF	50V	CER	15%	603	N.A.	1NF_50V_X5R_0603
10	1	C6	10NF	50V	CER	15%	603	N.A.	10NF_50V_X7R_0603
11	1	C7	22NF	50V	CER	5%	603	N.A.	22NF_50V_X7R_0603
12	1	C8	220NF	35V	CER	15%	603	N.A.	220NF_35V_X7R_0603
13	4	D1,D2,D3,D4	YELLOW		LED		805	WURTH ELEKTRONIK	150080YS75000
14	1	D5	RED		LED		805	WURTH ELEKTRONIK	150080RS75000
15	1	J1	691241510006		SCREW			WURTH ELEKTRONIK	691241510006
16	3	M1,M2,M3	OPTICAL_TARGET		OPTICAL_TARGET			N.A.	OPTICAL_TARGET
17	1	Q2	N-MOS		CMS		SOT23	FAIRCHILD	2N7002
18	1	R1	0R	1/8W	RES	5%	805	N.A.	0R_5%_0805
19	2	R2,R21	NP		RES		603	N.A.	R_NP_0603
20	1	R3	18K	1/10W	RES	5%	603	N.A.	18K_5%_0603
21	1	R4	39K	1/10W	RES	5%	603	N.A.	39K_5%_0603
22	2	R5,R16	330R	1/10W	RES	5%	603	N.A.	330R_5%_0603
23	4	R6,R7,R8,R9	0R68	1/3W	RES	1%	805	N.A.	0R68_1%_0805_0.33W
24	5	R10,R23,R24,R25,R26	47K	1/10W	RES	5%	603	N.A.	47K_5%_0603
25	1	R11	1K	1/10W	RES	5%	603	N.A.	1K_5%_0603
26	4	R12,R13,R14,R15	2.2K	1/8W	RES	5%	805	N.A.	2.2K_5%_0805
27	4	R17,R19,R32,R33	330R	1/8W	RES	5%	805	N.A.	330R_5%_0805
28	2	R18,R20	NP		RES		805	N.A.	R_NP_0805
29	1	R22	22K	1/10W	RES	5%	603	N.A.	22K_5%_0603
30	1	R27	22K	1/10W	RES	1%	603	N.A.	22K_1%_0603
31	4	R28,R29,R30,R31	10K	1/10W	RES	5%	603	N.A.	10K_5%_0603
32	1	R34	5.6K	1/10W	RES	5%	603	N.A.	5.6K_5%_0603
33	1	R35	1K	1/2W	TRIMMER	10%	L7_W7_H5.8	COPAL ELECTRONICS	CT-6EP102
34	4	S1,S2,S3,S4	450301014042		SWITCH		L10_W2.5_H6.4	WURTH ELECTRONIK	450301014042
35	1	TP1	5001		TEST POINT			KEYSTONE	5001
36	3	TP2,TP3,TP4	5000		TEST POINT			KEYSTONE	5000
37	1	U1	STSPIN220		DRIVER		QFN16_L3_W3_P0.5	STMICROELECTRONICS	STSPIN220
38	1	U2	SN74LVC1G125DCKR		LOGIC		SOT353	TEXAS INSTRUMENTS	SN74LVC1G125DCKR