

X-NUCLEO-IHM12A1
BILL OF MATERIALS

Item	Quantity	Reference	Manufacturer	Manufacturer's ordering code / Orderable Part Number	Package	Part / Value	Voltage / Watt / Ampere	Tolerance	Type / TECNOLOGY informations
1	1	CN5	SAMTEC	SSQ-110-04-F-S		SSQ-110-04-F-S			HEADER
2	2	CN6,CN9	SAMTEC	SSQ-108-04-F-S		SSQ-108-04-F-S			HEADER
3	2	CN7,CN10	SAMTEC	ESQ-119-24-G-D		NP			HEADER
4	1	CN8	SAMTEC	SSQ-106-04-F-S		SSQ-106-04-F-S			HEADER
5	1	C1	N.A.	3.3NF_50V_X7R_0603	603	3.3NF	50v	15%	CER
6	1	C2	N.A.	2.2UF_16V_X5R_0603	603	2.2UF	16V	20%	CER
7	1	C3	WURTH ELECTRONIK	860010372002	D5_H11_P2	NP	16V	20%	ALU
8	1	C4	WURTH ELECTRONIK	865080340003	L4.5_W4.5	22UF	16V	20%	ALU
9	1	C5	N.A.	1NF_50V_X5R_0603	603	1NF	50V	15%	CER
10	1	C6	N.A.	10NF_50V_X7R_0603	603	10NF	50V	15%	CER
11	1	C7	N.A.	22NF_50V_X7R_0603	603	22NF	50V	5%	CER
12	1	C8	N.A.	2.2NF_50V_X7R_0603	603	2.2NF	50V	15%	CER
13	4	D1,D2,D3,D4	WURTH ELEKTRONIK	150080YS75000	805	YELLOW			LED
14	1	D5	WURTH ELEKTRONIK	150080RS75000	805	RED			LED
15	1	J1	WURTH ELEKTRONIK	691241510006		691241510006			SCREW
16	3	M1,M2,M3	N.A.	OPTICAL_TARGET		OPTICAL_TARGET			OPTICAL_TARGET
17	1	R1	N.A.	0R_5%_0805	805	0R	1/8W	5%	RES
18	2	R2,R23	N.A.	R_NP_0603	603	NP			RES
19	1	R3	N.A.	18K_5%_0603	603	18K	1/10W	5%	RES
20	1	R4	N.A.	39K_5%_0603	603	39K	1/10W	5%	RES
21	6	R5,R16,R17,R18,R19,R2	N.A.	330R_5%_0603	603	330R	1/10W	5%	RES
22	4	R6,R7,R8,R9	N.A.	0R68_1%_0805_0.33W	805	0R68	1/3W	1%	RES
23	2	R10,R21	N.A.	47K_5%_0603	603	47K	1/10W	5%	RES
24	1	R11	N.A.	1K_5%_0603	603	1K	1/10W	5%	RES
25	4	R12,R13,R14,R15	N.A.	2.2K_5%_0805	805	2.2K	1/8W	5%	RES
26	1	R22	N.A.	200K_1%_0603	603	200K	1/10W	1%	RES
27	3	TP1,TP2,TP3	HARWIN	S1751-46R		S1751-46R			TEST POINT
28	1	U1	STMICROELECTRONICS	STSPIN240	QFN16	STSPIN240			DRIVER
29	1	U2	TEXAS INSTRUMENTS	SN74LVC1G125DCKR	SOT353	SN74LVC1G125DCKR			LOGIC