

X-NUCLEO-IHM13A1

BILL OF MATERIALS

Item	Quantity	Reference	Manufacturer	Part Number	Descr	Type / TECNOLOGY informations	Package
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	3.3NF, 50v , 15%	CER	603
6	1	C2	N.A.	2.2UF_16V_X5R_0603	2.2UF, 16V , 20%	CER	603
7	1	C3	WURTH ELECTRONIK	860010372002	NP, 16V , 20%	ALU	D5_H11_P2
8	1	C4	WURTH ELECTRONIK	865080340003	22UF, 16V , 20%	ALU	L4.5_W4.5
9	1	C5	N.A.	1NF_50V_X5R_0603	1NF, 50V , 15%	CER	603
10	1	C6	N.A.	10NF_50V_X7R_0603	10NF, 50V , 15%	CER	603
11	1	C7	N.A.	22NF_50V_X7R_0603	22NF, 50V , 5%	CER	603
12	1	C8	N.A.	2.2NF_50V_X7R_0603	2.2NF, 50V , 15%	CER	603
13	2	D1,D2	WURTH ELEKTRONIK	150080YS75000	YELLOW	LED	805
14	1	D3	WURTH ELEKTRONIK	150080RS75000	RED	LED	805
15	2	J1,J2	WURTH ELECTRONIK	691213510002	691213510002	SCREW	
16	3	M1,M2,M3	N.A.	OPTICAL_TARGET	OPTICAL_TARGET	OPTICAL_TARGET	
17	1	R1	N.A.	0R_5%_0805	0R, 1/8W, 5%	RES	805
18	2	R2,R20	N.A.	R_NP_0603	NP	RES	603
19	1	R3	N.A.	18K_5%_0603	18K, 1/10W, 5%	RES	603
20	1	R4	N.A.	39K_5%_0603	39K, 1/10W, 5%	RES	603
21	4	R5,R16,R18,R19	N.A.	330R_5%_0603	330R, 1/10W, 5%	RES	603
22	2	R6,R8	N.A.	0R68_1%_0805_0.33W	0R68, 1/3W, 1%	RES	805
23	2	R10,R21	N.A.	47K_5%_0603	47K, 1/10W, 5%	RES	603
24	1	R11	N.A.	1K_5%_0603	1K, 1/10W, 5%	RES	603
25	2	R12,R13	N.A.	2.2K_5%_0805	2.2K, 1/8W, 5%	RES	805
26	1	R17	N.A.	200K_1%_0603	200K, 1/10W, 1%	RES	603
27	3	TP1,TP2,TP3	HARWIN	S1751-46R	S1751-46R	TEST POINT	
28	1	U1	STMICROELECTRONICS	STSPIN250	STSPIN250	DRIVER	QFN16
29	1	U2	TEXAS INSTRUMENTS	SN74LVC1G125DCKR	SN74LVC1G125DCKR	LOGIC	SOT353