

Document reference:	PCB reference:
<b>STEVAL-IHM041V1</b>	

Company:  
**STMicroelectronics**

Index	Quantity	Reference	Value / Generic Part Number	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number	Supplier	Supplier's ordering code
1	1	C1	0.22uF	1206	Any			
2	1	C2	2.2uF 250V	Boxcap	Panasonic	ECQ-E2225KF	DigiKey	EF2225
3	1	C4	470uF 10V		Nichicon	UVR1A471MED	DigiKey	493-1024
4	1	C3	220uF 10V		Panasonic	EEU-FCA221S	DigiKey	P10220
5	2	C5, C6	0.22uF	603	Any			
6	1	C7	47nF	603	Any			
7	3	D1,D2, D3	1N4148	SOD123	Diodes Inc	1N4148W-7-F	DigiKey	1N4148FDICT
8	2	J1, J3	4Pos .100 Header	4 Pos .100 Heade	Sullins	PBC36SABN	DigiKey	S1012E-36
9	1	J2	2Pos .100 Header	2 Pis .100 Heade	Sullins	PBC36SABN	DigiKey	S1012E-36
10	1	J4	2Pos .100 Header	Header, 2-Pin .10	Sullins	PBC36SABN	DigiKey	S1012E-36
11	1	LED2	Red LED	Radial	Rohm Semi	SLR-343VRT32	DigiKey	511-1256-1
12	4	LED1 LED3, LED4, LED5	DNI					
13	2	P1, P2	2Pos Locking Conn 5.08		Phoenix	EDSTLZ955-2	DigiKey	277-1128
14	1	PB1	Push Button Switch	Thru hole	Panasonic	EVQ-PAC04M	DigiKey	P8006S
15	2	PB2, PB3	DNI	Push Button Swit			DigiKey	P8006S
16	1	Q1	T1635T	Triac TO220	ST	T1635-8I		
17	2	R1, R13	1K	603	Any			
18	1	R14	100K	603	Any			
19	4	R2, R3, R5, R6	39K	1206	Any			
20	1	R4	DNI		Any			
21	2	R7, R8	100K	1206	Any			
22	4	R9, R10, R29, R31	2K	0603, 603	Any			
23	2	R11, R28	22K	0603, 603	Any			
24	1	R12	MOV	MOV	Epcos	S14K275	DigiKey	495-1412
25	1	R15	47	603	Any			
26	1	R16	0.01	2512	Bourns	CRA2010-FZ-R010ELF	Mouser	652-CRA2010FZR010ELF
27	1	R17	5K	Pot Top Adj	Bourns	3362P-1-502LF	DigiKey	3362P-502LF
28	5	R18, R22, R23, R25, R26	2.2K	603	Any			
29	1	R19	47K	603	Any			

30	2	R20, R21	100	603	Any			
31	3	R24, R32, R33	10K	603	Any			
32	1	R27	200K	603	Any			
33	1	R30	10	603	Any			
34	2	TP1, TP2	Test Point	Thru Hole	Kobiconn	151-203-RC	Mouser	151-203-RC
35	1	U1	TSV358IYDT	SO8	ST	TSV321ID/IDT		
36	1	U2	L7805ACD13	SO8	ST	L7805ACD13-TR		
37	1	U3	LM393	SO8		LM393D		
38	1	U4	STM8S103F3P6	TSSOP20	ST	STM8S103F3P6		
39	1	Z1	10V	1W Zener	Diodes Inc	SMAZ10-13-F	DigiKey	SMAZ10-FDICT