

Sales Code: STEVAL-IHM040V1	Project code:
Company: STMicroelectronics	Project name: SLIMM Based BLDC Driver

Quantity	Reference	Value/Generic Part Number	Package/Class	Manufacturer	Manufacturers ordering code	Supplier	Supplier Ordering Code
4	C1, C15, C16, C19	0.22uF	603	Any		Any	
6	C2, C8, C11, C21, C22, C23	0.1uF	603	Any		Any	
2	C3, C5	220uF 200V	Radial 18mm Dia, 7.5mm LS	Panasonic	EEU-ED2D221	DigiKey	P13522
1	C4	4.7uF	1206	Any			
2	C6, C18	47nF	603	Any		Any	
1	C7	100uF 35V	8mm Dia, 3.5mm LS	Panasonic	EEU-FC1V101	DigiKey	P10294
2	C9, C25	1.0uF	1206	Any		Any	
2	C10, C13	0.01uF	603	Any		Any	
1	C12	2.2nF	603	Any		Any	
3	C14, C17, C20	2.2uF	1206	Any		Any	
1	C24	4.7nF	603	Any		Any	
1	D1	Red Led	Thru Hole	Rohm Semi	SLR-343VRT32	DigiKey	511-1256-1
1	D2	GBU604 Bridge		Diodes Inc	GBU604	DigiKey	GBU604DI
2	D3, D4	STTH1R06A	SMA	ST	STTH1R06A	ST	
2	J1, P3	2 Pos Ver Header 5.08mm	2 Pos Header	Phoenix Contact, Phoenix Contact	1758018	DigiKey	177-1128, 277-1128
2	J1A, P3A	DNI	2 Pos Plug	Phoenix Contact	1779987	DigiKey	277-5986
1	L1	1 mH Inductor	Thru Hole 5mm LS	Würth	744-772-102	DigiKey	732-3783
1	P1	5 Pos .100 Header	Thru Hole	Sullins	PCE36SAAN	DigiKey	S1012E-36
1	P2	3 Pos Header 5.08mm	Thru Hole	Phoenix Contact	1758021	DigiKey	277-1129
1	P2A	DNI	3 Pos Plug	Phoenix Contact	1786417	DigiKey	277-5985
3	Q1, Q2, Q3		SOT223	ST	STN1NK60Z	ST	
4	R2, R4, R6, R7	2.2K	603	Any		Any	
1	R3	2k Pot	Thru Hole	Bourns	3362P-1-202LF	DigiKey	3362P-202LF
1	R5	470	603	Any		Any	
1	R8	22k	603	Any		Any	
1	R9	7.5k	603	Any		Any	
2	R10, R12	470k	1206	Any		Any	
2	R11, R13	100k	2512	Vishay/Dale	CRCW2512100KJNEG	DigiKey	541-100KCCT
1	R14	8.2k	603	Any		Any	
2	R15, R16	100	1206	Any		Any	
1	R17	2.8K	1206	Any		Any	
7	R1, R18, R20, R21, R24, R45, R46	10K	603	Any		Any	
1	R19	DNI					
1	R22	30K	603	Any		Any	
1	R23	3.9K	603	Any		Any	
2	R25, R43	1K	603	Any		Any	
1	R26	DNI					
2	R27, R41	22	603	Any		Any	
1	R28	0.25	2512	Vishay/Dale	WSL25122500FEA	DigiKey	WSLG-.25CT
6	R29, R30, R31, R35, R36, R37	200k	1206	Any		Any	
6	R32, R33, R34, R38, R39, R40	3.3k	603	Any		Any	
3	R42, R47, R48	4.7k	603	Any		Any	
1	R44	82	603	Any		Any	
1	R49	220	603	Any		Any	
1	R50	1k	1206	Any		Any	

9	TP1, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10		Via				
2	TP2, TP11		Thru Hole	Kobiconn	151-203-RC	Mouser	151-203-RC
1	U1		LQFP48	ST	STM32F100C8T6	ST	
1	U2		SO8	ST	L78L33	ST	
1	U3		SO16	ST	VIPer16	ST	
1	U4		STGIPN3H60	ST	STGIPN3H60	ST	
1	U5A		SO8	ST	LM393DT	ST	
1	U6	Opto Coupler	4 Pin DIP	CEL	PS2561A-1_a	DigiKey	PS2561A-1-A
1	W1	Not Installed					
1	Y1	8Mhz Ceramic Resonator	3 Pin SM	Murata	CSTCE8M00G55Z-RO	DigiKey	490-1219-1