

Document reference:  
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Product reference:  
**EVL6470**

Company: www.st.com  
**STMicroelectronics**



Index	Quantity	Reference	Description	Value / Generic Part Number	Package	PCB Footprint	Manufacturer	Manufacturer's ordering code / Orderable Part	Supplier	Supplier's ordering code
1	1	CN1	Connector 5.08 mm Close Vertical	CON-1x4	4 pins		WURTH ELEKTRONIK	691312510004 or equivalent		
2	1	CN2	Connector 5.08 mm Close Vertical	CON-1x2	2 pins		WURTH ELEKTRONIK	691312510002 or equivalent		
3	1	CN5	Connector through-hole-pitch 2.54	CON-1x10	1x10 pins		SAMTEC	SSQ-110-04-F-S or equivalent		
4	2	CN6,CN9	Connector through-hole-pitch 2.54	CON-1x8	1x8 pins		SAMTEC	SSQ-108-04-F-S or equivalent		
5	2	CN7,CN10	Connector through-hole-pitch 2.54	N.M.	2x19 pins					
6	1	CN8	Connector through-hole-pitch 2.54	CON-1x6	1x6 pins		SAMTEC	SSQ-106-04-F-S or equivalent		
7	1	C1	SMT Aluminum Elect. Capacitor	100uF/63V	12.5x12.5 mm		PANASONIC	EEEFK1J101P or equivalent		
8	4	C2,C3,C6,C9	SMT ceramic capacitor	100nF/50V	Size 0603					
9	1	C4	SMT ceramic capacitor	220nF/35V	Size 0603					
10	2	C5,C11	SMT ceramic capacitor	10nF/50V	Size 0603					
11	1	C7	Tantalum SMD capacitor	10uF/16V	V-3528					
12	1	C8	Tantalum SMD capacitor	47uF/16V	V-3528					
13	1	C10	SMT ceramic capacitor	N.M.	Size 0603					
14	5	D1,D2,D3,D4,D6	yellow LED	YELLOW	Size 0805					
15	1	D5	red LED	RED	Size 0805					
16	1	D7	green LED	GREEN	Size 0805					
17	1	D8	Double Diode High Speed Switching Diode	BAR43	SOT23		STMICROELECTRONICS	BAR43FILM		
18	1	D9	3.3V Zener diode	N.M.	SOD-323			BZX84J-B3V6 or equivalent		
19	1	J1	Strip connector 2 pos, 2.54 mm	OPEN	2 pins		WURTH ELEKTRONIK	61300211121 or equivalent		
20	3	R1,R3,R10	SMT resistor	330R	Size 0603					
21	4	R2,R4,R5,R25	SMT resistor	39K	Size 0603					
22	4	R6,R7,R8,R9	SMT resistor	10K-1/2W	Size 0805					
23	8	R11,R12,R13,R14,R15,R16,R19,R20	SMT resistor	0R	Size 0603					
24	5	R17,R18,R21,R22,R23	SMT resistor	N.M.	Size 0603					
25	1	R24	SMT resistor	100R	Size 0603					
26	5	TP1,TP2,TP3,TP4,TP5	SMT Test point -1.6mm	TESTPOINT			Harwin	S1751-46R or equivalent		
27	1	U2	Microstepping Motor controller	L6470PD	POWERSO36		STMICROELECTRONICS	L6470PD		
28	1		Connector 5.08 mm Horizontal with Hook on Wire Side	CON-1x4	4 pins		WURTH ELEKTRONIK	691351500004 or equivalent		
29	1		Connector 5.08 mm Horizontal with Hook on Wire Side	CON-1x2	2 pins		WURTH ELEKTRONIK	691351500002 or equivalent		