

**PROJECT NAME: STEVAL-IFP028V1**  
**BILL OF MATERIALS**

Item	Quantity	Reference	Part / Value	Voltage / Watt / Ampere	Type / TECHNOLOGY informations	Tolerance	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number
1	1	CN1	CON30		2.54mm30 pins (15x2rows)		TH	FCI	52601-S30-4LF
2	1	C1	22uF	100V	Electrolytic	+/-20%	TH	RUBYCON	100YXF22MEFC8X11.5
3	2	C2,C4	4.7nF	4kV	Single layer capacitor		TH	VISHAY	VY1472M63Y5UG63V0
5	2	C3, C10	2.2uF	100V	X7R	+/-10%	1210	TDK	C3225X7R2A225K230AB
7	1	C5	10pF	100V	X7R	+/-5%	0603	VISHAY	VJ0603A100JXBT
8	0	C6	DNM				0603		
8	1	C9	10nF	16V	X7R	+/-5%	0603	MURATA	GRM188R71C103KA01D
9	1	C8	47nF	16V	X7R	+/-10%	0603	AVX	0603YC473KAT2A
10	1	C7	100nF	16V	X7R	+/-10%	0603	MURATA	GRM188R71C104KA01D
11	1	D1	STPS1H100U	100V, 1A			SMB	STM	STPS1H100U
12	1	D2	GREEN LED	2.2V	GaP		0805	OSRAM WURTH	LG R971
13	1	D3	RED LED	1.8V	GaAlAs		0805	OSRAM WURTH	LH R974
14	1	J1	DropJumper				0603		
	1	J2	DropJumper				0603		
15	3	J4,J6,J7	DropJumper				0603		
18	1	J5	0 Ω	100mW		1%	0603	VISHAY	CRCW06030000Z0EB
19	1	R10	15k	125mW		1%	0805	TECONNECTIVITY	CRG0805F15K
20	1	R1	68k	125mW		1%	0805	BOURNS	CR0805-FX-6802GLF
21	1	R7	47k	125mW		1%	0805	BOURNS	CR0805-FX-4702ELF
22	2	R2,R5	270R	100mW		5%	0603	PANASONIC	ERJ3GEYJ271V
24	1	R9	4k7	100mW		1%	0603	BOURNS	CR0603-FX-4701ELF
25	1	R3	0 Ω	125mW		5%	0805	BOURNS	CR0805-J/-000ELF
26	1	R4	0 Ω	100mW		1%	0603	VISHAY	CRCW06030000Z0EB
27	2	OPTO1, OPTO2	OPTO COUPLER	80V			TLP291-SO4	TOSHIBA	TLP291(GB-TP,E)
29	1	R6	27k	125mW		0.1%	0805	PANASONIC	ERA6APB273V
30	2	R12,R14	1k	100mW		0.1%	0603	PANASONIC	ERA3AEB102V
32	1	R8	1k	100mW		1%	0603	TECONNECTIVITY	CRG0603F1K0
33	1	R11	3k3	125mW		1%	0805	BOURNS	CR0805-FX-3301GLF
34	1	R13	10k	100mW		0.1%	0603	PANASONIC	ERA3APB103V
35	1	R15	1k78	100mW		0.1%	0603	Panasonic	ERA3AEB1781V
36	8	TP1,TP2,TP3,TP4, TP5,TP6,TP7, TP8	TEST POINT				Ring test point 1mm	KEYSTONE	5001
44	1	J3	3 way screw connector		5_08mm		TH 5.08mm	PHOENIX CONTACT	MKDSN 1,5/3-5.08
45	1	U2	IPS160H				PWSSO12	ST	
46	1	U1	Transil	3kW			SMCJ40CA	ST	

47	1	R16	3k6	2W		2512	TECONNECTIVITY	35213K6FT
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