

PROJECT NAME: STEVAL-IFP032V1

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	8	LD1, LD2, LD3, LD4, LD5, LD6, LD7, LD8	GREEN LED	2.2V, 2mA	AlGaInP		0603	OSRAM	LS L29K-G1J2-1
2	1	C7	100uF	50V	Electrolitic		TH	PANASONIC	EEEF1H101AP
3	2	C8, C9	4.7nF	4kV	Ceramic		TH	VISHAY	VY1472M63Y5UG63V0
5	2	C10, C15	1uF	50V	Ceramic		0805	MURATA	GRM31MR71H105KA88L
7	6	C11, C12, C13, C14, C16, C35	100pF	10V	Ceramic		0603	MURATA	GRM1885C1H101JA01D
13	1	C17	3.3pF	50V	Ceramic		0603	MURATA	GRM1885C1H3R3BZ01D
14	3	C20, C29, C30	4.7pF	50V	Ceramic		0603	MURATA	GRM1885C1H4R7BZ01D
17	9	C18, C19, C21, C23, C24, C25, C26, C27, C28	22nF	50V	Ceramic		0603	MURATA	GRM188F51H223ZA01D
26	1	C22	100nF	16V	Ceramic		0603	MURATA	GRM188R71C104KA01D
27	1	C31	4.7uF	10V	Ceramic		0805	MURATA	GRM21BR71A475KA73L
28	3	C32, C33, C34	10nF	16V	Ceramic		0603	MURATA	GRM188R71C103KA01D
31	2	D1, D3	STPS1L60A	1A, 60V			DO214AC	ST	STPS1L60A
33	1	D2	STPS1H100A	1A, 100V			SMA	ST	STPS1H100A
34	3	LD9, LD10, LD11	RED LED	2.2V, 2mA	AlGaInP		0603	OSRAM	LS L29K-G1J2-1
37	2	CN1, CN2	2 ways screw connector	300V, 16A			TH 5.08mm	RS	790-1159
39	7	JP2, JP3, JP4, JP5, JP7, JP9, JP10	3 ways smd selector				JP3SO_1		
46	4	JP6, JP8, JP11, JP12	2 ways smd jumper				JP2SO		
50	1	CN3	8 ways, 1 row screw connector				TH 5.08mm	RS	790-1082
51	1	L1	100uH	Isat > 700mA DCR < 0.7Ω			SMD (see datasheet)	TAYO YUDEN TOKO	NRS6045T101MMGK NR 6045T 101M
52	10	R30, R32, R34, R36, R38, R46, R47, R48, R49	10kΩ	0.1W		5%	0603	BOURNS	CR0603-JW-103GLF
62	5	R31, R33, R35, R37, R39	270Ω	0.1W		1%	0603	VISHAY	CRCW0603270RFKEA
67	4	R40, R41, R42, R43	100Ω	0.1W		5%	0603	BOURNS	CR0603-JW-101GLF
71	1	R56	8.06kΩ	0.2W		1%	0603	VISHAY	CRCW06038K06FKEA
72	1	R44	10kΩ	0.1W		1%	0603	BOURNS	CR0603-FX-1002ELF
73	1	R45	1.47kΩ	0.1W		1%	0603	PANASONIC	ERJ-3EKF1471V
74	1	R50	2.37kΩ	0.1W		1%	0603	VISHAY	CRCW06032K37FKEA
75	2	R51, R52	115Ω	0.1W		0.1%	0603	PANASONIC	ERA3AEB1150V
77	3	R53, R54, R55	470Ω	0.1W		1%	0603	TE CONNECTIVITY	CRG0603F470R
80	1	R57	33kΩ	0.1W		1%	0603	VISHAY	CRCW060333K0FKEA
81	1	TRS1	SM15T33CA	1.5kW VBR=33V VCL 59V			SMC	ST	SM15T33CA
82	1	U7	VNI8200XP-32				PSSO36	ST	VNI8200XP-32
83	5	C1, C2, C3, C4, C5	100nF	50V	Ceramic		0603	MURATA	GRM188R71H104JA93D
88	0	C6	100pF	100V	Ceramic		0603	MURATA	GRM1885C2A101JA01D

88	1	CN4	30 pins connector (15x2rows)				TH pitch 2.54mm (15x2rows)	FCI	52601-S30-4LF
89	16	R1,R2,R3,R4, R5,R6,R7,R8, R9,R10,R11,R12, R13,R14,R15,R17	150Ω	0.1W		1%	0603	BOURNS	CR0603-FX-1500ELF
105	1	R16	12.4kΩ	0.1W		1%	0603	VISHAY	CRCW060312K4FKEA
106	3	R23, R24, R25	4.7kΩ	0.1W		5%	0603	BOURNS	CR0603-JW-472GLF
109	0	R26							
109	1	R18	18.2kΩ	0.1W		1%	0603	VISHAY	CRCW060318K2FKEA
110	1	R19	27.4kΩ	0.1W		1%	0603	VISHAY	CRCW060327K4FKEA