

STEVAL-ISA149V1

Des.	Part Type/ Part Value	Description	Supplier	CASE STYLE /PACKAGE
C1	2N2	Y1 - SAFETY CAP. DE1E3KX222M	MURATA	DWG
C2	2N2	Y1 - SAFETY CAP. DE1E3KX222M	MURATA	DWG
C3	330nF	X2 - FLM CAP - R46-I 3470--M1-	ARCOTRONICS	DWG
C4	NM			DWG
C5	470N - 400V	400V - FLM CAP - B32653A4474	EPCOS	DWG
C6	100u - 450V	450V - ALUMINIUM ELCAP - LLS SERIES - 85°C	NIPPON-CHEMICON	Dia. 25X25 mm
C7	2N2	Y1 - SAFETY CAP. DE1E3KX222M	MURATA	DWG
C8	1N0	200V CERCAP - GENERAL PURPOSE	AVX	1206
C9	100N	50V CERCAP - GENERAL PURPOSE	AVX	0805
C10	1nF	50V CERCAP - GENERAL PURPOSE	AVX	1206
C11	1nF	50V CERCAP - GENERAL PURPOSE	AVX	1206
C12	1000u - 25V	25V - ALUMINIUM ELCAP - ZL SERIES - 105°C	RUBYCON	DWG
C13	100u - 25V	25V - ALUMINIUM ELCAP - YXF SERIES - 105°C	RUBYCON	DWG
C14	220N	50V CERCAP - GENERAL PURPOSE	AVX	1206
C15	1u	25V CERCAP - GENERAL PURPOSE	AVX	0805
C16	1000u - 25V	25V - ALUMINIUM ELCAP - ZL SERIES - 105°C	RUBYCON	DWG
C17	100N	50V CERCAP - GENERAL PURPOSE	AVX	0805
C18	220nF	100V CERCAP - GENERAL PURPOSE	AVX	1206
C19	2N2	50V CERCAP - GENERAL PURPOSE	AVX	1206
C20	2N2	50V CERCAP - GENERAL PURPOSE	AVX	1206
C21	1uF	25V CERCAP - GENERAL PURPOSE	AVX	0805
C22	22pF - 2KV	2KV CAP - DEA1X3D220JC1B	MURATA	5mm
C23	100N	50V CERCAP - GENERAL PURPOSE	AVX	0805
C24	2N2	Y1 - SAFETY CAP. DE1E3KX222M	MURATA	DWG
C25	220p	50V CERCAP - GENERAL PURPOSE	AVX	0805
C26	22N	50V CERCAP - GENERAL PURPOSE	AVX	0805
C30	2N2	50V CERCAP - GENERAL PURPOSE	AVX	1206
C31	1N8	50V CERCAP - GENERAL PURPOSE	AVX	0805
C32	100N	50V CERCAP - GENERAL PURPOSE	AVX	1206
C33	100u - 50V	50V - ALUMINIUM ELCAP - YXF SERIES - 105°C	RUBYCON	DWG
C34	47N	50V CERCAP - GENERAL PURPOSE	AVX	1206
C35	470N	50V CERCAP - GENERAL PURPOSE	AVX	0805
C36	100N	50V CERCAP - GENERAL PURPOSE	AVX	0805
C37	47pF	50V CERCAP - GENERAL PURPOSE	AVX	1206
C38	330pF	50V CERCAP - GENERAL PURPOSE	AVX	0805
C39	100N	50V CERCAP - GENERAL PURPOSE	AVX	1206
C40	10N	50V CERCAP - GENERAL PURPOSE	AVX	1206
C41	330pF	50V CERCAP - GENERAL PURPOSE	AVX	1206
C43	2N2	50V CERCAP - GENERAL PURPOSE	AVX	1206
C44	1N	50V CERCAP - GENERAL PURPOSE	AVX	0805
C201	4N7	50V CERCAP - GENERAL PURPOSE	AVX	PTH
D1	1N4005	RECTIFIER - GENERAL PURPOSE	VISHAY	DO-41
D2	GBU4J	SINGLE PHASE BRIDGE RECTIFIER	VISHAY	STYLE GBU - DWG
D3	STTH2L06	ULTRAFast HIGH VOLTAGE RECTIFIER	ST	DO-41
D4	NM			SMA
D4A	1.5KE300A	TRANSIL	ST	DO - 201
D5	STPS20H100CFP	HIGH VOLTAGE POWER SCHOTTKY RECTIFIER	ST	TO - 220FP
D6	S07M	HIGH VOLTAGE RECTIFIER	VISHAY	SMA
D7	STPS20H100CFP	HIGH VOLTAGE POWER SCHOTTKY RECTIFIER	ST	TO - 220FP
D8	STTH108A	HIGH VOLTAGE ULTRAFast RECTIFIER	ST	SMA
D9	LL4148	FAST SWITCHING DIODE	VISHAY	MINIMELF SOD-80
D10	LL4148	FAST SWITCHING DIODE	VISHAY	MINIMELF SOD-80
D11	STTH102	FAST SWITCHING DIODE	ST	DO-41
D12	NM			MINIMELF SOD-80
D16	LL4148	FAST SWITCHING DIODE	VISHAY	MINIMELF SOD-80
D17	BZV55-B18	ZENER DIODE	PHILIPS	MINIMELF SOD-80
F1	FUSE 4A	FUSE T4A - TIME DELAY	WICHMANN	DWG
HS1	HEAT-SINK			DWG
HS2	HEAT-SINK			DWG
HS3	HEAT-SINK			DWG
J1	MKDS 1,5/ 3-5,08	PCB TERM. BLOCK, SCREW CONN., PITCH 5MM - 3 W.	PHOENIX CONTACT	DWG
J2	MKDS 1,5/ 2-5,08	PCB TERM. BLOCK, SCREW CONN., PITCH 5MM - 2 W.	PHOENIX CONTACT	DWG
JP1	NM			1206
JPX1	SHORTED	WIRE JUMPER		DWG
JPX2	SHORTED	WIRE JUMPER		DWG
JPX3	SHORTED	WIRE JUMPER		DWG
JPX4	SHORTED	WIRE JUMPER		DWG
JPX5	SHORTED	WIRE JUMPER		DWG
JPX6	SHORTED	WIRE JUMPER		DWG
JPX7	SHORTED	WIRE JUMPER		DWG
JPX8	SHORTED	WIRE JUMPER		DWG
JPX9	SHORTED	SMD STANDARD FILM RES - JUMPER		DWG
JPX10	SHORTED	SMD STANDARD FILM RES - JUMPER		DWG
JPX11	SHORTED	SMD STANDARD FILM RES - JUMPER		DWG
JPX12	SHORTED	SMD STANDARD FILM RES - JUMPER		DWG

L1	HF2422-203Y1R0-T01	INPUT EMI FILTER	TDK	DWG
L2	SRW25CQ-T05V102	PFC INDUCTOR	TDK	DWG
L3	TSL0709 - 1R5M4R3-PF	1u5 - RADIAL INDUCTOR	TDK	DWG
Q2	STF8NM50N	N-CHANNEL POWER MOSFET	ST	TO-220FP
Q3	BC847C	NPN SMALL SIGNAL BJT	ZETEX	SOT-23
Q5	STF7NM80	N-CHANNEL POWER MOSFET	ST	TO-220FP
Q9	NM			SOT-23
Q10	BC847C	NPN SMALL SIGNAL BJT	ZETEX	SOT-23
Q11	BC847C	NPN SMALL SIGNAL BJT	ZETEX	SOT-23
R1	2R5	NTC RESISTOR - S237	EPCOS	DWG
R2	NM			0805
R3	2M2	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY	1206
R4	680K	SFR25 AXIAL STAND. FILM RES - 0.4W - 1% - 100ppm/°C	VISHAY	PTH
R5	2M2	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY	1206
R6	NM			0805
R7	3M3	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY	1206
R8	47K	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY	0805
R9	NM			0805
R10	27K	SFR25 AXIAL STAND. FILM RES - 0.4W - 1% - 100ppm/°C	VISHAY	PTH
R11	2M2	SFR25 AXIAL STAND. FILM RES - 0.4W - 1% - 100ppm/°C	VISHAY	PTH
R12	3M3	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY	1206
R13	180K	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY	1206
R14	3R9	SMD STANDARD FILM RES - 1/4W - 5% - 250ppm/°C	VISHAY	1206
R15	NM			1206
R16	NM			0805
R17	62K	SMD STANDARD FILM RES - 1/8W - 5% - 250ppm/°C	VISHAY	0805
R18	56K	SMD STANDARD FILM RES - 1/4W - 5% - 250ppm/°C	VISHAY	1206
R19	9K1	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY	0805
R20	NM			1206
R21	330K	SMD STANDARD FILM RES - 1/8W - 5% - 250ppm/°C	VISHAY	0805
R22	R015	SMD FILM RES 1W - 2512 MSR1	MEGGIT	2512
R23	27R	SMD STANDARD FILM RES - 1/4W - 5% - 250ppm/°C	VISHAY	1206
R24	100K	SMD STANDARD FILM RES - 1/8W - 5% - 250ppm/°C	VISHAY	0805
R25	470R	SFR25 AXIAL STAND. FILM RES - 0.4W - 5% - 250ppm/°C	VISHAY	PTH
R26	1Meg	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY	0805
R27	0R33	SFR25 AXIAL STAND. FILM RES - 0.4W - 5% - 250ppm/°C	VISHAY	PTH
R28	NM			1206
R29	47K	SMD STANDARD FILM RES - 1/8W - 5% - 250ppm/°C	VISHAY	0805
R30	15K	SMD STANDARD FILM RES - 1/4W - 5% - 250ppm/°C	VISHAY	1206
R31	43K	SMD STANDARD FILM RES - 1/4W - 5% - 250ppm/°C	VISHAY	1206
R32	15K	SMD STANDARD FILM RES - 1/4W - 5% - 250ppm/°C	VISHAY	1206
R33	6K8	SMD STANDARD FILM RES - 1/8W - 5% - 250ppm/°C	VISHAY	0805
R34	1Meg	SMD STANDARD FILM RES - 1/8W - 1% - 250ppm/°C	VISHAY	0805
R35	8R2	SMD STANDARD FILM RES - 1/8W - 5% - 250ppm/°C	VISHAY	0805
R36	62K	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY	1206
R37	10K	SFR25 AXIAL STAND. FILM RES - 0.4W - 5% - 250ppm/°C	VISHAY	PTH
R39	56K	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY	0805
R42	16K	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY	1206
R43	NM			0805
R45	2K2	SMD STANDARD FILM RES - 1/8W - 5% - 250ppm/°C	VISHAY	0805
R46	33R	SMD STANDARD FILM RES - 1/8W - 5% - 250ppm/°C	VISHAY	0805
R47	100K	SMD STANDARD FILM RES - 1/8W - 5% - 250ppm/°C	VISHAY	0805
R48	4K7	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY	0805
R49	24K	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY	0805
R50	2K7	SFR25 AXIAL STAND. FILM RES - 0.4W - 5% - 250ppm/°C	VISHAY	PTH
R51	1K0	SMD STANDARD FILM RES - 1/8W - 5% - 250ppm/°C	VISHAY	0805
R52	0R47	SFR25 AXIAL STAND. FILM RES - 0.4W - 5% - 250ppm/°C	VISHAY	PTH
R53	0R33	SFR25 AXIAL STAND. FILM RES - 0.4W - 5% - 250ppm/°C	VISHAY	PTH
R54	560K	SMD STANDARD FILM RES - 1/8W - 5% - 250ppm/°C	VISHAY	0805
R55	22R	SMD STANDARD FILM RES - 1/4W - 5% - 250ppm/°C	VISHAY	1206
R57	1K	SMD STANDARD FILM RES - 1/4W - 5% - 250ppm/°C	VISHAY	1206
R58	M57703	THERMISTOR - B57703M103G	EPCOS	DWG
R59	12K	SFR25 AXIAL STAND. FILM RES - 0.4W - 1% - 100ppm/°C	VISHAY	PTH
R62	4K7	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY	1206
R63	100K	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY	1206
R65	22K	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY	0805
R66	3R9	SMD STANDARD FILM RES - 1/4W - 5% - 250ppm/°C	VISHAY	1206
R67	12K	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY	0805
R68	220K	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY	1206
R69	1K0	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY	1206
R70	NM			0805
R74	NM			0805
R75	1K8	SMD STANDARD FILM RES - 1/8W - 5% - 250ppm/°C	VISHAY	0805
R76	4K7	SMD STANDARD FILM RES - 1/8W - 5% - 250ppm/°C	VISHAY	0805
R77	100K	SMD STANDARD FILM RES - 1/8W - 5% - 250ppm/°C	VISHAY	0805
R78	560R	SMD STANDARD FILM RES - 1/4W - 5% - 250ppm/°C	VISHAY	1206
R80	1K8	SMD STANDARD FILM RES - 1/4W - 5% - 250ppm/°C	VISHAY	1206
R82	0R0	SMD STANDARD FILM RES - 1/8W - 5% - 250ppm/°C	VISHAY	0805
T1	SRW32EC-T01H114	POWER TRANSFORMER	TDK	DWG
U1	L6563S	TRANSITION-MODE PFC CONTROLLER	ST	SO-14

U3	SFH617A-4	OPTOCOUPLER	INFINEON	DIP-4 - 10.16MM
U5	TSM1014AIST	LOW CONSUMPTION CC/CV CONTROLLER	ST	MINI SO-8
U6	L6566A	MULTY-MODE PWM CONTROLLER	ST	SO-16N