

STEVAL-ILL015V2

Designator	Comment	Description	Footprint	OrderCode
C1	10uF /25V / X7R	Ceramic Cap	1812	AVX LD123C106KAB2A
C2	470nF	Capacitor	0805	GME: CK0805470N/16V X7R
C3	100nF	Capacitor	0805	GME: CK0805100N X7R
C4	100uF (47uF) size D, 16V	Tantal Capacitor Polarized	7343_LH	GME: CTS 100M/16V D (907-116)
C5	4n7	Capacitor	0805	GME: CK08054N7 X7R
C7	10uF size A 16V (10V)	Tantal capacitor Polarized	3528_ABLH	GME: CTS 10M/16V A (907-112)
C8	10nF	Capacitor	0805	GME: CK080510N X7R
C9	100nF	Capacitor	0805	GME: CK0805100N X7R
C10	100nF	Capacitor	0805	GME: CK0805100N X7R
C11	100nF	Capacitor	0805	GME: CK0805100N X7R
C12	100nF	Capacitor	0805	GME: CK0805100N X7R
C13	100nF	Capacitor	0805	GME: CK0805100N X7R
C14	100nF	Capacitor	0805	GME: CK0805100N X7R
C15	100nF	Capacitor	0805	GME: CK0805100N X7R
C16	100nF	Capacitor	0805	GME: CK0805100N X7R
C17	100nF	Capacitor	0805	GME: CK0805100N X7R
CN1	MLW20G	Header 10X2, JTAG, 10 pin, dual row	HDR2X10keyLH	GME: MLW20G (800-036)
CN5	WEALTHMETAL DS-241B	Input power, 4.4V-36V	DC10B	GME: WEALTHMETAL DS-241B
D1	RGBLED	LRTB GFTG	MULTILED	LRTB GFTG-U5U9-1+AWA7-46+S7T-68
D2	RGBLED	LRTB GFTG	MULTILED	LRTB GFTG-U5U9-1+AWA7-46+S7T-68
D3	RGBLED	LRTB GFTG	MULTILED	LRTB GFTG-U5U9-1+AWA7-46+S7T-68
D4	RGBLED	LRTB GFTG	MULTILED	LRTB GFTG-U5U9-1+AWA7-46+S7T-68
D5	RGBLED	LRTB GFTG	MULTILED	LRTB GFTG-U5U9-1+AWA7-46+S7T-68
D6	RGBLED	LRTB GFTG	MULTILED	LRTB GFTG-U5U9-1+AWA7-46+S7T-68
D7	RGBLED	LRTB GFTG	MULTILED	LRTB GFTG-U5U9-1+AWA7-46+S7T-68
D8	RGBLED	LRTB GFTG	MULTILED	LRTB GFTG-U5U9-1+AWA7-46+S7T-68
D9	RGBLED	LRTB GFTG	MULTILED	LRTB GFTG-U5U9-1+AWA7-46+S7T-68
D10	RGBLED	LRTB GFTG	MULTILED	LRTB GFTG-U5U9-1+AWA7-46+S7T-68
D11	RGBLED	LRTB GFTG	MULTILED	LRTB GFTG-U5U9-1+AWA7-46+S7T-68
D12	RGBLED	LRTB GFTG	MULTILED	LRTB GFTG-U5U9-1+AWA7-46+S7T-68
D13	RGBLED	LRTB GFTG	MULTILED	LRTB GFTG-U5U9-1+AWA7-46+S7T-68
D14	RGBLED	LRTB GFTG	MULTILED	LRTB GFTG-U5U9-1+AWA7-46+S7T-68

D15	RGBLED	LRTB GFTG	MULTILED	LRTB GFTG-U5U9-1+AWA7-46+S7T-68
D16	RGBLED	LRTB GFTG	MULTILED	LRTB GFTG-U5U9-1+AWA7-46+S7T-68
D17	BridgeLH	Full Wave Diode Bridge	GMBridgeBig	GME: B250C10000SMD
D18	ST:SM6T18AC		SMA	ST: SM6T18CA
J1	AMP 440247	USB 2.0, Right Angle, SMT, B Type, Receptacle, 5 Position, Black	440247	GME: USB-MINI B F SMD (832-177)
L1	3.3uH	Inductor	inductor332	CoilCraft: MSS7341-332NLB
LD5	Red	Typical RED/AMBER GaAs LED	D0805LH	GME: LED 0805 RED 45/130ş (960-024)
P1	Header 2	Header, 2-Pin 2,54mm	HDR1X2	GME: S2G20 (832-023)
P2	Header 2	Header, 2-Pin 2,54mm	HDR1X2	GME: S2G20 (832-023)
P3	Header 2	Header, 2-Pin 2,54mm	HDR1X2	GME: S2G20 (832-023)
P4	Signal for Serial	Header, 2-Pin 2,54mm	HDR1X3	GME: S2G20 (832-023)
P5	Power for Serial	Header, 2-Pin 2,54mm	HDR1X2	GME: S2G20 (832-023)
P20	Header 2	Header, 2-Pin 2,54mm	HDR1X2	GME: S2G20 (832-023)
P21	Header 2	Header, 2-Pin 2,54mm	HDR1X2	GME: S2G20 (832-023)
P22	Header 2	Header, 2-Pin 2,54mm	HDR1X2	GME: S2G20 (832-023)
R6	36k	Resistor	0805	GME: R0805 36k 1% (901-642)
R9	36k	Resistor	0805	GME: R0805 36k 1% (901-642)
R15	330	Resistor	0805	GME: R0805 330R 1% (901-209)
R16	2k2	Resistor	0805	GME: R0805 2K2 1% (901-210)
R17	VarRez	Potentiometer	VR5	GME: PT10MVK010 (112-360) + PT10/PTC
R18	5k6	Resistor	0805	GME: R0805 5K6 1% (901-394)
R19	1k2	Resistor	0805	GME: R0805 1K2 1% (901-179)
R20	10K	Resistor	0805	GME: R0805 10K 1% (901-176)
R22	10K	Resistor	0805	GME: R0805 10K 1% (901-176)
R23	10K	Resistor	0805	GME: R0805 10K 1% (901-176)
R25	100K	Resistor	0805	GME: R0805 100K 1% (901-172)
R30	27	Resistor	0603LH	GME: R0603 27R 1% (901-476)
R31	27	Resistor	0603LH	GME: R0603 27R 1% (901-476)
R32	27	Resistor	0603LH	GME: R0603 27R 1% (901-476)
R33	27	Resistor	0603LH	GME: R0603 27R 1% (901-476)
R34	27	Resistor	0603LH	GME: R0603 27R 1% (901-476)
R35	27	Resistor	0603LH	GME: R0603 27R 1% (901-476)
R36	27	Resistor	0603LH	GME: R0603 27R 1% (901-476)
R37	27	Resistor	0603LH	GME: R0603 27R 1% (901-476)

R38	27	Resistor	0603LH	GME: R0603 27R 1% (901-476)
R39	27	Resistor	0603LH	GME: R0603 27R 1% (901-476)
R40	27	Resistor	0603LH	GME: R0603 27R 1% (901-476)
R41	27	Resistor	0603LH	GME: R0603 27R 1% (901-476)
R42	27	Resistor	0603LH	GME: R0603 27R 1% (901-476)
R43	27	Resistor	0603LH	GME: R0603 27R 1% (901-476)
R44	27	Resistor	0603LH	GME: R0603 27R 1% (901-476)
R45	27	Resistor	0603LH	GME: R0603 27R 1% (901-476)
R46	100	Resistor	0805	GME: R0805 100 1% (901-212)
R47	100	Resistor	0805	GME: R0805 100 1% (901-212)
R48	100	Resistor	0805	GME: R0805 100 1% (901-212)
S1	LEFT	Switch	Button_double	GME: P-B1720A (630-091)
S2	CENTER	Switch	Button_double	GME: P-B1720A (630-091)
S3	RIGHT	Switch	Button_double	GME: P-B1720A (630-091)
S4	RESET/EXIT	Small Switch	Button_TC-0120-Y	GME: TC-0120-Y (630-302)
U1	LED2472G	LED2472G		ST: LED2472G
U2	LED2472G	LED2472G		ST: LED2472G
U3	STM32F103Cx	Microcontroller Cortex		ST: STM32F103C6T6
U4	ST1S10	ST1S10	DFN8cool4LH	ST: ST1S10PHR
U5	LD39015M33R	Linear voltage stabilisator	SOT23-5L	ST: LD39015M33R or LDCL015M33R
U6	USB_ESD	USB signal over voltage protection	SOT666IP	ST: USBUF01P6