

		Document reference:		PCB reference Evaluation Board for LED Driver STEVAL-ILL062V1			Date:	04th-Oct-2013	
		Company: STMicroelectronics							
Category	S. No.	Reference Designator	Component Description	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number or Equivalent	Supplier	Supplier Ordering Code	Quantity
ST Devices	1	U1	Switching Regulator	HSOP8	ST	L7981A	ST	L7981A	1
	2	U2	Voltage Regulator	SO8	ST	LD1117D33	ST	LD1117D33	1
	3	U4	Microcontroller	LQFP 32	ST	STM8S005K6	ST	STM8S005K6	1
	4	U6,U7	LED Driver	TSSOP24	ST	STP16CPC26	ST	STP16CPC26	2
	5	D43	Transil	R6	ST	BZW50-27	ST	BZW50-27	1
	6	D42	Diode	SMA	ST	STPS1L30A	ST	STPS1L30A	1
Resistor	7	R19,R21	10K	SMD0805	Panasonic - ECG	ERJ-6GEYJ103V	Digikey	P10KACT-ND	2
	8	R3	5.1k	SMD0805	Panasonic - ECG	ERJ-6ENF3481V	Digikey	P5.1ATR-ND	1
	9	R4	560E	SMD0805	Panasonic - ECG	ERJ-6RQFR56V	Digikey	P.56DTR-ND	1
	10	R15,R25,R26	0E	SMD0805	Panasonic - ECG	ERJ-6GEYOR00V	Digikey	P100KACT-ND	3
	11	R9	4.7K	SMD0805	Panasonic - ECG	ERJ-6GEYJ472V	Digikey	P4.7KACT-ND	1
	12	R18,R20	POT_10K	Through hole	ALPS	RK09K113004U	Mouser	688-RK09K113004U	2
	13	R7,R8,R11,R12,R13,R23,R24,R30,R31	1K	SMD0805	Panasonic - ECG	ERJ-6GEYJ102V	Digikey	P1.0KACT-ND	7
	14	R2	3K	SMD0805	Panasonic - ECG	ERJ-6GEYJ202V	Digikey	P2.0KACT-ND	1
	15	R5	200E (DNM)	SMD0805	Panasonic - ECG	ERJ-6GEYJ201V	Digikey	P.2KACT-ND	1
	16	R6	220E	SMD0805	Panasonic - ECG	ERJ-6GEYJ221V	Digikey	P.22KACT-ND	1
Capacitors	17	C1,C3	220uF	RADIAL 8X11	Panasonic - ECG	EEU-FM1E221	Digikey	P12383-ND	2
	18	C4,C6,C16,C20,C22,C23,C24,C25,C27,C28,C30,C31	100nF	SMD0805	TDK	CGA4F2X7R1H104K	Mouser	CGA4F2X7R1H104K	12
	19	C21,C32,C33,C34,C37,C35,C36,	10uF	SMD0805	Panasonic - ECG	ECJ-2FB1A106K	Digikey	PCC2403CT-ND	7
	20	C8	220nF	SMD0805	Taiyo Yuden	UMK212SD103KD-T	Digikey	587-1114-1-ND	1
	21	C12	680pF	SMD0805	Kemet	C0805C121G5GACTU	Digikey	399-9167-1-ND	1
	22	C2,C5,C19	1uF	SMD0805	Taiyo Yuden	EMK212B7105KG-T	Digikey	587-1283-1-ND	3
	23	C7	4.7nF (DNM)	SMD0805	TDK	CGA4C2C0G1H472J or equivalent	Mouser	810-CGA4C2C0G1H472J	1
Diodes/Display/Switches	24	D1,D2,D3,D4,D5,D6,D7,D8,D9,D10,D11,D12,D13,D14,D15,D16,D17,D18,D19,D20,D21,D22,D23,D24,D25,D26,D27,D28,D29,D30,D31,D32	LED	PLCC2	Lite-On	LTW-670DS	Mouser	859-LTW-670DS	32
	25	SW2	SPST Reset	Tactile & Jog Switches	MULTICOMP	DTSM-32S-B	Farnell	9471898	1
	26	S1,S2	PUSH BUTTON	Through hole	C&K	611-PTS645SM952	Mouser	PTS645SM95-2 LFS	2
Miscellaneous	27	F1	Resettable Fuse	Through hole	TE connectivity	RXEF110	Mouser	650-RXEF110	1
	28	J1	Input power jack	Female conn	CUI	PJ1-021 or equivalent	Digikey	CP1-021-ND	1
	29	J3	SWIM Connector	SMD	ERNI	284697	ERNI	284697	1
	30	J10,J11,J12,J13,J14,J15,J16,J17	Jumpers - 2pin berg stick	Through hole	FCI	68602-108HLF or equivalent	Digikey	649-68602-108HLF	8
	31	L1	Inductor 22uH	Surface Mount	Coiltronics	DR74-220-R	Mouser	704-DR74-220-R	1
The term equivalent has been used where the exact part number from the mentioned vendor may not have been used.									
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