	Document reference: STEVAL-ILL060V1			PCB reference: STAP16DPPS05 Automotive LED Driver Evaluation Board			Date:	6th-Dec-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	A5974D	ST	A5974D	1
	2	U2	Voltage Regulator	DPAK	ST	LF33CDT	ST	LF33CDT	1
	3	U4	Microcontroller	LQFP 32	ST	STM8AF6266TD	ST	STM8AF6266TD	1
	4	U6,U7	LED Driver	HTSSOP24	ST	STAP16DPPS05	ST	STAP16DPPS05	2
	5	D41	Transil	R6	ST	BZW50-27	ST	BZW50-27	1
	6	D42	STPS3L40-Y	SMC	ST	STPS3L40SY	ST	STPS3L40SY	1
Resistances	7	R3,R19,R21	10K	SMD0805	Panasonic - ECG	ERJ-6GEYJ103V	Digikey	P10KACT-ND	3
	8	R4	3K6	SMD0805	Panasonic - ECG	ERJ-6ENF3601V	Digikey	P3.60KCCT-ND	1
	9	R6	180E	SMD0805	Panasonic - ECG	ERA-6AEB181V	Digikey	P180DACT-ND	1
	10	R15,R25,R26	0E	SMD0805	Panasonic - ECG	ERJ-6GEY0R00V	Digikey	P0.0ACT-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	R2,R7,R8,R11,R12,R13,R23,R24,R30,R31	1K	SMD0805	Panasonic - ECG	ERJ-6GEYJ102V	Digikey	P1.0KACT-ND	10
Capacitors	14	C1,C3	220uF	RADIAL 8X11	Panasonic - ECG	EEU-FM1E221	Digikey	P12383-ND	2
	15	C4,C6,C8,C16,C20,C22,C23,C24,C25,C27,C28,C30,C31	100nF	SMD0805	TDK	CGA4F2X7R1H104K	Mouser	810-CGA4F2X7R1H104K	13
	16	C21,C32,C33,C34,C35,C36,C37	10uF	SMD0805	Panasonic - ECG	ECJ-2FB1A106K	Digikey	PCC2403CT-ND	7
	17	C5	2.2uF	SMD0805	Taiyo Yuden	LMK212B7225KG-T	Digikey	587-1286-1-ND	1
	18	C12	1nF	SMD0805	Kemet	C0805C102F4GACTU	Digikey	C0805C102F4GACTU-ND	1
	19	C2,C19	1uF	SMD0805	Taiyo Yuden	EMK212B7105KG-T	Digikey	587-1283-1-ND	2
Diodes/Display/ Switches	20	D1-D32	LED	PLCC2	Lite-On	LTW-670DS	Mouser	859-LTW-670DS	32
	21	SW2	SPST Reset	Tactile & Jog Switches	MULTICOMP	DTSM-32S-B	Farnell	9471898	1
	22	S1,S2	PUSH BUTTON	Through hole	ALCOSWITCH	FSM2JH	Farnell	1555981	2
Miscellaneous	23	F1	Resettable Fuse	Through hole	TE connectivity	RXEF110	Mouser	650-RXEF110	1
	24	J1	Input power jack	Through hole	CUI Inc	PJ1-021 or equivalent	Digikey	CP1-021-ND	1
	25	J3	SWIM Connector	Through hole	ERNI	284697	ERNI	284697	1
	26	J4	4-pin female bergstick	Through hole					1
	27	J7,J8,J9,J10,J11,J12,J13,J14,J15,J16,J17	Jumpers - 2pin berg stick	Through hole					11
	28	L1	Inductor 22uH	Surface Mount	Coiltronics	DR74-220-R	Mouser	704-DR74-220-R	1
	29	J23	LIN Connector						
	DAUGHTER CARD (USB-RS232 Bridge)								
ST DEVICES	30	U3	ESDAULC6-3BP6	SOT666	ST	ESDA ULC 6 - 3 B	ST	ESDA ULC 6 - 3 B	1
	31	U4	STM32F103T8U6	VFQFPN 36 6x6x1-0	ST	STM32F103C8T7TR	ST	STM32F103C8T7TR	1
SWITCES	32	SW1	SW_PB_SPST	SMD	MULTICOMP	DTSM-32S-B	Farnell	9471898	1
CONNECTOR AND JUMPERS	33	CN1	USB-B TYPE MINI CONNECTOR	SMD	Samtec Inc	MUSB-05-S-B-SM-A	Digikey	MUSB-05-S-B-SM-A-ND	1
	34	J3	SWD Connector	Through hole, 2.54 mm pitch					1
	35	J5	Crystal	4-SMD, (DFN, LCC)	ABRACON	ABM10-16.000MHZ-E20-T	Mouser	815-AM10-16-E20-T	1
	36	J6	Daughter Card to Main board connector	Through hole, 2.54 mm pitch					1
RESISTORS	37	R1,R16	1M	SMD0402	Panasonic	ERJ-2GEJ105X	Digikey	P1.0MJCT-ND	2
	38	R8	4.7K	SMD0402	Panasonic	ERA-2AEB472X	Digikey	P4.7KDCCT-ND	1
	39	R10,R14	22	SMD0402	Panasonic	ERJ-2GEJ220X	Digikey	P22JCT-ND	2
	40	R17	1.5k	SMD0402	Panasonic	ERJ-2GEJ152X	Digikey	P1.5KJCT-ND	1
CAPACITORS	41	C1,C2	20pF	SMD0402	TDK Corporation	C1005C0G1H200J	Digikey	445-4900-1-ND	2
	42	C9,C13,C19,C20,C21	100nF	SMD0402	TDK Corporation	C1005X5R1A104K	Digikey	445-1265-1-ND	5
	43	C17,C22	4.7nF	SMD0402	TDK Corporation	C1005X7R1E472K	Digikey	445-1259-1-ND	2
	44	C18,C23	15pF	SMD0402	TDK Corporation	C1005C0G1H150J	Digikey	445-1237-1-ND	2
			The term equivalent has been used where the exact part number from the mentioned vendor may not have been used.						
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