

EV2W_LCM-EVK-A05 BOM



#	Section	Description	Designator	Comment	PART Description	Package	Quantity	Pins	Manufacturer 1	Manufacturer Part Number 1
01		0.635mm_Crimping_Pin		64322-1039	0.635mm_Crimping_Pin,TH¥,2 postions,64322-1039		1	0		
02		0.635mm_Crimping_Pin		64322-1039	0.635mm_Crimping_Pin,TH¥,2 postions,64322-1039		4	0		
03		0.635mm_Crimping_Pin		64322-1039	0.635mm_Crimping_Pin,TH¥,2 postions,64322-1039		26	0		64322-1039
04		1.5mm_Crimping_Pin		64323-1029	1.5mm_Crimping_Pin,TH¥,2 postions,64323-1029		6	0	MOLEX	64323-1029
05		Connector Housing		643202311	Connector Housing, TH¥,2 postions,643202311		1	0	MOLEX	643202311
06	Head Lamp, SPI FLASH, LIN, CAN, AVAS, Audio Amplifier	CAP NP	C100, C400, C401, C407, C408, C500, C501, C502, C504, C505, C506, C508, C510, C512							
				0.1uF	CAP NP,SMD,Ceramic,0.1uF,25 VDC,10%,X5R	[C0805]	14	2	Murata Electronics	GCM21BR71E104KA37L
07		CAP NP	C101, C105	10nF	CAP NP,SMD,Ceramic,10nF,50V,±10%,X7R	[C0805]	2	2	KEMET	C0805X103K5RACAUTO
08	Input Filter	CAP POL	C102	220uF/50V	CAP POL,TH,Electrolytic,220uF/50V,50V,20%,670mA--55°C to 105°C	[10mm Dia]	1	2	Nichicon	UCM1H221MNL1GS
09	Input Filter	CAP NP	C103, C104	DNP	CAP NP,SMD,Ceramic,DNP,50V,C1210,X7S	[C1210]	2	2	Murata	GCM32EC71H106KA03L
10	Head Lamp Controller	CAP NP	C106, C110	4.7uF	CAP NP,SMD,Ceramic,4.7 uF,50V,±10%,X7R	[C0805]	2	2	TDK Corporation	CGA4J1X7R1H475K125AC
11	Head Lamp, DRL	CAP NP	C107, C108	DNP	CAP NP, SMD, Ceramic	[C1206]	2	2	DNP	
12	Head Lamp	CAP NP	C109	390pF	CAP NP,SMD,Ceramic,390pF,100V,5%,X7R	[C1206]	1	2	Murata Electronics	GRM319R72A391JA01D
13	Head Lamp, DRL	CAP NP	C111, C128	4.7uF	CAP NP,SMD,Ceramic,4.7uF,50V,10%,X7R	[C2220]	2	2	KEMET	C2220C475K5RACAUTO
14	Head Lamp, DRL	CAP NP	C112, C129	2.2uF	CAP NP,SMD,Ceramic,2.2uF,50V,10%,X7R	[C2220]	2	2	KEMET	C2220C225K5RACAUTO
15	DRL	CAP NP	C113	470pF	CAP NP,SMD,Ceramic,470pF,50V,5%,COG	[C1206]	1	2	Murata Electronics	C1206C471J5GACAUTO
16	Head Lamp Controller	CAP NP	C114, C115	10nF	CAP NP,SMD,Ceramic,10nF,50V,±10%,X7R	[C0805]	2	2	KEMET	C0805C103K5RECAUTO
17	Head Lamp, DRL	CAP NP	C118, C119, C120, C121, C132, C133, C134, C135							
				15uF	CAP NP,SMD,Ceramic,15uF,50V,10%,X7R	[C2220]	8	2	KEMET	C2220X156K5RACAUTO
18	Head Lamp Controller, Aux Buck	CAP NP	C122, C123, C601, C603, C609	1uF	CAP NP,SMD,Ceramic,1uF,50V,±10%,X7R	[C0805]	5	2	TDK Corporation	CGA4J3X7R1H105K125AB
19	Head Lamp Sensing, Tail Lamp, LDO_5V, LDO_3V3V, Indicator Driver	CAP NP								
			C200, C203, C205, C206, C207, C208, C209, C211, C213, C216, C217, C301, C303, C304, C308, C309							
				0.1uF	CAP NP,SMD,Ceramic,0.1uF,50V,10%,X7R	[C0805]	16	2	KEMET	C0805X104K5RACAUTO
20	Tail Lamp, Indicator Driver	CAP NP	C201, C302	4.7uF	CAP NP,SMD,Ceramic,4.7uF,50V,10%,C1210,X7R	[C1210]	2	2	KEMET	C1210C475K5RACAUTO
21	Tail Lamp	CAP NP	C202	0.1uF	CAP NP,SMD,Ceramic,0.1uF,50V,10%,C1210,X5R	[C1210]	1	2	KEMET	C1210X104K5RACAUTO
22	Tail Lamp	CAP NP	C204	DNP	CAP NP,SMD,Ceramic,DNP,50V,10%,C0805,X7R	[C0805]	1	2	KEMET	C0805X104K5RACAUTO
23	LDO_5V, LDO_3V3	CAP POL	C210, C219	10uF/50V	CAP POL,TH,Electrolytic,10uF/50V,50V,20%,180mA--55 to 135°C	[8mm Dia]	2	2	Nichicon	UBW1H100MPD1TA
24	LDO_5V, LDO_3V3	CAP NP	C212, C218	33nF	CAP NP,SMD,Ceramic,33nF,50V,10%,C0805,X7R	[C0805]	2	2	KEMET	C0805C333K5RACAUTO
25	Tail Lamp	CAP NP	C214, C215, C220, C221	1000pF	CAP NP,SMD,Ceramic,1000pF,50V,±10%,X7R	[C0805]	4	2	KEMET	C0805X102K5RACAUTO
26	Indicator Driver	CAP NP	C300	2.2uF	CAP NP,SMD,Ceramic,2.2uF,50V,±10%,X7R	[C0805]	1	2	KEMET	C0805X225K5RACAUTO
27	Switch Selector	CAP NP	C305, C306, C307, C310, C311, C312							
				0.1uF	CAP NP,SMD,Ceramic,0.1uF,25V,10%	[C0805]	6	2	KEMET	C0805C104K3RACTU
28	MCU, AVAS, Audio Amplifier	CAP NP	C402, C403, C404, C405, C406, C503, C509, C511							
				1uF	CAP NP,SMD,Ceramic,1uF,10 VDC,10%,X5R	[C0805]	8	2	KEMET	C0805X105K8RACAUTO
29	CAN	CAP NP	C409	4.7nF	CAP NP,SMD,Ceramic,4.7nF,50V,5%,C0805,X5R	[C0805]	1	2	Murata Electronics	GCM2165C1H472JA16D
30	LIN	CAP NP	C410	220pF	CAP NP,SMD,Ceramic,220pF,25V,±5%,C0805,X7R	[C0805]	1	2	KEMET	C0805C221J3RACTU
31	AVAS	CAP NP	C507	3.3uF	CAP NP,SMD,Ceramic,3.3uF,16 VDC,±10%,C0805,X7R	[C0805]	1	2	TDK Corporation	CGA4J3X7R1C385K125AB
32	Aux Buck	CAP NP	C600, C602, C604	0.1uF	CAP NP,SMD,Ceramic,0.1uF,50V,10%,X7R	[C0805]	3	2	TDK Corporation	CGA4J2X7R1H104K125AE
33	Aux Buck	CAP POL	C605	220uF	CAP POL,Electrolytic,220uF,35V,±20%,670mA-55°C ~ 105°C	[Radial Can-SMD]	1	2	Nichicon	UWD1V221MCL1GS
34	Aux Buck	CAP NP	C606, C607, C608	10uF	CAP NP,SMD,Ceramic,10uF,25V,±10%,C0805,X7S	[C0805]	3	2	TDK Corporation	CGA4J1X7S1E106K125AC
33	Audio Amplifier	Phone Connector	CON500	3.5mm, AUDIO JACK, MONO						
					SMD,Connector,3.5mm, AUDIO JACK, MONO,12V DC,3.5mm,1A,,-25°C ~ 85°C	[3.5mm]	1	3	CUI Devices	MJ-3523-SMT-TR
36		Header, 36 Pins, 2 + 2 Alignment Holes								
			CON700							
37	Input Filter	TVS Bidirectional	D100	477320361	Header, 36 Pins, 2 + 2 Alignment Holes.,TH,Connector,0477320361,14V DC,	[1.5mm, 0.6mm]	1	40	MOLEX	477320361
38	Input Filter, Head Lamp, DRL	Diode	D101, D102, D105	TPSMD18CA	SMD, TVS Diode,TPSMD18CA,29.2V,102.7A3kW(PP)-65°C ~ 150°C (TJ)	[DO-214AB-2]	1	2	Littelfuse	TPSMD18CA
39	Head Lamp, DRL	Diode	D103, D106	RB068LAM100TFTR	SMD, Diode, Schottky,100V,2A150°C (Max)	[SOD-128]	3	2	ROHM	RB068LAM100TFTR
40	Head Lamp, DRL	Diode	D104, D107	RB088LAM100TFTR	SMD, 100V,.,SOD-128,5A150°C (Max)	[SOD-128]	2	2	ROHM	RB088LAM100TFTR
41	Tail Lamp, Indicator Driver	Diode	D200, D300	1SS355VMFHTE-17	SMD, 80V,100mA,150°C (Max), SC-90	[SC-90, SOD-323F]	2	2	ROHM	1SS355VMFHTE-17
42	CAN, LIN	ESD Protection Diode	D301, D302, D303, D401, D402, D700	RFN2LAM6STFTR	SMD, 600V,.,SOD-128,1.5A150°C (Max)	[SOD-128]	2	2	ROHM	RFN2LAM6STFTR
				ESD27VFMFHT106	SMD, ESD,24V,.,SC-85,3A130W150°C (TJ)	[SC-85]	6	3	ROHM	ESD27VFMFHT106
43	Input Filter	FUSE	F100	63Vdc/3A	FUSE, SMD, Fuse, 63Vdc/3A,35V	[1206]	1	2	Littelfuse	0437003.WRA
44	Head Lamp	EEPROM Connector	J101	CON_HDR_4	EEPROM Connector,TH,4 positions	[2.54mm]	1	4	CON_HDR_4	CON_HDR_4

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45	SPI FLASH	Connector Interface	J400	CON_HDR_5	TH,5 postions,CON_HDR_5,-,2.54mm	[2.54mm]	1	5	CON_HDR_5	CON_HDR_5
46	AVAS	Flash Connector	J500	CON_HDR_2x6	TH,12 postions,CON_HDR_2x6	[2.54mm]	1	12	CON_HDR_2x6	CON_HDR_2x6
47	Input Filter	Pi filter Choke	L100	DNP	SMD, Power Inductor,DNP,20%,10.5mmX10mm,+155 C	[10.5mmX10mm]	1	2	TDK	SPM10065VT-2R2M-D
48	Head Lamp	Boost Inductor	L101	12uH/5.6A	SMD, Power Inductor,12uH/5.6A,-,20%,5.6A--55°C ~ 150°C	[10.6mmX10.6mm]	1	2	Würth	7843331200
49	DRL	Boost Inductor	L102	56uH/2.8A	SMD, Power Inductor,56uH/2.8A,-,20%,--40°C ~ 125°C	[12mmX12mm]	1	2	Würth	744770156
50	Aux Buck	Pi Filter L600	2.2uH		SMD, Power Inductor,2.2uH,-,30%,4.1A--55°C ~ 150°C	[6mmX6mm]	1	2	TDK	CLF6045NIT-2R2N-D
51	Aux Buck	Buck Inductor	L601	15uH/1.75A	SMD, Power Inductor,15uH/1.75A,-,20%,1.3A,-,55°C ~ 150°C	[5.3mmX5mm]	1	2	TDK	CLF5030NIT-150M-D
52	LDO_3V3	Power LED	LD200	RED_0603	SMD,LED,RED_0603,2V,-,R0603,20mA72mW-40 to +85 °C	[R0603]	1	2	Würth	150060RS75000
53	Head Lamp	Transistor	Q100, Q101	DNP	SMD,NPN,DNP,30V,-,SOT-416,500mA150mW<150 Deg C(Tj)	[SOT-416]	2	3	ROHM	2SCR502E3HZGTL
54	Head Lamp, DRL	PNP Transistor	Q102, Q105	SSTA56HZGT116	SMD,SSTA56HZGT116,80 V, 500 mA200 mW< 150°C (Tj)	[SOT-23-3]	2	3	ROHM	SSTA56HZGT116
55	Head Lamp, DRL	P-Channel MOSFET	Q103, Q106	RQ3L120BJFRATCB	SMD,MOSFET,RQ3L120BJFRATCB,60V,12A,40W,	[HSMT8AG]	2	8	ROHM	RQ3L120BJFRATCB
56	Head Lamp, DRL	Switching MOSFET	Q104, Q107	RD3P050SNFRATL	SMD,MOSFET,RD3P050SNFRATL,100 V, DPAK,5A (Ta),15W (Tc),150°C (Tj)					
57	Tail Lamp	Tail lamp PWM Transistor	Q200, Q201, Q202, Q203	2SCR502E3HZGTL	SMD, NPN Transistor,30 V,500 mA150 mW<150 Deg C(Tj)	[SC-75, SOT-416]	4	3	ROHM	2SCR502E3HZGTL
58	Indicator Driver	Transistor	Q300, Q301	BJT	SMD,NPN,BJT,80 V,700 mA500 mW150°C (Tj)	[TO-243AA]	2	3	ROHM	2SCR514PHZGT100
59	Head Lamp, Head Lamp Controller, Head Lamp Sensing, Tail Lamp, Indicator Driver, Switch Selector	Resistor	R100, R119, R122, R150, R200, R208, R219, R228, R229, R241, R242, R308, R320, R321, R322, R323, R324, R325, R333, R334, R339, R340, R341		SMD,Thick Film,10K,150V,±1%,1/2W	[R0805]	23	2	ROHM	ESR10EZPF1002
60	Head Lamp, Head Lamp Controller, Head Lamp, DRL, Head Lamp_Sensing, Tail Lamp, LDO_3V3V, Indicator Driver, Switch Selector	Resistor	R101, R102, R103, R123, R126, R127, R130, R135, R140, R147, R202, R216, R217, R218, R220, R230, R231, R232, R233, R234, R235, R240, R243, R244, R245, R246, R247, R248, R301, R306, R307, R312, R326, R327, R330, R331, R332, R335, R336, R342, R343, R344		SMD,Thick Film,1K,150V,±1%,1/2W	[R0805]	42	2	ROHM	ESR10EZPF1001
61	Head Lamp, DRL, Tail Lamp, Indicator Driver	Resistor	R104, R151, R201, R302	DNP	SMD	[R1206]	4	2	DNP	DNP
62	Head Lamp, BD18354 sensing network , Head Lamp, Headlamp Controller, DRL, HeadLamp_Sensing, Tail Lamp, Aux Buck	Resistor	R105, R106, R107, R108, R109, R110, R111, R112, R113, R116, R117, R118, R120, R121, R129, R136, R141, R143, R148, R210, R215, R223, R224, R225, R226, R605, R606		SMD,Thick Film	[R0805]	27	2	DNP	DNP
63	Head Lamp	Resistor	R114, R115	0E	SMD,Thick Film,0E,150V,5%,1/8W	[R0805]	2	2	ROHM	SFR10EZPJ000
64	Head Lamp	Resistor	R124	100mR	SMD, Thick Film,100mR,300V,1%,R2512,2W	[R2512]	1	2	ROYALOHM	HP122WF10
65	Head Lamp Controller, Indicator Driver	Resistor	R125, R304	47K	SMD, Thick Film,47K,150V,±1%,R0805,1/2W	[R0805]	2	2	ROHM	ESR10EZPF4702
66	Head Lamp, DRL	Resistor	R128, R144	5.1R	SMD,Thick Film,5.1R,150V,±1%,R0805,1/2W	[R0805]	2	2	ROHM	ESR10EZPF5R10
67	Head Lamp	Resistor	R131	100R	SMD,Thick Film,100R,150V,±1%,R0805,1/2W	[R0805]	1	2	ROHM	ESR10EZPF1000
68	BD18354 Sensing Network	NTC	R132, R133	DNP	NTC,DNP, POWER		2	2	DNP	DNP
69	Head Lamp, DRL, Aux Buck	Resistor	R134, R146, R603, R604	10R	SMD,Thick Film,10R,150V,±1%,R0805,1/2W	[R0805]	4	2	ROHM	ESR10EZPF10R0
70	Headlamp Controller	Resistor	R137, R139	33R	SMD,Thick Film,33R,150V,±1%,1/2W	[R0805]	2	2	ROHM	ESR10EZPF33R0
71	Head Lamp	Resistor	R138	75mR	SMD, Thick Film,75mR,300V,1%,R2512,1W	[R2512]	1	2	ROYALOHM	2512WF750MT4E
72	DRL	Resistor	R142	1100mR	SMD,1100mR,200V,1%,1/2W	[R1206]	1	2	ROHM	ESR18EZPF1R10
73	DRL	Resistor	R145	270R	SMD,Thick Film,270R,150V,±1%,1/2W	[R0805]	1	2	ROHM	ESR10EZPF2700
74	DRL	Resistor	R149	470mR	SMD, Thick Film,470mR,300V,1%,R2512,2W	[R2512]	1	2	ROYALOHM	HP122WF470LT4E
75	Head Lamp	Resistor	R152	33R	SMD,Thick Film,33R,200V,±1%,1/4W	[R1206]	1	2	ROHM	SFR18EZPF33R0
76	DRL	Resistor	R153	68R	SMD,Thick Film,68R,200V,±1%,1/4W	[R1206]	1	2	ROHM	SFR18EZPF68R0
77	Tail Lamp	Resistor	R203, R205, R206, R207	100R	SMD,Thick Film,100R,200V,5%,R1206,3/4W	[R1206]	4	2	ROHM	ESR18EZPJ101
78	Head Lamp Sensing, Tail Lamp, Indicator Driver	Resistor	R204, R214, R227, R236, R237, R249, R250, R328, R329, R337, R338		SMD,Thick Film,1.5K,150V,±1%,1/2W	[R0805]	11	2	ROHM	ESR10EZPF1501
79	Tail Lamp	Resistor	R209, R211, R212, R213, R254,	5K	SMD,Jumper ,0E,-,5%,R1206,2/5W	[R1206]	5	2	ROHM	ESR18EZPJ000
80	Tail Lamp	Resistor	R221, R253	4.7K	SMD, Thick Film,4.7K,150V,±1%,1/2W	[R0805]	2	2	ROHM	ESR10EZPF4701

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81	Tail Lamp	Resistor	R222	DNP	Resistor, SMD,Thick Film,DNP,150V,±1%,1/2W	[R0805]	1	2	ROHM	ESR10EZPF4701
82	Tail Lamp	Resistor	R238, R239, R251, R252	27K	Resistor, SMD,Thick Film,27K,150V,±1%,1/2W	[R0805]	4	2	ROHM	ESR10EZPF2702
83	Indicator Driver	Resistor	R300	1R	Resistor, SMD,Thick Film,1R,150V,±1%,1/2W	[R0805]	1	2	ROHM	ESR10EZPF1R00
84	Indicator Driver	Resistor	R303	30K	Resistor, SMD,Thick Film,30K,150V,±1%,1/2W	[R0805]	1	2	ROHM	ESR10EZPF3002
85	Indicator Driver	Resistor	R305	360R	Resistor, SMD,Thick Film,360R,150V,±1%,1/2W	[R0805]	1	2	ROHM	ESR10EZPF3600
86	Indicator Driver	Resistor	R309	3.3K	Resistor, SMD,Thick Film,3.3K,150V,±1%,1/2W	[R0805]	1	2	ROHM	ESR10EZPF3301
87	Indicator Driver	Resistor	R310	68K	Resistor, SMD,Thick Film,68K,150V,±1%,1/2W	[R0805]	1	2	ROHM	ESR10EZPF6802
88	Indicator Driver	Resistor	R311, R318	150R	Resistor, SMD,Thick Film,150R,250V,5 % ,1W	[R2512]	2	2	ROYALOHM	HQ121WJ0151T4E
89	Indicator Driver	Resistor	R313, R314, R316, R317	22R	Resistor, SMD,Thick Film,22R,250V,1 % ,1W	[R2512]	4	2	ROYALOHM	HQ121WF220JT4E
90	Indicator Driver	Resistor	R315	24K	Resistor, SMD,Thick Film,24K,150V,±1%,1/2W	[R0805]	1	2	ROHM	ESR10EZPF2402
91	Indicator Driver	Resistor	R319	5.1K	Resistor, SMD,Thick Film,5.1K,150V,±1%,1/2W	[R0805]	1	2	ROHM	ESR10EZPF5101
92	SPI FLASH, LIN, AVAS, 36 Pin Connector	Resistor	R400, R401, R402, R406, R512, R703, R704	10K	Resistor, SMD,Thick Film,10K,150V,1%,R0603,1/4W	[R0603]	7	2	ROHM	ESR03EZPF1002
93	MCU, AVAS, Audio Amplifier	Resistor	R403, R508, R514	DNP	Resistor, SMD,Thick Film	[R0603]	3	2	DNP	DNP
94	MCU, LIN, AVAS, 36 Pin Connector	Resistor	R404, R412, R500, R503, R507, R513, R705, R706, R707	1K	Resistor, SMD,Thick Film,1K,150 V,1%,1/4W	[R0603]	9	2	ROHM	ESR03EZPF1001
95	LIN	Resistor	R405	2.4K	Resistor, SMD,Thick Film,2.4K,150V,±1%,0.25W	[R0603]	1	2	ROHM	ESR03EZPF2401
96	CAN	Resistor	R407, R410	62R	Resistor, SMD,Thick Film,62R,150 V,1%,1/4W	[R0603]	2	2	ROHM	ESR03EZPF62R0
97	LIN	Resistor	R408	33K	Resistor, SMD,Thick film,33K,150V,1%,0.25W	[R0603]	1	2	ROHM	ESR03EZPF3302
98	CAN	Resistor	R411	62R	Resistor, SMD,Thick Film,62R,150 V,±1%,1/2W	[R0805]	1	2	ROHM	ESR10EZPF62R0
99	AVAS	Resistor	R501, R502	4.7K	Resistor, SMD,Thick film,4.7K,150 V,1%,0.25W	[R0603]	2	2	ROHM	ESR03EZPF4701
100	AVAS	Resistor	R504, R505	100R	Resistor, SMD,Thick film,100R,150V,±1%,0.25W	[R0603]	2	2	ROHM	ESR03EZPF1000
101	SPI FLASH, Audio Amplifier	Resistor	R506, R515	100K	Resistor, SMD,Thick Film,100K,150 V,1%,R0603,0.25W	[R0603]	2	2	ROHM	ESR03EZPF1003
102	AVAS	Resistor	R509, R510, R511	0R	Resistor,SMD,Jumper,0R,-,5%,R0603,1/4W	[R0603]	3	2	ROHM	PMR03EZPJ000
103	Audio Amplifier	Resistor	R516	0E	Resistor,SMD,Jumper,0E,-,5%,R0603,1/4W	[R0603]	1	2	ROHM	PMR03EZPJ000
104	Aux Buck	Resistor	R600	680K	Resistor, SMD,Thick Film,680K,150V,±1%,1/2W	[R0805]	1	2	ROHM	ESR10EZPF6803
105	Aux Buck	Resistor	R601	93.1K	Resistor, SMD,Thick Film,93.1K,150V,±1%,R,1/2W	[R0805]	1	2	ROHM	ESR10EZPF9312
106	Aux Buck	Resistor	R602	33K	Resistor, SMD,Thick Film,33K,150V,±1%,1/2W	[R0805]	1	2	ROHM	ESR10EZPF3302
107	36 Pin Connector	Resistor	R700, R701, R702	0E	Resistor, SMD,Jumper,0E,-,5%,1/10W	[R0603]	3	2	ROHM	SFR03EZPJ000
108	Tail Lamp, Indicator Driver	Varistor	RV200, RV300	DNP	Varistor, TH, Disc MOV,DNP,20 ~ 24 V,	[13.5mm TH]	2	2	NIPPON CHEMICON	TND12H-220KB00AAA0
109	Headlamp Controller	2-CH LED Switching Controller	U100	BD18354MUF-ME2	2-CH LED Switching Controller, SMD,IC Controlle, Input Range: 5V to 70V,-40 °C to +150 °C	[VQFN40]	1	45	ROHM	BD18354MUF-ME2
110	Tail Lamp	Constant Current 4-ch LED Driver	U200	BD18347AEFV-ME2	Constant Current 4-ch LED Driver,SMD,IC_LED_Controller5.5V to 20V,HTSSOP-B16,150mA / Channel,-40°C to 125°C	[HTSSOP-B16]	1	17	ROHM	BD18347AEFV-ME2
111	LDO_5V	Linear Regulator	U201	BD750L2FP3-CE2	SMD,IC_LDO,BD750L2FP3-CE2,5V(O/p),-40°C ~ +125°C	[SOT-223-4]	1	4	ROHM	BD750L2FP3-CE2
112	LDO_3V3	Linear Regulator	U202	BD733L2FP3-CE2	SMD,IC_LDO,BD733L2FP3-CE2,3.3V,-40°C ~ +125°C	[SOT-223-4]	1	4	ROHM	BD733L2FP3-CE2
113	Indicator Driver	1-ch LED Driver	U300	BD18327EFV-ME2	1-ch LED Driver,SMD,IC_LED_Controller,6V to 18.0V (Input Range)1.5A,-40°C ~ 125°C	[HTSSOP-B20]	1	18	ROHM	BD18327EFV-ME2
114	MCU	Microcontroller	U400	ML63Q8057	Microcontroller,SMD,IC_MCU_32Bit,2.7 to 5.5 V,32Bit, AEC-Q100, 480kB Flash	[TQFP64]	1	64	ROHM	ML63Q8057
115	CAN	CAN FD Transceiver	U401	BD41044FJ-CE2	CAN FD Transceiver,SMD,IC_CAN_Transmitter,4.75V to 5.25V,-40°C ~ +125°C	[SOP-J8]	1	8	ROHM	BD41044FJ-CE2
116	LIN	LIN Transceiver	U402	BD41030FJ-CGE2	SMD,IC_LIN_Transceiver,5V to 27V,-40°C ~ 125°C	[SOP-J8]	1	8	ROHM	BD41030FJ-CGE2
117	AVAS	Speech Synthesis LSI(AVAS)	U500	ML22120TBZ0B-MX	SMD,IC_Speech_AVAS.7V to 3.6V,- 40 C to + 105 C	[32-TQFP]	1	32	LAPIS Technology	ML22120TBZ0B-MX
118	SPI FLASH	Flash Memory.	U501	MT25QL128ABB1ESE-0AUT	128Mb, 3V Multiple I/O Serial NOR Flash Memory.,SMD,IC_128MBIT_FLASH,2.7V ~ 3.6V,-40°C to 125° C(Ta)	[8-SOIC]	1	8	Micron Technology	MT25QL128ABB1ESE-0AUT
119	Audio Amplifier	High Power Monaural Speaker Amplifier	U502	BD78310EFJ-ME2	2.8 W,SMD,IC_Speaker_Amplifier,4V to 5.5V,1.6W x 1 @ 8Ohm (Output Power),-40 TO 105°C	[HTSOP-J8]	1	9	ROHM	BD78310EFJ-ME2
120	Aux Buck	Synchronous Buck DC-DC	U600	BD9P105EFV-CE2	SMDIC Controller, 3.5V - 40V,-40°C ~ 125°C	[HTSSOP-B20]	1	21	ROHM	BD9P105EFV-CE2
121	Head Lamp Sensing, Tail Lamp	Zener Diode	Z200, Z202, Z203, Z204, Z205, Z206, Z207	EDZVFHT2R4.7B	SMD, EDZVFHT2R4.7B,±2.15%,2 µA @ 1V150 mW150°C (TJ)	[SOD-523]	7	2	ROHM	EDZVFHT2R4.7B
122	Indicator Driver	Zener Diode	Z300	EDZVFHT2R3.6B	SMD,3.6V,2% Class B,SOD-523,10 µA @ 1V150 mW150°C (TJ)	[SOD-523]	1	2	ROHM	EDZVFHT2R3.6B

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