

# Stückliste

Projekt-File:	cardecoder_v3_stk.pdf
Projekt:	OpenCarDecoder Version 3
Revision:	V3.0
Kunde:	--
Bearbeiter:	T.Wilhelm

Serienstand

## Open Car - System



Toleranzen: Widerstände: 1%, Kondensatoren, Spulen 20%, wenn nichts angegeben wurde.

[www.OpenCarSystem.de](http://www.OpenCarSystem.de)

Alle Bauteile herstellernunabhängig, wenn Eintrag in der Spalte Hersteller nicht mit !! beginnt.

Stücklisten Version 3.0

Erstell-Datum: 16.03.2014

15:00:00

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10:41:16 nachm.

Pos	Menge	Bezeichnung	Wert	Beschreibung	Bauform	Lieferant	Hersteller	Hersteller Nr.
1	2	C1,C2	10µF/6,3V	SMD-Keramikkondensator X5R	0603	Mouser Electronics	Murata	GRM188R60J106ME47D
2	2	C3,C4	1µF/6,3V	SMD-Keramikkondensator X5R	0402	Mouser Electronics	Kemet	C0402C105K9PACTU
3	5	C5,C6,C7,C8,C12	0,1µF/10V	SMD-Keramikkondensator X7R	0402	Mouser Electronics	Kemet	C0402C104K8RACTU
4	1	C9	220pF/50V	SMD-Keramikkondensator X7R	0402	Mouser Electronics	Kemet	C0402C221K5RACTU
5	1	C10	10µF/6,3V	SMD-Keramikkondensator X5R	0402	Mouser Electronics	Murata	GRM155R60J106ME44D
6	1	C11	100pF/50V	SMD-Keramikkondensator X7R	0402	Mouser Electronics	Kemet	C0402C101J5GACTU
7	1	IC1	MCP1640DT-I/CHY	SMD-Schaltregler	SOT-23-6	Mouser Electronics	Microchip	MCP1640DT-I/CHY
8	1	IC2	MCP1700T-3302E/TT	SMD-LDO Spannungs-Regulator	SOT-23-3	Mouser Electronics	Microchip	MCP1700T-3302E/TT
9	1	IC3	ATMEGA328P-MU	8-Bit Mikrocontroller	MLF-32	Mouser Electronics	!Atmel	ATMEGA328P-MU
10	19	K1-26	n.f.	Anschlusspad nicht bestückt				
11	1	L1	4,7µH	SMD-Festinduktor	0805	Mouser Electronics	TDK	MLZ2012M4R7W
12	1	R1	120k	SMD-Widerstand	0402	Mouser Electronics	Panasonic	ERJ-2RKF1203X
13	3	R2,R15,R24	10k	SMD-Widerstand	0402	Mouser Electronics	Panasonic	ERJ-2RKF1002X
14	1	R3	47R	SMD-Widerstand	0603	Mouser Electronics	Panasonic	ERJ-3EKF47R5V
15	1	R4	47k	SMD-Widerstand	0402	Mouser Electronics	Panasonic	ERJ-2RKF4702X
16	5	R5,R7,R9,R16,R18	470R	SMD-Widerstand	0402	Mouser Electronics	Panasonic	ERJ-2RKF4700X
17	1	R8	100R	SMD-Widerstand	0402	Mouser Electronics	Panasonic	ERJ-2RKF1000X
18	7	R10,R11,R12,R13,R17,R20,R21	220R	SMD-Widerstand	0402	Mouser Electronics	Panasonic	ERJ-2RKF2200X
19	1	R14	33k	SMD-Widerstand	0402	Mouser Electronics	Panasonic	ERJ-2RKF3302X
20	1	R19	1k	SMD-Widerstand	0402	Mouser Electronics	Panasonic	ERJ-2RKF1001X
21	2	R22,R25	3,9k	SMD-Widerstand	0402	Mouser Electronics	Panasonic	ERJ-2RKF3901X
22	1	R23	100k	SMD-Widerstand	0402	Mouser Electronics	Panasonic	ERJ-2RKF1003X
23	1	T6	IRLML2803	SMD-MOSFET	SOT-23-3	Mouser Electronics	International Rectifier	IRLML2803TRPBF
24	1	T1	PMV65XP	SMD-MOSFET	SOT-23-3	Mouser Electronics	NXP	PMV65XP.215
25	1	T2	BCR135	SMD-Digitaltransistor	SOT-23-3	Mouser Electronics	Infineon	BCR 135W H6327
26	1	T3	SFH 309 FA-4	Fototransistor	T-1	Mouser Electronics	OSRAM	SFH 309 FA-4
27	2	T4,T5	PT19-21B	Fototransistor	0603	Mouser Electronics	Everlight	PT19-21B/L41/TR8
28	2	T4,T5	PT19-21C	alternative für Position 27	0603	Mouser Electronics	Everlight	PT19-21C/L41/TR8
29	2	T4,T5	PT17-21B	alternative für Position 27	0805	Mouser Electronics	Everlight	PT17-21B/L41/TR8
30	2	D1,D2	IR19-21C	SMD-IR-Diode	0603	Mouser Electronics	Everlight	EL-IR19-21C/L11
31	2	D1,D2	IR17-21C	alternative für Position 30	0805	Mouser Electronics	Everlight	EL-IR17-21C
32	2	D1,D2	IR11-21C	alternative für Position 30	1206	Mouser Electronics	Everlight	EL-IR11-21C
33	3	D4,D5,D6	1N4148	Diode	DO-35	Mouser Electronics	Fairchild	1N4148TA
34	1	D7	BAT42-TAP	Schottky Dioden	DO-35	Mouser Electronics	Vishay	BAT42-TAP
35	1	Platine	PCB	OpenCarDecoder V3	Platine			