

## Free EMS Board Ruzki BOM

### Parts

Qty	Type	Value	Digikey.com	Conrad.de	Reference
1	SMD Resistor 0805 1% 1/4W	120R	P120ADCT-ND		R12
6	SMD Resistor 0805 1% 1/8W	1k	P1.00KCCT-ND		R5,R6,R7,R8,R13,R14
1	SMD Resistor 0805 1% 1/8W	2,43k	P2.43KCCT-ND		R15
1	SMD Resistor 0805 1% 1/8W	3,3k	P3.30KCCT-ND		R4
6	SMD Resistor 0805 1% 1/8W	10k	P10.0KCCT-ND		R1,R2,R3,R9,R10,R11
2	SMD Capacitor 0805 10% X7R	20pF	399-8033-1-ND		C9,C10
1	SMD Capacitor 0805 10% X7R	680 pF	399-1144-1-ND		C7
1	SMD Capacitor 0805 10% X7R	6,8nF	399-1157-1-ND		C8
1	SMD Capacitor 0805 10% X7R	100nF	399-1170-1-ND		C15
9	SMD Capacitor 0805 10% X7R	220nF	399-3491-1-ND		C1,C2,C5,C6,C11,C12,C13,C14,C15
2	SMD Capacitor SMD-A 10% 20V	10µF	399-10138-1-ND		C3,C4
1	SMD LED 0805 Blue		160-1579-1-ND		D1
1	MCU MC9S12XDP512		MC9S12XDP512VAL-ND		U1
1	CAN MCP2551		MCP2551-I/SN-ND		IC1
1	Crystal	16 mHz	535-10638-1-ND		X1
2	20 pin Fisher Elektronik MK 26 SMI Pole 40			738470 - 62	P1
1	3x2 BDM Connector	3x2			P3
1	2x1 Spare Connector	2x1			P2
1	1x1 MAF Connector	1x1		741119 - 62	P4
1	2x1 Boot Jumper	2x1			JP1

I didn't use the angled socket board. I took a straight socket board and carefully bended the pins.

BOM v0.1