

Ordering semiconductors. ARDFrx80-7 pa0nhc 20171028

Part types and order numbers given for your convenience.

		OrderNr is Conrad
T1	BC547c (or eq.) PCB pinning is CBE.	140539
IC1	SA 612N Solder directly into the PCB without a socket.	www.box73.de
IC2	TL072	175404
VR1	LP2905CV 5V	175676
D1,2,101,102	1N4148	162280
D3	Zenerdiode 5.1V	180092
D4	1N4002	162221
FET1,4	BF998 SMD dual gate MOSfet. <u>Solder legs bend towards the PCB and wide leg to mass.</u>	153029
FET 5,101, 102,103 For FET 102 and 103 select a pair with the same Idss.	<p>Low IDss Jfet ($I_{ds} = 200\mu A @ V_{gs} = 1.6 - 3.8 V$, pinch-off $\leq -3V$.) <u>PCB pinning is DGS or SGD</u> <u>Twist transistor legs to fit the PCB pinning \leq</u> REM: Types below are equivalent, but <u>differ in pinning.</u> Transistor pinning seen from top and flat side, legs down, from left to righth. BF256B / BC245B / BC247B Pinning is GSD BF244B Pinning is DGS BF246B Pinning is SGD</p>	563810 Farnell Digikey eBay
CD1	BB535 or eq. (18 to 8 pF @ 0.85 to 5 V).	153196
CD101,102	BB814 (diode pair, 2x) <u>61 to 28 pF @ 0.85 to 5V, var.=33 pF).</u> or BB804 (diode pair, 2x) <u>60 to 31pF @ 0.85 to 5V, var.=29 pF).</u> Pinning is a-k-a	153261
LED 3mm	Bright red. Short leg / flat side = k = minus.	184560