

## Parts list IV-3/IV-3a/IV-6 shield for Arduino

### CARBON FILM RESISTORS ¼ W 5%

R1	510 Ω (green-brown-brown-gold)
R2, R3	1K (brown-black-red-gold)
R4	2K7 (red-purple-red-gold)
R5	3K9 (orange-white-red-gold)
R6-R18	10K (brown-black-orange-gold)
R19-30	68K (blue-gray-orange-gold)
R31-R42	100K (brown-black-yellow-gold)
R43-R54	220K (red-red-yellow-gold)

### CERAMIC/MKT /MKM CAPACITORS

C1	2.2 nF (222)
C2, C3	8.2 nF (822) IV-3, IV-3a / 22nF (223) IV-6
C4	100 nF (104)

### ELECTROLYTIC CAPACITORS

C5-C8	22 µF 50V radial
C9, C10	100 µF 25V radial

### DISCRETE SEMICONDUCTORS

D1	1N400x rectifier diode
D2-D5	1N5819 schottky diode
D7-D9	LED 3mm (choose color freely)
T1-T13	BC547B NPN transistor
T14-T25	BC557B PNP transistor
T26	BC639 NPN "power" transistor
T27	BC640 PNP "power" transistor

### INTEGRATED CIRCUITS

IC1	ICM7555 timer IC (must be CMOS version, do not use a standard 555 !)
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### CONNECTORS & DIVERSE PARTS

K1, K4 *(1)	stackable header - spacing 2.54 mm / .1" - 8 poles
K2 *(1)	stackable header - spacing 2.54 mm / .1" - 6 poles
K3 *(1)	stackable header - spacing 2.54 mm / .1" - 10 poles
TU1- TU4	IV-3/IV-3a/IV-6 VFD tube

\*(1) : mount the stackable headers only if you plan to use the shield with an Arduino compatible board. For alternative applications, you can use wire connections as well.