RGB LED RING V2.0.d – part list

1x	ATmega168 TQFP 32 (align the "dots")	AT168
3x	MBI5168 SO-16 (beveled edge → arrow, replacement: STP08CP05MTR)	IC2 – IC4
5x	100nF capacitor 0805	C1, C3, C4, C6, C8
1x	10µF capacitor 1206	C2
3x	10µF tantalum capacitor 1206 (red bar: + align to the "dot")	C5, C7, C9
2x	10k resistor 0805	R1, R2
3x	560R resistor 0805	R3, R4, R5
8x	1k resistor 0603	R6 – R13
3x	2k potentiometer (Bourns TC33X-2-202)	RV1, RV2, RV3
8x	RGB LEDs PLCC6 5050 (mark towards PCB center, 250°C max!)	D1 – D8
8x	0805 LEDs (set cathodes counter-clockwise)	D9 – D16

LED orientation