RGB LED RING V2.0.e – part list

Default	Alt.	Part	
1	1	ATmega168/328 TQFP 32, align the "dots"	AT168
3	1	MBI5168 GD: SOP16-150-1.27, beveled edge → arrow Or: MBI5167 GD: SOP16-150-1.27 Or: STP08CP05MTR	IC2, IC3, IC4
5	3	100nF ceramic capacitor, 0805	C1, C3, C4, C6, C8
1	1	10µF ceramic capacitor, 1206	C2
3	1	10µF tantalum capacitor, 1206, red bar → "dot"	C5, C7, C9
2	2	10k resistor, 0805	R1, R2
3	1	560R resistor, 0805	R3, R4, R5
3	1	2k potentiometer, Bourns TC33X-2-202	RV1, RV2, RV3
8	-	RGB LEDs PLCC6 5050, 250°C max.	D1 – D8
-	8	PLCC2 LEDs	D1 – D8
		Optional parts	
	8	0805 LEDs	D9 – D16
	8	1k resistor, 0603	R6 – R13
	1	TSOP38238, 38kHz IR receiver	IR

LED orientation