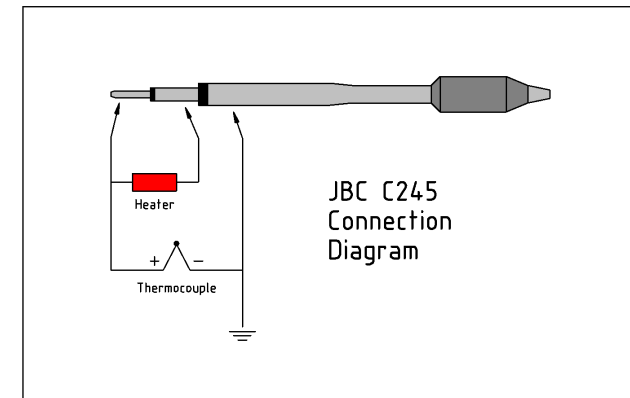


OpenSolder – JBC T245 compatible soldering station  
Modified: Marc Fischer  
Designer: Håvard Jakobsen  
Licence: GPL–3.0

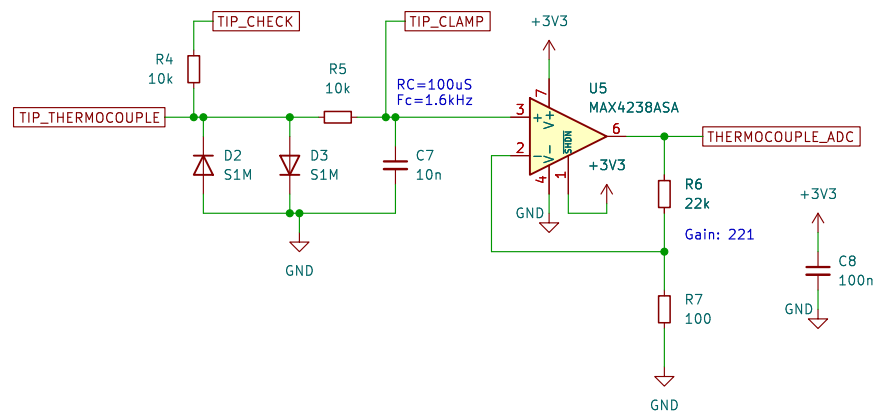
Sheet: /  
File: opensolder.kicad\_sch

**Title: Marcs OpenSolder Station Schematic**

Size: A4	Date: 2023–12–28	Rev: 1
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Rev: 1  
Id: 2/4



If TIP\_CHECK is set high (3V3), the low impedance tip ( $< 3\Omega$ ) will have a low voltage drop.  
If tip is removed,  $V_f$  of the input clamp diodes will drive the opamp into saturation.

TIP\_CLAMP is pulled low when tip is active, to prevent noise and transients driving MAX4238 into overload situations.

OpenSolder – JBC T245 compatible soldering station		
Modified: Marc Fischer		
Designer: Håvard Jakobsen		
Licence: GPL–3.0		
Sheet: /Analog/		
File: analog.kicad_sch		
<b>Title: Marcs OpenSolder Station Schematic</b>		
Size: A4	Date: 2023–12–28	Rev: 1
KiCad E.D.A. kicad 7.0.9	Id: 3/4	

