

# INPUTS EXTERNOS

VCC\_12VD → +12V

VCC\_3V3D → +3.3V

GNDD → GND

RELE\_2D → RELE\_2

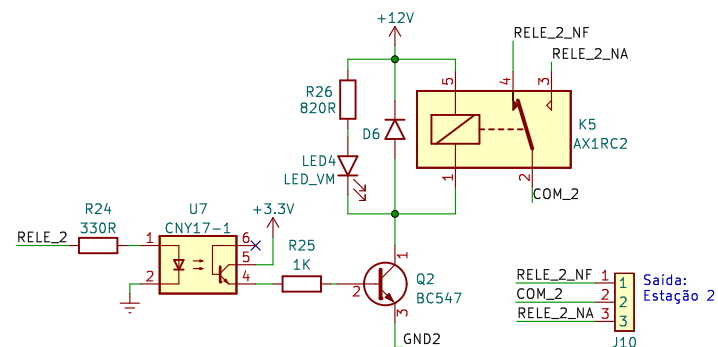
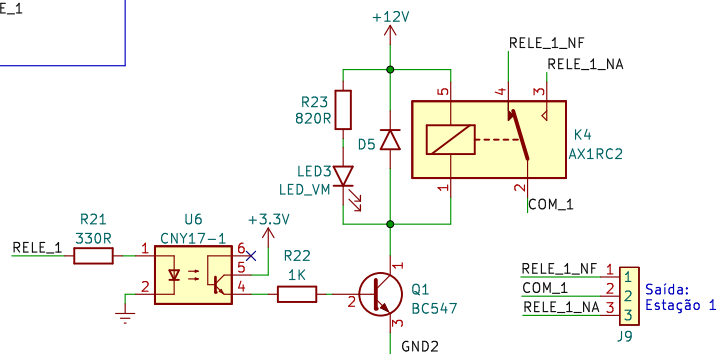
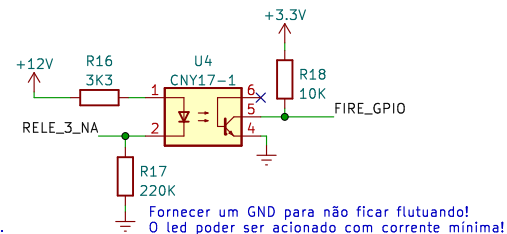
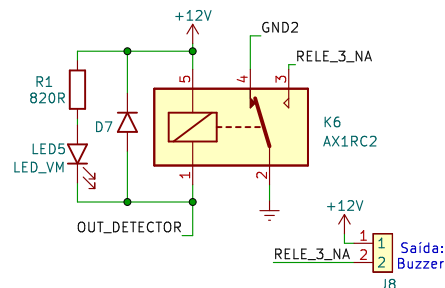
RELE\_1D → RELE\_1

# OUTPUTS EXTERNOS

FIRE\_GPIO → FIRE\_GPIO

OUT\_DETECTOR → +12V  
OUT\_DETECTOR → GND2  
OUT\_DETECTOR → J7

Saída:  
Detector de Incêndio, ao detectar fumaça é  
fechado o contato OUT com GND.



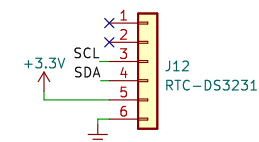
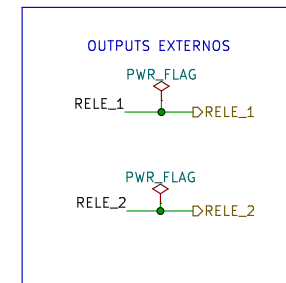
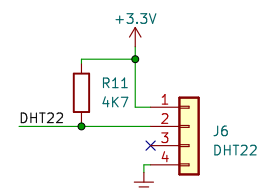
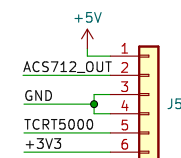
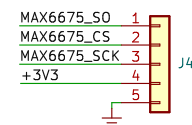
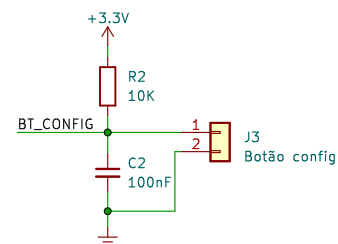
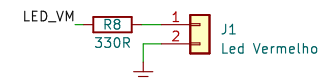
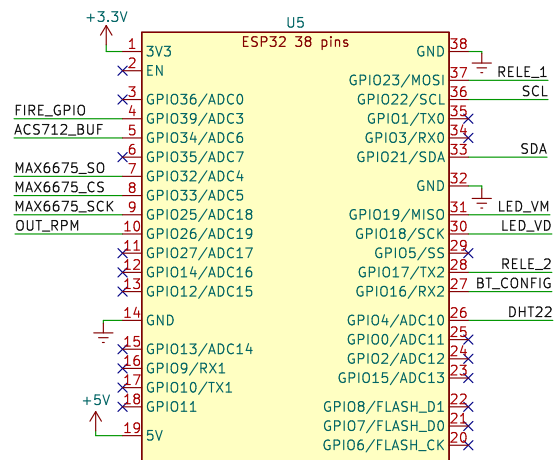
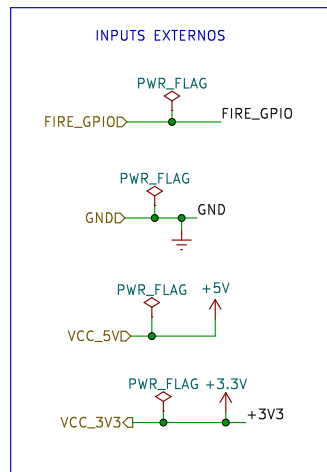
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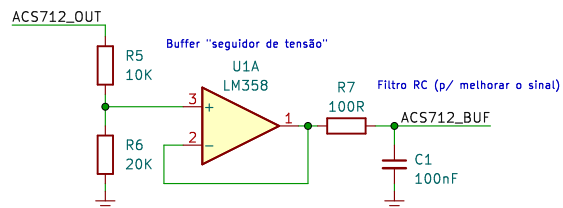
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Rev:  
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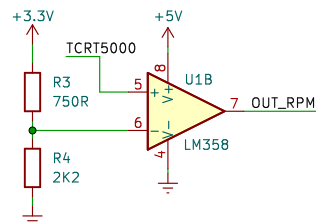


**Tratamento do sinal ACS712 – sensor de corrente**

Divisor de tensão 5V para 3V3



**Definição de nível lógico do sensor óptico**  
Contagem de pulsos TCRT5000



Sheet: /Microcontroller/  
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Date:

**Rev:**  
Id: 4/4