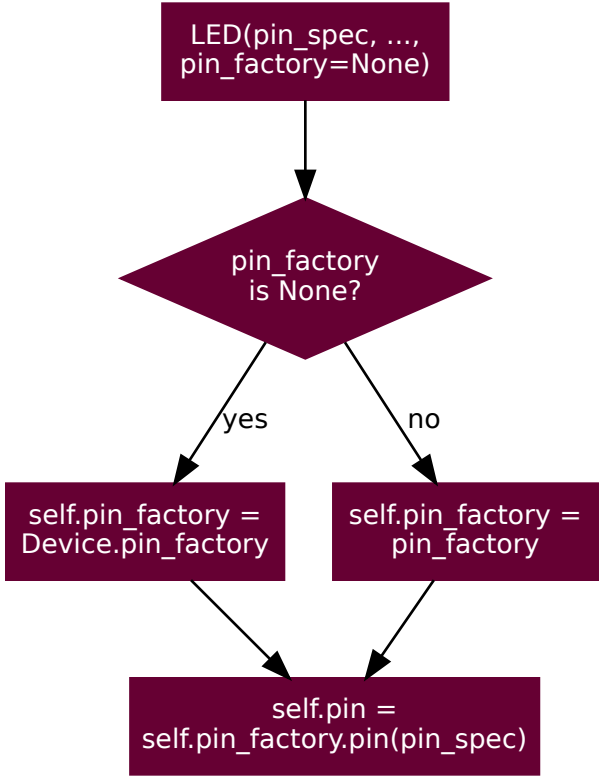


LED(pin_spec, ...,
pin_factory=None)



```
graph TD; A[LED(pin_spec, ..., pin_factory=None)] --> B{pin_factory is None?}; B -- yes --> C[self.pin_factory = Device.pin_factory]; B -- no --> D[self.pin_factory = pin_factory]; C --> E[self.pin = self.pin_factory.pin(pin_spec)]; D --> E;
```

This flowchart illustrates the logic for initializing an LED object. It starts with a function call to LED, which checks if a pin_factory is provided. If not, it defaults to Device.pin_factory. In either case, it then uses the selected pin_factory to create the pin object.

pin_factory
is None?

yes

no

self.pin_factory =
Device.pin_factory

self.pin_factory =
pin_factory

self.pin =
self.pin_factory.pin(pin_spec)