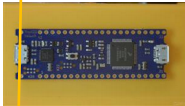





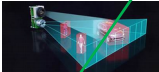











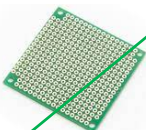
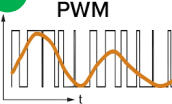
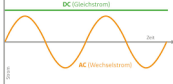












HSLU Hochschule Luzern	Morphologischer Kasten			Elektrotechnik	
	1	2	3	4	5
Rechner	<div>Tiny k22</div> <div></div>	<div>Arduino</div> <div></div>	<div>Raspberry Pi</div> <div></div>	<div>ESP32</div> <div></div>	
Objekterkennung	<div>Ultraschall</div> <div></div>	<div>IR-Sensor</div> <div></div>	<div>Lidar</div> <div></div>		
Motoren	<div>Bürstenbehafteter Motor</div> <div></div>	<div>Stromloser Motor</div> <div></div>	<div>Schrittmotor</div> <div></div>	<div>Asynchron Motor</div> <div></div>	
Anzeige (Status)	<div></div>	<div>LED's</div> <div></div>	<div>Balkenanzeige</div> <div></div>		
Akkustische Signalisierung	<div>Buzzer</div> <div></div>	<div>Lautsprecher</div> <div></div>	<div>Horn</div> <div></div>		
Motorenansteuerung	<div>Treiber kaufen</div> <div></div>	<div>eigener Treiber</div> <div></div>	<div>PWM</div> <div></div>	<div>AC/DC</div> <div></div>	
Stromversorgung	<div>Akku</div> <div></div>	<div>Batterie</div> <div></div>			
Linienenerkennung	<div>Fototransistor (MCCAR)</div> <div></div>	<div>Link kaufen (z.B. https://www.aliexpress.com/ma... de/i...)</div> <div></div>	<div>Farbsensor</div> <div></div>		
Notstop	<div>Pilz</div> <div></div>	<div>Taster</div> <div></div>			
Inputoptionen	<div>Schalter / Drehschalter</div> <div></div>	<div>Knöpfe</div> <div></div>	<div>Touchscreen</div> <div></div>		