



Legende

The diagram illustrates the connection between functional groups and their corresponding PCB components. It is organized into three main sections: Pfeile (Arrows), Funktionsgruppen (Functional Groups), and PCB - Komponenten (PCB Components).
Pfeile (Arrows):

- Spannungsversorgung (Voltage Supply) is connected to the Raspberry HAT - PCB.
- Kommunikation (z.B. UART) (Communication (e.g. UART)) is connected to the Motion Controller - PCB.

Funktionsgruppen (Functional Groups):

- Raspberry HAT - PCB
- Motion Controller - PCB
- Grip Controller - PCB
- Power Board - PCB

PCB - Komponenten (PCB Components):

- Reserveanschlüsse (Reserve connections)
- Steckverbinder (Solderless connectors)

Legend:

- Red arrow: Spannungsversorgung (Voltage Supply)
- Orange arrow: Kommunikation (z.B. UART) (Communication (e.g. UART))
- Light green square: Raspberry HAT - PCB
- Light yellow square: Motion Controller - PCB
- Cyan square: Grip Controller - PCB
- Purple square: Power Board - PCB
- Dark green square: Reserveanschlüsse (Reserve connections)
- Light blue square: Steckverbinder (Solderless connectors)

Pfeile	Funktionsgruppen	PCB - Komponenten
Spannungsversorgung	Raspberry HAT - PCB	Reserveanschlüsse
Kommunikation (z.B. UART)	Motion Controller - PCB	Steckverbinder
	Grip Controller - PCB	
	Power Board - PCB	