

Location	Part Name	Description of Use	Location	Quantity	Cost
Front Dash	RPI Display	To Display warnings to driver	<a href="https://www.adafruit.com/product/2260">https://www.adafruit.com/product/2260</a>	1	\$35
Front Dash	35 Surface Mount LEDs	AMS,IMD,GLV,HV,AIRS,FAULT,SAFE indicators	<a href="https://www.mouser.com/ProductDetail/ROHM">https://www.mouser.com/ProductDetail/ROHM</a>	49	\$15.45
Front Dash	7 LED Controllers	For 7 LEDs	<a href="https://www.digikey.com/en/products/detail/diodes-incorporated/AL5809-2">https://www.digikey.com/en/products/detail/diodes-incorporated/AL5809-2</a>		\$7.63
Front Dash	Voltage Reg	For stepdown of 24V to 5V for display power	<a href="https://www.digikey.com/en/products/detail/cu">https://www.digikey.com/en/products/detail/cu</a>	1	\$9.31
Front Dash	PCB	Hold all LEDs and connector to CarMan	Will be ordered	1	
Front Dash	Base Enclosure	House the Front Dash	Machine Shop	1	\$0?
Front Dash	Plexi Front	Display LEDs, act as front of enclosure	Leopard Works	2 (Opaque, Transparent)	\$0?
Front Dash	PCB Header	Mount to PCB for wires	<a href="https://www.molex.com/molex/products/part-detail/pcb_headers/0534260">https://www.molex.com/molex/products/part-detail/pcb_headers/0534260</a>		\$0.67
Front Dash	PCB Crimp Housing	Connect Wires then to PCB	<a href="https://www.molex.com/molex/products/part-detail/crimp_housings/05116">https://www.molex.com/molex/products/part-detail/crimp_housings/05116</a>		\$0.44
Front Dash	PCB VR Header	Mount to PCB for Voltage Regulator Wires	<a href="https://www.molex.com/molex/products/part-detail/pcb_headers/0534260">https://www.molex.com/molex/products/part-detail/pcb_headers/0534260</a>		\$0.55
Front Dash	PCB VR Crimp Housing	Connect Wires to Voltage Regulator	<a href="https://www.molex.com/molex/products/part-detail/crimp_housings/05116">https://www.molex.com/molex/products/part-detail/crimp_housings/05116</a>		\$0.29
Connector	RJ45 Ethernet	Send and recieve data from SCADA		1	
Button Array	2 Buttons	For Drive and Reset Buttons & LEDs	<a href="https://www.mouser.com/ProductDetail/ROHM">Green Reset Button (Mouser) https://www.mouser.com/ProductDetail/ROHM</a>	2	\$40ish
Button Array	Side Mounted Relay w/ Diode	For CP Button	<a href="https://www.digikey.com/en/products/detail/cit">https://www.digikey.com/en/products/detail/cit</a>	1	
Button Array	Enclosure	House the Button Array	Machine Shop	1	\$0?
Button Array	Speaker	Ready to Drive Sound			
Button Array & Side Panels	BRB (E-Stop)	Emergency Stop button		3	
Right & Left Side Panels	Metal Triangle (Mounting Plate)	Hold all buttons & lights	Machine Shop	1	\$0?
Right & Left Side Panels	SSOK Wire Grommet	protect SSOK wires from damage due to friction with the panels	<a href="https://www.mcmaster.com/9600K13/">https://www.mcmaster.com/9600K13/</a>	2	\$5
Right Side Panel	GLV MS	Master switch for GLV	Lab	1	
Right Side Panel	IMD & AMS Reset (Master Reset)	Reset for the safety loop	Lab	1	
Right Side Panel	TSV MS	Master switch for TSV	Lab	1	
Right Side Panel	MRESET Relay	Relay for holding the reset signal in a certain state	<a href="https://www.digikey.com/en/products/detail/cit">https://www.digikey.com/en/products/detail/cit</a>	1	\$2
Right & Left Side Panels	SSOK (Safety System OK) Light		Lab	2	
External Light	TSAL (Tractive System Active Light)	Demonstrates when TSV is on		1	
External Light	Brake Lights	When Press on Brake Brake Light go on			