Table of Contents

2	CT	N/22L	H753
∠ ,) 31	ıvıo∠r	7/33

- 3) ST Micro STM32H753IIT6 (1)
- 4) ST Micro STM32H753IIT6 (1)
- 5) Infineon FM25V02A FRAM (2)
- 6) InvenSense ICM-42605 IMU (3)
- 7) InvenSense ICM-20602 IMU (4)
- 8) BOSCH BMI088 IMU (5)
- 9) Bosch BMM150 Magnetometer (6)
- 10) BMP388 & MS5611 Barometer (7)
- 11) Discrete RGB LED (16)
- 12) 3.3V 1500mA Buck
- 13) USB Type-C PD (5V)
- 14) 7-Port USB Client Hub
- 15) USB to UART
- 16) USB to UART
- 17) Raspberry Pi CM4
- 18) Raspberry Pi CM4
- 19) HART-HART Bridge
- 20) Octal Servo
- 21) RPi CSI Vertical Connector
- 22) RPi CSI Vertical Connector
- 23) JST GH 6-pin (GPS) Header
- 24) JST GH 6-pin (Power) Header

RPi CM4 + Pixhawk FMUv6U

	<u> </u>	ļ t	l G		<u> </u>		_
REV	DESCRIPTION				DATE	ENG	
1	Initial design - https://geppetto.gumstix.com/#!/design/8869/					ACS	
2	Fixed USB-UART power supply and debug mux. Populated the BMP388 chip. Set up BMM150 for I2C. Added orientation arrow.				2020-11-30	ACS	15
3	Fix USB polarity to Coral and add PCIe connections.				2021-01-12	ACS	-
4	Add PCIe->	USB3 and interface to Coral. Change to 7-	port hub to allow flashing of CM4.		2021-04-01	ACS	
							L

- 25) TI TPS2121 Power Source Muxer
- 26) JST GH 4-pin (CAN) Header
- 27) JST GH 5-pin (RC) Header
- 28) Google Coral G313-06329-00 Accelerator
- 29) NXP TJA1051TK/3 CAN Transceiver
- 30) Pushbutton
- 31) SD Card
- 32) PCIe to USB3.0

gumstix grean, design, deliver Title: RPi CM4 + Pixhawk FMUv6
Board: 90000001531

5/26/21 8:18 PM Sheet: 1/32

Sheet: 1/32





























































