

Existing Backplane				
LASS Name	Bus Name			Bus Name
	5V	1	2	3.3V
	5V	3	4	3.3V
	12V_INSTR	5	6	GND
	12V_INSTR	7	8	GND
	12V_INSTR	9	10	GND
	24V_INSTR	11	12	GND
	24V_INSTR	13	14	GND
	24V_INSTR	15	16	GND
	24V_INSTR	17	18	GND
	[unassigned]	19	20	GND
	[unassigned]	21	22	GND
	[unassigned]	23	24	GND
	[unassigned]	25	26	GND
	[unassigned]	27	28	GND
	[unassigned]	29	30	GND
	[unassigned]	31	32	GND
LCAM_RELAY_CTRL	GPIO0	33	34	GND
RCAM_RELAY_CTRL	GPIO1	35	36	GND
ROT1_RELAY_CTRL	GPIO2	37	38	GND
ROT2_RELAY_CTRL	GPIO3	39	40	GND
CTD_RELAY_CTRL	GPIO4	41	42	GND
PARO_RELAY_CTRL	GPIO5	43	44	GND
KEAR_RELAY_CTRL	GPIO6	45	46	GND
VN100_RELAY_CTRL	GPIO7	47	48	GND
STROBE1_RELAY_CTRL	GPIO8	49	50	GND
STROBE2_RELAY_CTRL	GPIO9	51	52	GND
RESON_RELAY_CTRL	GPIO10	53	54	GND
NORBIT_RELAY_CTRL	GPIO11	55	56	GND
LIDAR_RELAY_CTRL	GPIO12	57	58	GND
CB_ENVR_CS	GPIO13	59	60	GND
CB_EEPROM_CS	GPIO14	61	62	GND
CB_USB_DET	GPIO15	63	64	GND

Proposed Additional Backplane					
LASS Name	Bus Name			Bus Name	LASS Name
	5V	1	2	3.3V	
	5V	3	4	3.3V	
	VPoE	5	6	GND	
	VPoE	7	8	GND	
	12V_SYS	9	10	GPIO34	CB_I2C_SDA
	12V_SYS	11	12	GPIO35	CB_I2C_SCL
	24V_SYS	13	14	GPIO36	UART1_TX
	24V_SYS	15	16	GPIO37	UART1_RX
	GND	17	18	GPIO38	[open GPIO]
	GND	19	20	GPIO39	[open GPIO]
[open GPIO]	GPIO22	21	22	GPIO40/ADC0	[open GPIO]
[open GPIO]	GPIO23	23	24	GPIO41_ADC1	[open GPIO]
CB_SPI1_MISO	GPIO24	25	26	GPIO42_ADC2	[open GPIO]
CB_HEARTBEAT	GPIO25	27	28	GPIO43_ADC3	[open GPIO]
CB_SPI1_SCK	GPIO26	29	30	GPIO44_ADC4	[open GPIO]
CB_SPI1_MOSI	GPIO27	31	32	GPIO45_ADC5	[open GPIO]
UART0_TX	GPIO28	33	34	GPIO46_ADC6	[open GPIO]
UART0_RX	GPIO29	35	36	GPIO47_ADC7	[open GPIO]
PB_ADC_MON1_CS	GPIO30	37	38	[unassigned]	
PB_ADC_MON2_CS	GPIO31	39	40	[unassigned]	
LB_USB_DET	GPIO32	41	42	[unassigned]	
LB_HEARTBEAT	GPIO33	43	44	[unassigned]	