		H	Harness	1 - MPI 12V Power]			
OBC - J4	\neg	4x		200.0 mm		EPS -	J10 VD3	3 OBC[0]
Picoblade 4-p	oin	OBC - J4:1:12V_MPI	1:VT	EPS - J10 VD3_OBC[0]:4:VD3_OBC(0)		Micr	olock	4-pin
12V_MPI	1	OBC - J4:2:12V_MPI	2:BK	EPS - J10 VD3_OBC[0]:3:VD3_OBC(0)		4		OBC(0)
12V_MPI GND	3	OBC - J4:3:GND	3:OG	EPS - J10 VD3_OBC[0]:2:GND		3		OBC(0)
2112	4	OBC - J4:4:GND	4:YE	EPS - J10 VD3_OBC[0]:1:GND		1		ND

<u> </u>	00 10		Boom	Burnwire Power			
Burnwire P			5>			/D3_OBC[1]	
6-pir	1 1	Burnwire PCB - J2:1:VDC	1	VD3 OBC[1]:1:VD3 OBC(1)			8-pin
VDC	2	Burnwire PCB - J2:2:VDC	2	VD3_OBC[1]:2:VD3_OBC(1)		1	VD3_OBC(1)
VDC	3	Burnwire PCB - J2:4:GND	3	VD3_OBC[1]:3:GND		2	VD3_OBC(1) GND
GND	4	Burnwire PCB - J2:5:GND	4	VD3_OBC[1]:5:GND		4	GND
GND	5 6	Burnwire PCB - J2:6:GND	5	VD3_OBC[1]:7:GND		5	GND
CIAB						6	I2C_SCL
						7	GND
					Į	8	I2C_SDA

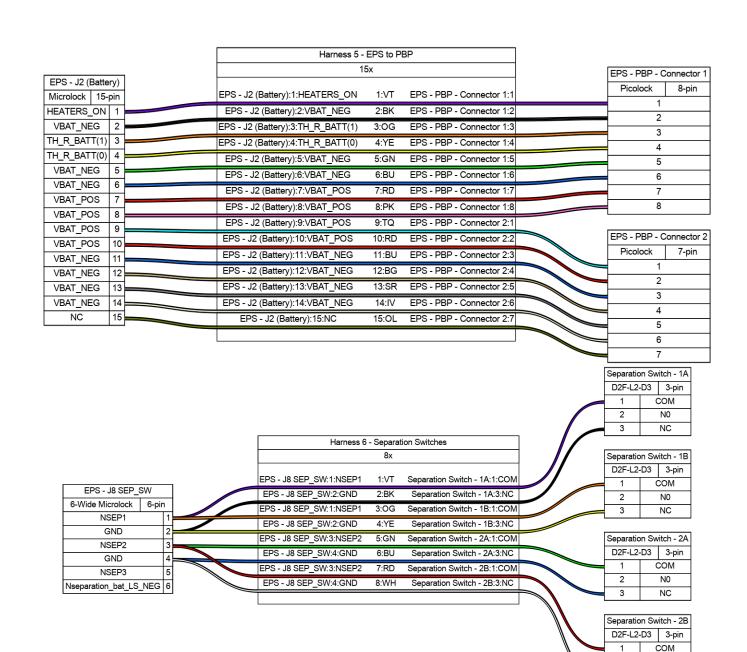
	Harness 3 -]			
OBC - J8			4x		Burnwire PCB - J1
Picoblade 4-pin	OBC - J8:1:BOOM_CTRL_1	1	Burnwire PCB - J1:3:BOOM_CTRL_1		4-pin
BOOM_CTRL_1 1 GND 2	OBC - J8:2:GND	2	Burnwire PCB - J1:1:GND		1 GND 2 GND
BOOM CTRL 2 3	OBC - J8:3:BOOM_CTRL_2	3	Burnwire PCB - J1:4:BOOM_CTRL_2		3 BOOM CTRL 1
GND 4	OBC - J8:4:GND	4	Burnwire PCB - J1:2:GND		4 BOOM CTRL 2

COTS Solar Panel PWR-1	Harness 4 - COTS	Sola	ar Panel PWR	
Picoblade 2-pin	4	x		ı
V+ (Solar Cell P junction) 1 V- (GND) 2	COTS Solar Panel PWR-1:1:V+ (Solar Cell P junction)	1	EPS - J11_CH0, J11_CH1, J11_CH2, J303:2:SP+	Ĺ
	COTS Solar Panel PWR-1:2:V- (GND)	2	EPS - J11_CH0, J11_CH1, J11_CH2, J303:3:GND	Γ
COTS Solar Panel PWR-2	COTS Solar Panel PWR-2:1:V+ (Solar Cell P junction)	3	EPS - J11_CH0, J11_CH1, J11_CH2, J303:6:SP+	Ε
Picoblade 2-pin	COTS Solar Panel PWR-2:2:V- (GND)	4	EPS - J11_CH0, J11_CH1, J11_CH2, J303:7:GND	Γ
V+ (Solar Cell P junction) 1				Ē
V- (GND) 2				

EPS - J11_CH0, J1	1_CH1, J11_CH2, J303
Picolock	8-pin
1	SP+
2	SP+
3	GND
4	GND
5	SP+
6	SP+
7	GND
8	GND

2

N0 NC

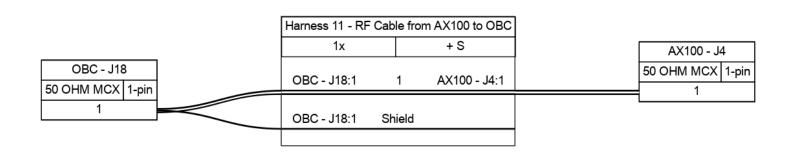


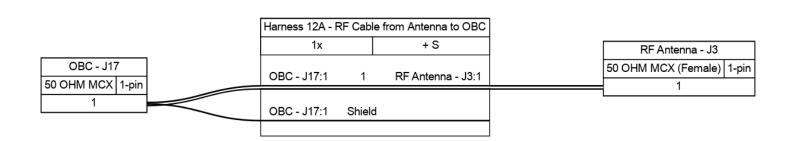
		Harnes	Harness 7 - GNSS Connector						
OBC - J3				8x		Г	SNSS via DI	MC3 P	
Picoblade 8-p	oin	OBC - J3:1:NC	1	GNSS via DMC3 P1:1:NC		L	Picoblade	8-pin	
NC	1	OBC - J3:2:NC	2	GNSS via DMC3 P1:2:NC		=1	NC		
NC	2	OBC - J3:3:MOSI_USART3_TX	3	GNSS via DMC3 P1:4:UART1 TX (MOSI)		= 2	NC		
MOSI_USART3_T	-	OBC - J3:4:MISO_USART3_RX	4	GNSS via DMC3 P1:3:UART1 RX (MISO)		= 3	UART1 RX	`	
MISO_USART3_R	+-	OBC - J3:5:NC	5	GNSS via DMC3 P1:5:AUX 1		<u> </u>	UART1 TX	`	
NC NC	5 6	OBC - J3:6:NC	6	GNSS via DMC3 P1:6:AUX 2		7.5	AUX		
GPS PPS	7	OBC - J3:7:GPS_PPS	7	GNSS via DMC3 P1:7:AUX 3 (PPS)		<u> </u>	AUX 3 (
NC	8	OBC - J3:8:NC	8	GNSS via DMC3 P1:8:AUX 4		<u>'</u> 8	AUX	` '	

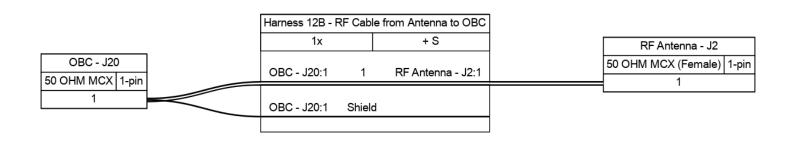
		Harness	8 - MPI (Connector			
OBC - J10			10x			MPI	Connector
Picoblade 10		OBC - J10:1:12V MPI 1:VT MPI Connector:10:12V MPI			Header 10-pin		
12V_MPI	1	OBC - J10:2:12V_MPI	2:BK	MPI Connector:9:12V_MPI		10	12V_MPI
12V_MPI	2	OBC - J10:3:GND	3:OG	MPI Connector:8:GND		9	12V_MPI
GND	3	OBC - J10:4:5V	4:YE	MPI Connector:7:5V		8	GND
5V	4	OBC - J10:5:GND	5:GN	MPI Connector:6:GND		7	5V
GND	5					6	GND
MOSI_TX_P	6	OBC - J10:6:MOSI_TX_P	6:BU	MPI Connector:3:RI		5	DO
MOSI_TX_N		OBC - J10:7:MOSI_TX_N	7:RD	MPI Connector:2:RI*		4	DO*
MISO_RX_P		OBC - J10:8:MISO_RX_P	8:PK	MPI Connector:5:DO		3	RI
MISO_RX_N	9	OBC - J10:9:MISO_RX_N	9:TQ	MPI Connector:4:DO*		2	RI*
NC	10		10:RD			1	NC

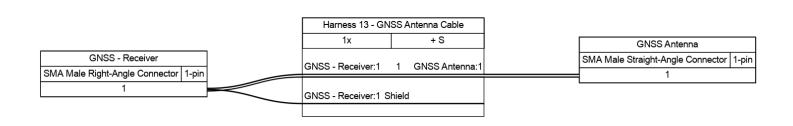
		Harness 9 - 0	Camera Conne	ector		
OBC - J7]	6x	25	0.0 mm		Camera
Picoblade 6-pin		OBC - J7:1:3V3_CAM	1:VT	Camera:1:VDD	Picob	lade 6-pin
3V3_CAM 1		OBC - J7:2:CAM_EN	2:BK	Camera:2:ON	1	VDD
CAM_EN 2		OBC - J7:3:MOSI_UART4_	TX 3:OG	Camera:3:RXD	3	ON RXD
MOSI_UART4_TX 3		OBC - J7:4:MISO_UART4_F	RX 4:YE	Camera:4:TXD	4	TXD
NC 5		OBC - J7:5:NC	5:GN	Camera:5:FLASH	5	FLASH
GND 6		OBC - J7:6:GND	6:BU	Camera:6:GND	6	GND

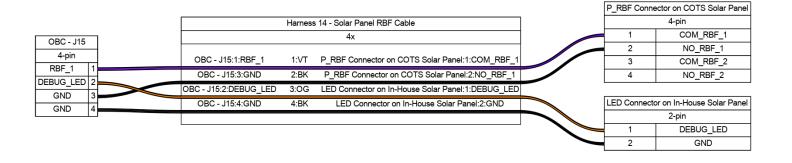
			Harness 10 - Ante	enna Deployme	ent Connector		
OBC - J13		9x	9x 250.0 mm		UHF	Antenna	
Picoblade	10-pi	n	OBC - J13:1:3V3_ANT_DEPL	OY 1:VT	UHF Antenna:1:VCC		28000-009 9-pin
3V3_ANT_DE	PLOY	1	OBC - J13:2:12C2_SDA	2:BK	UHF Antenna:2:SDA_A	1	VCC
12C2_SD	Α	2	OBC - J13:3:GND	3:OG	UHF Antenna:3:GND	2	SDA_A
GND		3	OBC - J13:4:12C3 SDA	4:YE	UHF Antenna:4:SDA B	3	GND
12C3_SD	Α	4	OBC - J13:5:GND	5:GN	UHF Antenna:5:GND	4	SDA_B
GND		5	OBC - J13:6:3V3 ANT DEPL		UHF Antenna:6:VCC	5	GND
3V3_ANT_DE	PLOY	6				6	VCC
12C2_SC	L	7	OBC - J13:7:12C2_SCL	7:RD	UHF Antenna:7:SCL_A	7	SCL_A
12C3_SC	:L	8	OBC - J13:8:12C3_SCL	8:PK	UHF Antenna:8:SCL_B	8	SCL_B
GND		9	OBC - J13:9:GND	9:TQ	UHF Antenna:9:GND	9	GND
NC		10					

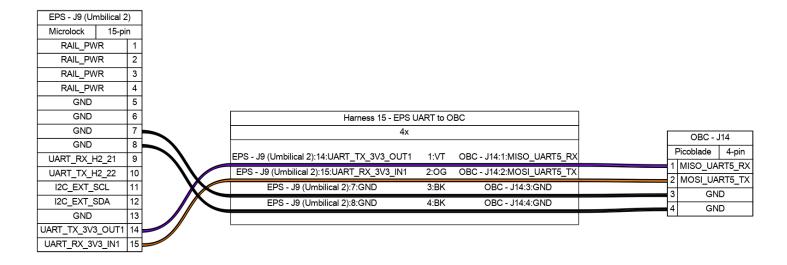


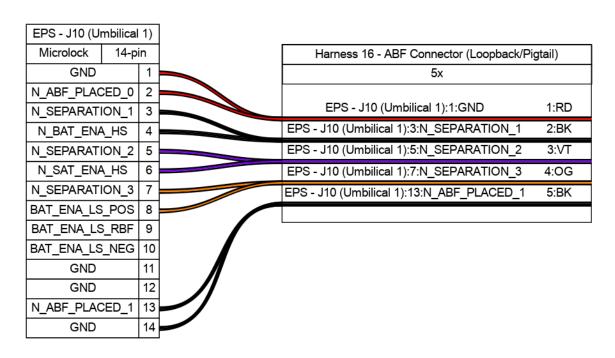


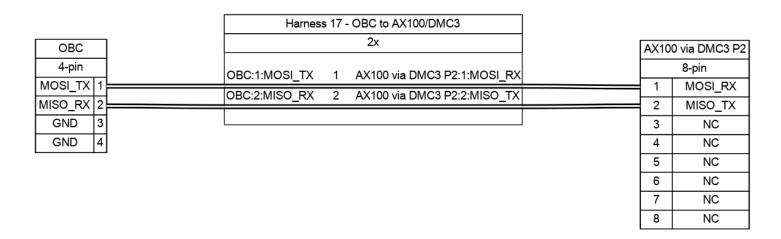












OBC - J12						
Picoblade 10-pi	in	Harness 51 -				
V BAT	1	5x			Tu:	SB-to-UART
GND	2	OBC - J12:3:MISO_LPUART1_RX	1	USB-to-UART:1:MOSI_TX		5-pin
MISO_LPUART1_RX	-	OBC - J12:4:MOSI_LPUART_TX	2	USB-to-UART:2:MISO_RX	1	MOSI_TX
MOSI_LPUART_TX	4	OBC - J12:5:GND	3	USB-to-UART:3:GND	12	MISO_RX
GND 3V3	5 6	OBC - J12:6:3V3	4	USB-to-UART:4:5V	3	GND 5V
5V	7	OBC - J12:7:5V	5	USB-to-UART:5:3V3	5	3V3
GND	8				_	
GND	9					
GND	10					

