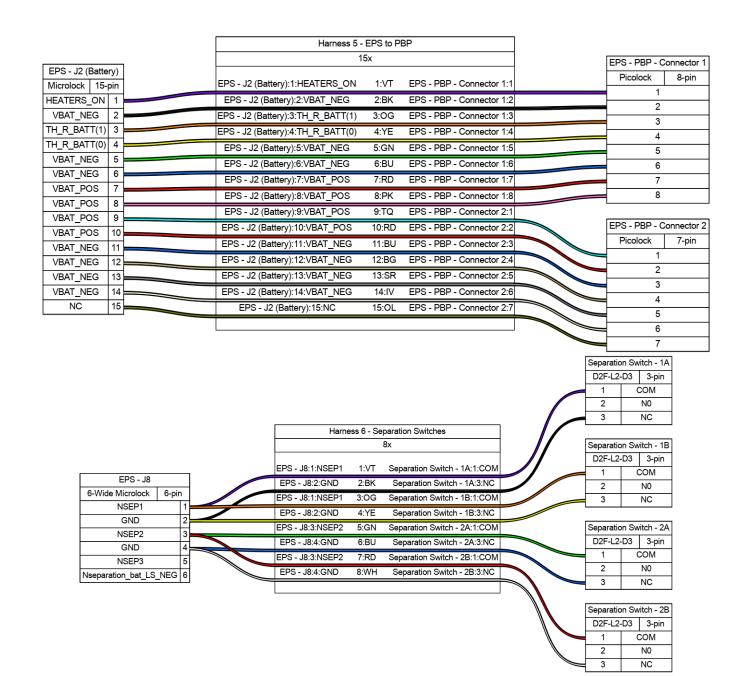
			I	Harness	1 - MPI 12V Power			
OBC - J4			4x		200.0 mm	EPS -	J10 VD3	3 OBC[0]
Picoblade 4	-pin		OBC - J4:1:12V_MPI	1:VT	EPS - J10 VD3_OBC[0]:4:VD3_OBC(0)		olock	4-pin
12V_MPI	1		OBC - J4:2:12V_MPI	2:BK	EPS - J10 VD3_OBC[0]:3:VD3_OBC(0)	4		OBC(0)
12V_MPI GND	4		OBC - J4:3:GND	3:OG	EPS - J10 VD3_OBC[0]:2:GND	2		OBC(0)
GND	4		OBC - J4:4:GND	4:YE	EPS - J10 VD3_OBC[0]:1:GND	1		ND
		·				لــــٰـــا		

[D		Harness 2 - Boom Burnwire Power		
Burnwire PCB - J2		5x	Г	EPS - J7
6-pir	۱ 		⊢	8-pin
VDC	1	Burnwire PCB - J2:1:VDC	┝	VD3_OBC(1)
VDC	2	Burnwire PCB - J2:2:VDC 2 EPS - J7:2:VD3_OBC(1)	╠	VD3_OBC(1)
VDC	3	Burnwire PCB - J2:4:GND 3 EPS - J7:3:GND	ځ	GND
GND	4	Burnwire PCB - J2:5:GND 4 EPS - J7:5:GND	۲	
GND	5	Burnwire PCB - J2:6:GND 5 EPS - J7:7:GND	4	GND
GND	6	Editivite 1 GB - 02.0.CIAB 0 E1 G - 01.17.CIAB	٦	GND
			6	I2C_SCL
			17	GND
			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	S Sol	ar Panel PWR
Picoblade 2-pin	4	4x	
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+
	COTS Solar Panel PWR-1:2:V- (GND)	2	EPS - J11_CH0, J11_CH1, J11_CH2, J303:3:GNE
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+
Picoblade 2-pin	COTS Solar Panel PWR-2:2:V- (GND)	4	EPS - J11_CH0, J11_CH1, J11_CH2, J303:7:GNE
V+ (Solar Cell P junction) 1			
V- (GND) 2			

EDC 144 CUO 14	1 0114 144 0110 1303						
EPS - J11_CH0, J11_CH1, J11_CH2, J30							
Picolock	8-pin						
1	SP+						
2	SP+						
3	GND						
4	GND						
5	SP+						
6	SP+						
7	GND						
8	GND						

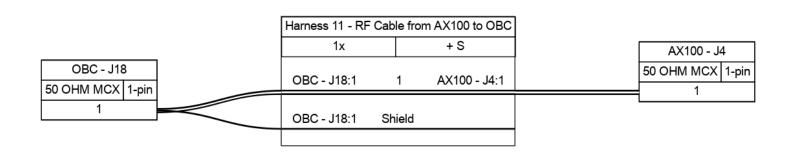


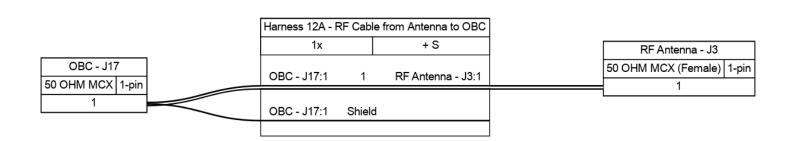
		Harnes]					
OBC - J3				8x		Г	SNSS via DI	MC3 P
Picoblade 8-p	oin	OBC - J3:1:NC	1	GNSS via DMC3 P1:1:NC		L	Picoblade	8-pin
NC	1	OBC - J3:2:NC	2	GNSS via DMC3 P1:2:NC		=1	NC	
NC	2	OBC - J3:3:MOSI_USART3_TX	3	GNSS via DMC3 P1:4:UART1 TX (MOSI)		= 2	NC	
MOSI_USART3_T	—	OBC - J3:4:MISO_USART3_RX	4	GNSS 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		ڄڙ	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	` '

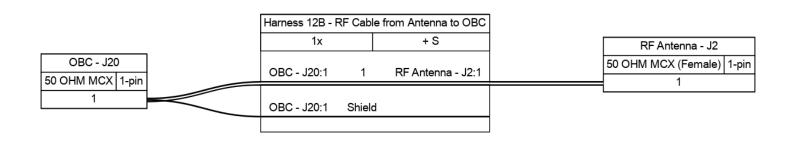
		Harness	8 - MPI (Connector		
OBC - J10			10x		MPI	Connector
Picoblade 10		OBC - J10:1:12V_MPI	1:VT	MPI Connector:10:12V_MPI		Header 10-pin
12V_MPI	1	OBC - J10:2:12V_MPI	2:BK	MPI Connector:9:12V_MPI	10	12V_MPI
12V_MPI	2	OBC - J10:3:GND	3:OG	MPI Connector:8:GND	9	12V_MPI
GND	3	OBC - J10:4:5V	4:YE	MPI Connector:7:5V	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 NC	10		10:RD		1	NC

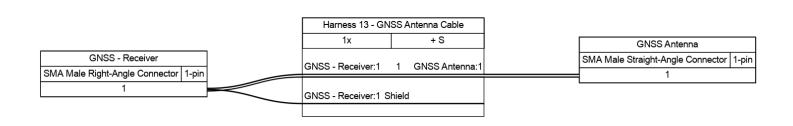
		Harness 9 - 0	Camera Conne			
OBC - J7		6x	25	0.0 mm		Camera
Picoblade 6-pin		OBC - J7:1:3V3_CAM	1:VT	Camera:1:VDD	Picob	lade 6-pin
3V3_CAM 1		OBC - J7:2:CAM_EN	2:BK	Camera:2:ON	1	VDD
CAM_EN 2		OBC - J7:3:MOSI_UART4_	TX 3:OG	Camera:3:RXD	3	ON RXD
MOSI_UART4_TX 3		OBC - J7:4:MISO_UART4_F	RX 4:YE	Camera:4:TXD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

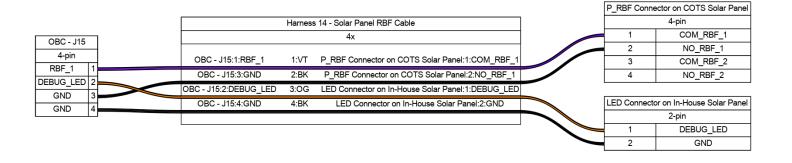
			Harness 10 - Ante				
OBC - J13		9x		250.0 mm	UHF	Antenna	
Picoblade	10-pi	n	OBC - J13:1:3V3_ANT_DEPL	OY 1:VT	UHF Antenna:1:VCC		28000-009 9-pin
3V3_ANT_DE	PLOY	1	OBC - J13:2:12C2_SDA	2:BK	UHF Antenna:2:SDA_A	1	VCC
12C2_SD	Α	2	OBC - J13:3:GND	3:OG	UHF Antenna:3:GND	2	SDA_A
GND		3	OBC - J13:4:12C3 SDA	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	GND 9 OBC - J13:9:GND		9:TQ	UHF Antenna:9:GND	9	GND	
NC		10					

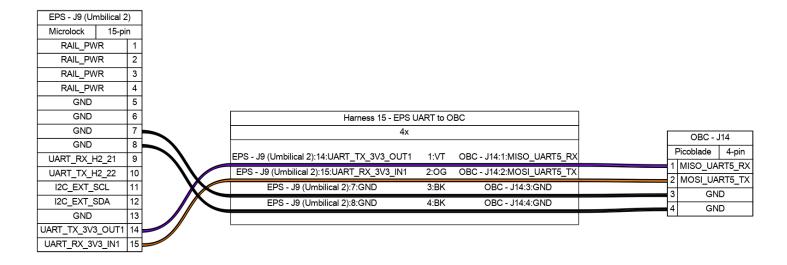


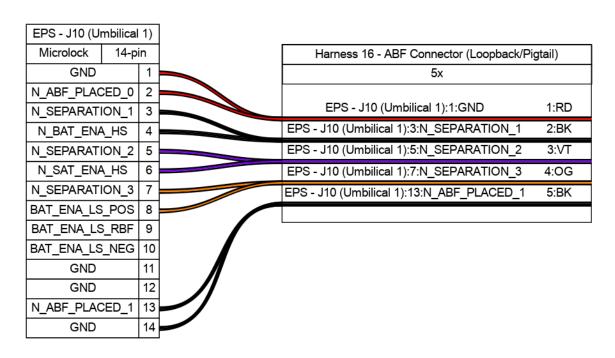


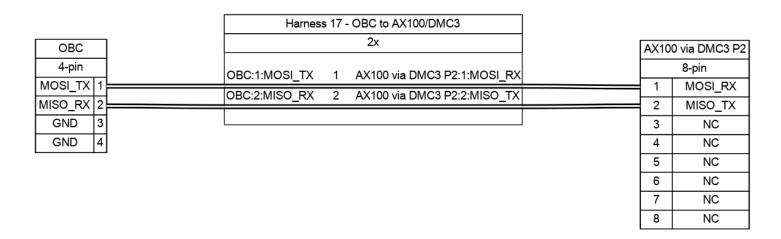












OBC - J12						
Picoblade 10-pi	in	Harness 51 -				
V BAT	1	5x			Tu:	SB-to-UART
GND	2	OBC - J12:3:MISO_LPUART1_RX	1	USB-to-UART:1:MOSI_TX		5-pin
MISO_LPUART1_RX	-	OBC - J12:4:MOSI_LPUART_TX	2	USB-to-UART:2:MISO_RX	1	MOSI_TX
MOSI_LPUART_TX	4	OBC - J12:5:GND	3	USB-to-UART:3:GND	12	MISO_RX
GND 3V3	5 6	OBC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

