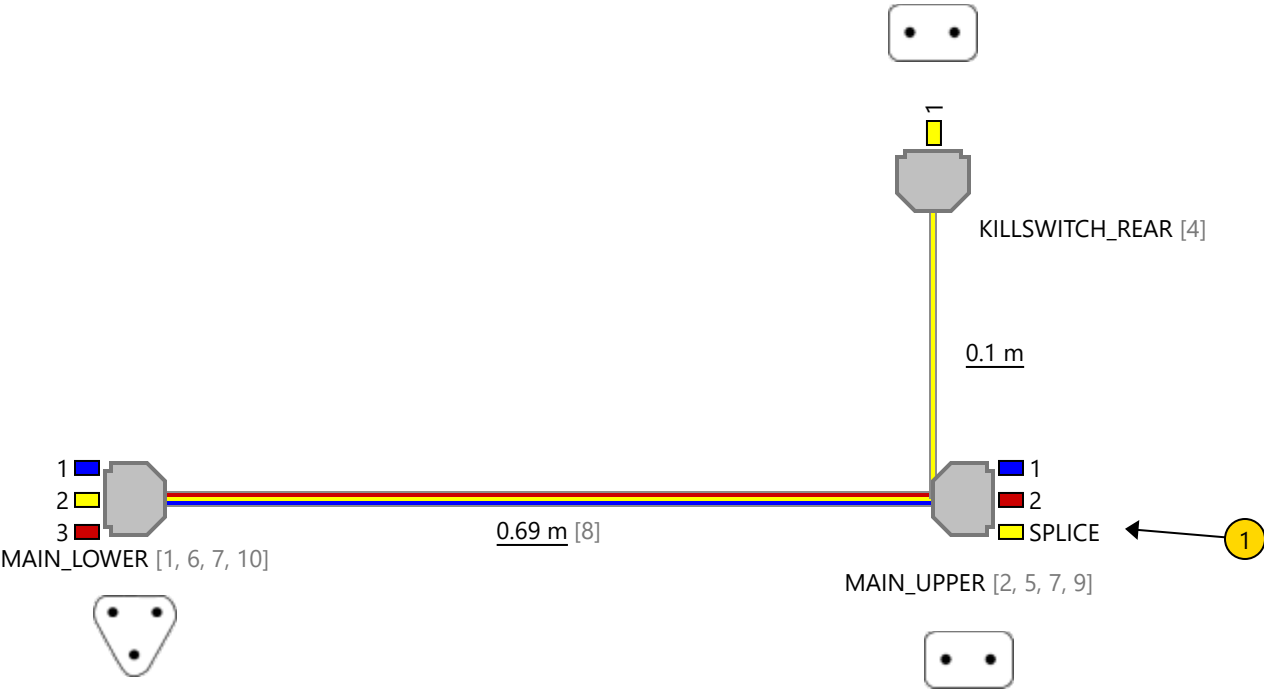



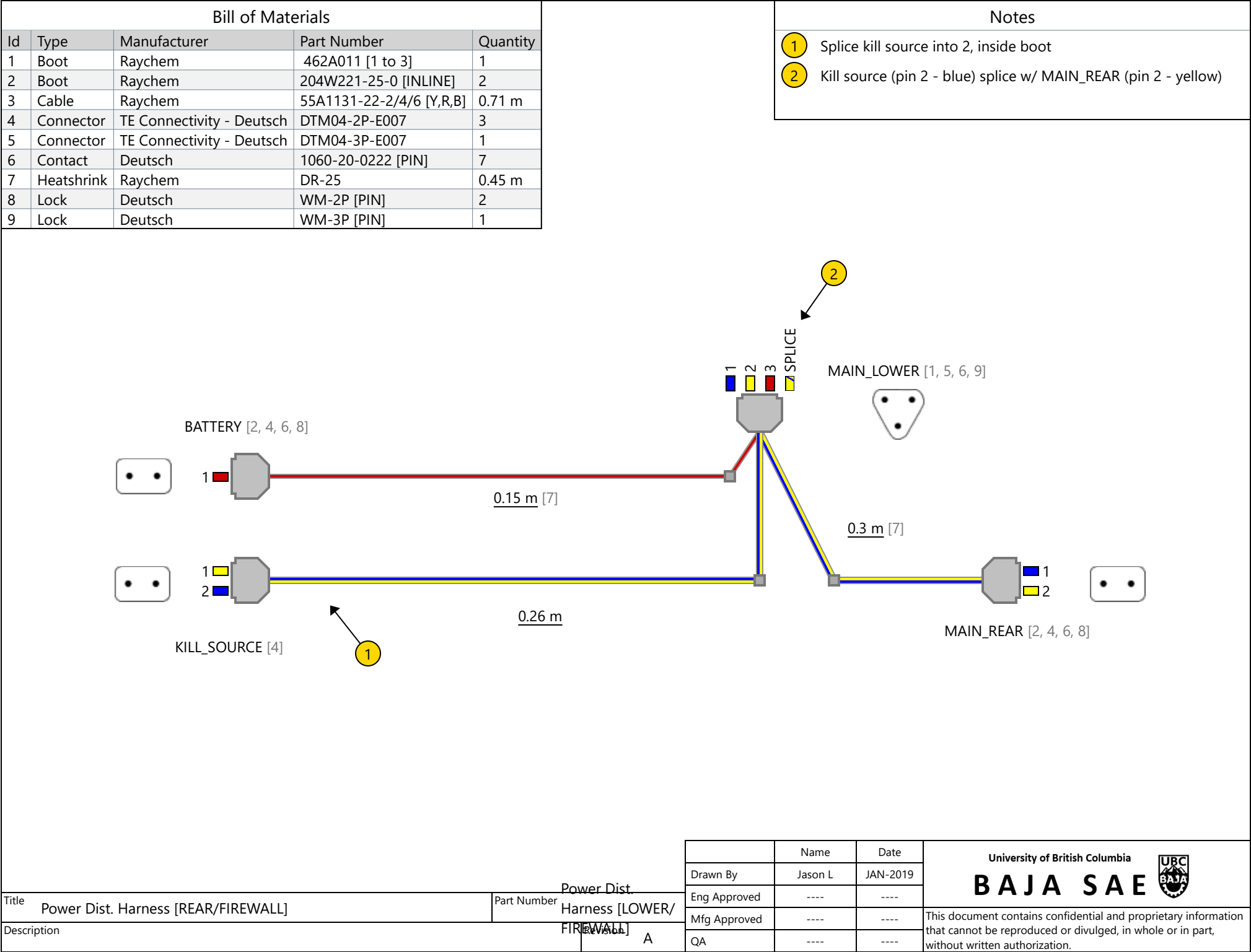
Title			BAJA 2019 Wiring Harness Assembly		Part Number		Power Dist. Harness Assembly		Eng Approved		----		----		<div>BAJA 2019</div> <div>This document contains confidential and proprietary information that cannot be reproduced or divulged, in whole or in part, without written authorization.</div>	
Description			Assembly of individual harnesses for 2019 BAJA Vehicle				Revision		A		Mfg Approved		----			
											QA		----			

Bill of Materials				
Id	Type	Manufacturer	Part Number	Quantity
1	Boot	Raychem	204W201 [1 to 1]	1
2	Boot	Raychem	301A012 ["Y"]	1
3	Cable	Raychem	55A1131-22-2/4/6 [Y,R,B]	0.79 m
4	Connector	TE Connectivity - Deutsch	DTM04-2P-E007	1
5	Connector	TE Connectivity - Deutsch	DTM06-2S-E007	1
6	Connector	TE Connectivity - Deutsch	DTM06-3S-E007	1
7	Contact	DEUTSCH	1062-20-0222 [SOCKET]	5
8	Heatshrink	Raychem	DR-25	0.69 m
9	Lock	Deutsch	WM-2S [SOCKET]	1
10	Lock	Deutsch	WM-3P [PIN]	1

Notes	
1	Splice, inside boot, bypasses connector



<div>Power Dist. Harness [UPPER/ ROB BAR] Revision</div>				Name	Date	<div>University of British Columbia BAJA SAE</div> <div></div> <div>This document contains confidential and proprietary information that cannot be reproduced or divulged, in whole or in part, without written authorization.</div>
			Drawn By	----	----	
			Eng Approved	----	----	
			Mfg Approved	----	----	
			QA	----	----	
Title	----	Part Number				
Description						



The diagram illustrates the wiring for a Power Distribution Harness [LOWER/FIREWALL]. It features a central connector with three pins: Pin 1 (blue), Pin 2 (yellow), and Pin 3 (red). A 'SPLICE' point is indicated near Pin 2. The harness connects to three main components: BATTERY [2, 4, 6, 8], KILL_SOURCE [4], and MAIN_REAR [2, 4, 6, 8]. The BATTERY connection is a red wire (Pin 3) with a length of 0.15 m [7]. The KILL_SOURCE connection is a blue wire (Pin 1) with a length of 0.26 m. The MAIN_REAR connection is a yellow wire (Pin 2) with a length of 0.3 m [7]. A yellow circle with the number 1 points to the splice point between the KILL_SOURCE and MAIN_REAR wires. A yellow circle with the number 2 points to the splice point between the BATTERY and MAIN_REAR wires. The diagram also shows a connector for MAIN_LOWER [1, 5, 6, 9] and a connector for MAIN_REAR [2, 4, 6, 8].

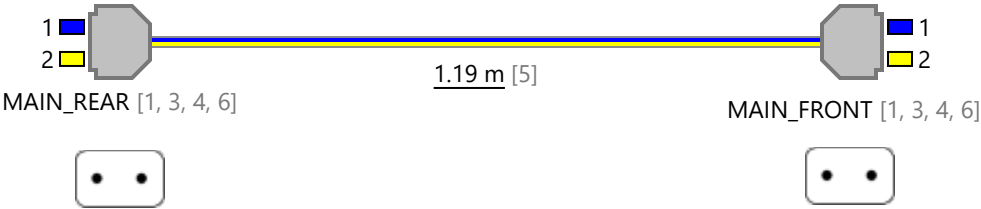
Title		Part Number		Name		Date	
Power Dist. Harness [REAR/FIREWALL]		Power Dist. Harness [LOWER/FIREWALL]		Jason L		JAN-2019	
Description		Revision A		Eng Approved		----	
				Mfg Approved		----	
				QA		----	


University of British Columbia

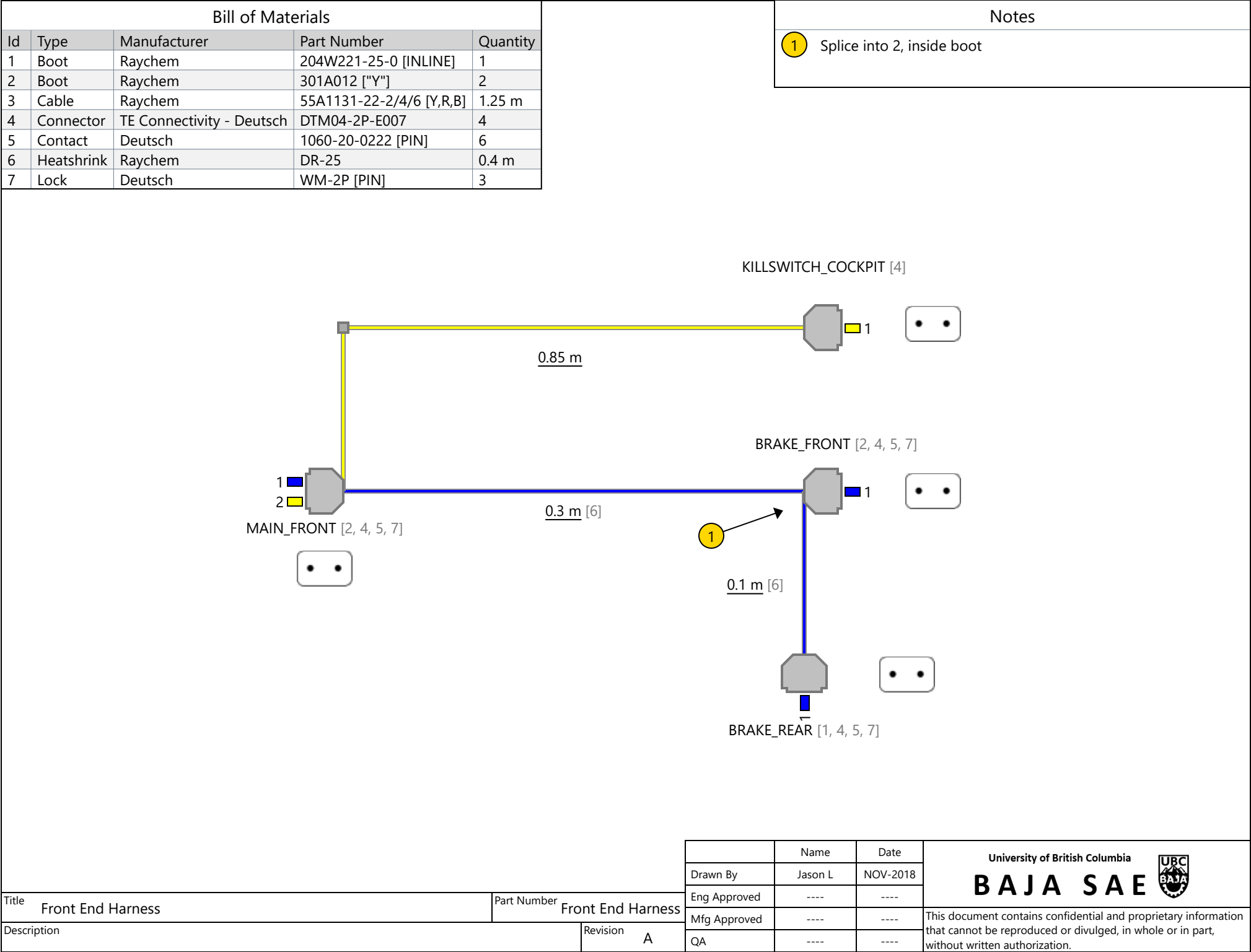
BAJA SAE

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Bill of Materials				
Id	Type	Manufacturer	Part Number	Quantity
1	Boot	Raychem	204W221-25-0 [INLINE]	2
2	Cable	Raychem	55A1131-22-2/4/6 [Y,R,B]	1.19 m
3	Connector	TE Connectivity - Deutsch	DTM06-2S-E007	2
4	Contact	DEUTSCH	1062-20-0222 [SOCKET]	4
5	Heatshrink	Raychem	DR-25	1.19 m
6	Lock	Deutsch	WM-2S [SOCKET]	2



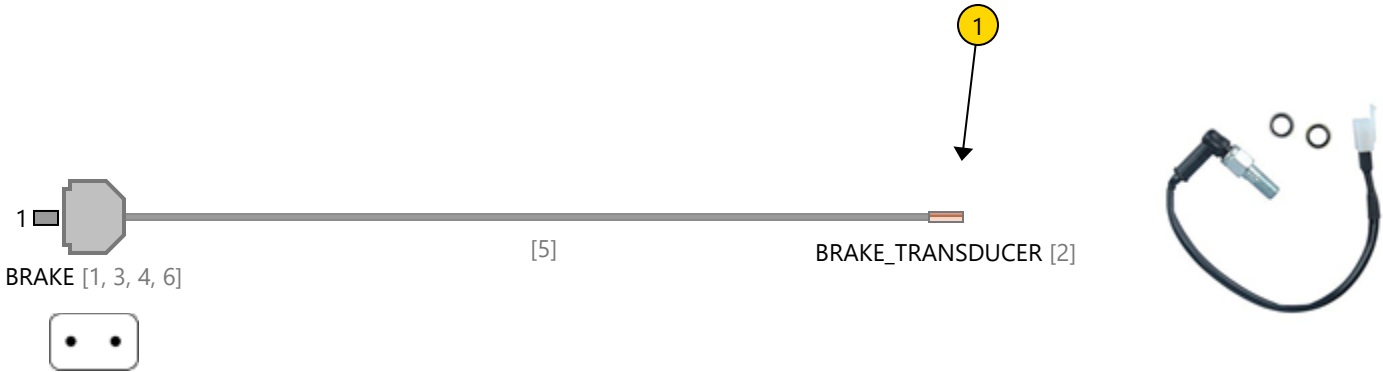
<div>Title</div> <div>Power Dist. Harness [FRONT/COCKPIT]</div> <div>Description</div>		<div>Part Number</div> <div>Power Dist. Harness [FRONT/COCKPIT]</div> <div>Version</div> <div>A</div>	<div>Drawn By</div> <div>Jason L</div> <div>Eng Approved</div> <div>----</div> <div>Mfg Approved</div> <div>----</div> <div>QA</div> <div>----</div>	<div>Date</div> <div>NOV-2018</div> <div>----</div> <div>----</div> <div>----</div>	<div> <div>University of British Columbia</div> <div>BAJA SAE</div> <div>  </div> </div> <div>This document contains confidential and proprietary information that cannot be reproduced or divulged, in whole or in part, without written authorization.</div>




Bill of Materials				
Id	Type	Manufacturer	Part Number	Quantity
1	Boot	Raychem	204W221-25-0 [INLINE]	1
2	Brake Pressure Switch	Generic	Brake Pressure Switch	1
3	Connector	TE Connectivity - Deutsch	DTM06-2S-E007	1
4	Contact	DEUTSCH	1062-20-0222 [SOCKET]	2
5	Heatshrink	Raychem	DR-25	
6	Lock	Deutsch	WM-2S [SOCKET]	1
7	Wire	N/A	Placeholder [DO NOT PURCHASE]	

1

Splice into sensor



					Name	Date	University of British Columbia BAJA SAE 
				Drawn By	Jason L	NOV-2018	
				Eng Approved	----	----	
				Mfg Approved	----	----	
Title		Brake Transducer Harness		Part Number	Brake Transducer Harness		This document contains confidential and proprietary information that cannot be reproduced or divulged, in whole or in part, without written authorization.
Description			Revision	A			
			QA	----	----		

Bill of Materials					Notes	
ID	Type	Manufacturer	Part Number	Quantity	<div><div>1</div>Splice</div>	
1	Boot	Raychem	204W221-25-0 [INLINE]	1		
2	Connector		2 Cavity	1		
3	Connector	TE Connectivity - Deutsch	DTM06-2S-E007	1		
4	Contact	DEUTSCH	1062-20-0222 [SOCKET]	2		
5	Heatshrink	Raychem	DR-25	0.49 m		
6	LED Light	Generic	Brake Light	1		
7	Lock	Deutsch	WM-2S [SOCKET]	1		
8	Wire	Raychem	55A0111-22-2 [RED]	0.49 m		
9	Wire	Raychem	55A0111-22-6 [BLUE]	0.49 m		

1

2

MAIN_UPPER [1, 3, 4, 7]

•

•

0.49 m [5]

1

2

OEM_BRAKELIGHT_CONNECTOR [2, 6]

1

Title		Part Number		Name		Date		University of British Columbia	
Description		Revision		Eng Approved		Mfg Approved		BAJA SAE	
Brake Light Harness		A		Jason L		NOV-2018		<div><div>UBC</div><div>BAJA</div></div>	
				QA				This document contains confidential and proprietary information that cannot be reproduced or divulged, in whole or in part, without written authorization.	

Bill of Materials					Notes
ID	Type	Manufacturer	Part Number	Quantity	
1	Boot	Raychem	204W221-25-0 [INLINE]	1	1 Splice into power supply
2	Cable	Raychem	55A1131-22-2/4/6 [Y,R,B]	0.04 m	
3	Connector	TE Connectivity - Deutsch	DTM04-2P-E007	1	
4	Contact	Deutsch	1060-20-0222 [PIN]	2	
5	Heatshrink	Raychem	DR-25	0.04 m	
6	Lock	Deutsch	WM-2P [PIN]	1	
7	Power Supply		BAJA 2019 Power Supply	1	

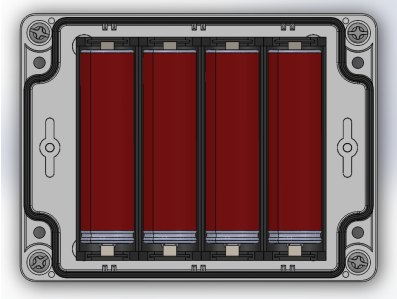
1

BATTERY [1, 3, 4, 6]

0.04 m [5]

Battery [7]

1



Title		Part Number		Name		Date		University of British Columbia	
Battery Harness		Battery Harness		Jason L		NOV-2018		BAJA SAE	
Description		Revision		Eng Approved		Mfg Approved		This document contains confidential and proprietary information that cannot be reproduced or divulged, in whole or in part, without written authorization.	
		----		----		----			
				QA					