





































Title:	Bill of Materials
Part Number:	DAQ Main Harness
Description:	DAQ Harness 2019

Id	Type	Manufacturer	Part Number	Description	Quantity	Usage
1	Connector	TE Connectivity - Deutsch	DT06-08SA	TE Connectivity - Deutsch DT Series Connector	2	8_Pin_Lower, 8_Pin_Upper
2	Connector	TE Connectivity - Deutsch	DTM06-3S-E007	TE Connectivity - Deutsch DT Series Connector	2	RPM, Steer_Pos
3	Connector	TE Connectivity - Deutsch	DTM06-4S-E007	TE Connectivity - Deutsch DT Series Connector	3	GPS, IRTC_CVT, Power
4	Connector	TE Connectivity - Deutsch	DTM06-2S-E007	TE Connectivity - Deutsch DT Series Connector	2	Power_Supply, TC_Gearbox
5	Wire	Tefzel	M22759/32-22-2	22AWG Wire, Red, Lightweight, MIL-SPEC	12.35 m	GPS_Pos, IRTC_CVT_Pos, Power_12V, RPM_Pos, Steer_Pos_Pos, TC_Gearbox_Pos
6	Wire	Tefzel	M22759/32-22-0	22AWG Wire, Black, Lightweight, MIL-SPEC	12.35 m	GPS_Neg, IRTC_CVT_Neg, Power_Gnd, RPM_Neg, Steer_Pos_Neg, TC_Gearbox_Neg
7	Wire	Tefzel	M22759/32-22-6	22AWG Wire, Blue, Lightweight, MIL-SPEC	8.24 m	GPS_CAN_Pos, IRTC_CVT_TBD1, RPM_Sig, Steer_Pos_Sig
8	Wire	Tefzel	M22759/32-22-9	22AWG Wire, White, Lightweight, MIL-SPEC	5.19 m	GPS_CAN_Neg, IRTC_CVT_TBD2
9	Tubing	Raychem	DR-25-3/16-0-SP [3/16"]	DR-25 Heatshrink	3.96 m	See Drawing
10	Tubing	Raychem	DR-25-1/4-0-SP [1/4"]	DR-25 Heatshrink	1.82 m	See Drawing

Title:	Wiring Table
Part Number:	DAQ Main Harness
Description:	DAQ Harness 2019

From	To	Conductor	Conductor PN	Twisted With	Gauge	Length	From Contact PN	Notes
8_Pin_Lower.1	Steer_Pos.2	 Steer_Pos_Neg.Black	M22759/32-22-0		22 AWG	0.53 m		
8_Pin_Lower.2	TC_Gearbox.2	 TC_Gearbox_Neg.Black	M22759/32-22-0		22 AWG	2.69 m		
8_Pin_Lower.3	TC_Gearbox.1	 TC_Gearbox_Pos.Red	M22759/32-22-2		22 AWG	2.69 m		
8_Pin_Lower.4	RPM.3	 RPM_Sig.Blue	M22759/32-22-6		22 AWG	2.52 m		
8_Pin_Lower.5	RPM.2	 RPM_Neg.Black	M22759/32-22-0		22 AWG	2.52 m		
8_Pin_Lower.6	RPM.1	 RPM_Pos.Red	M22759/32-22-2		22 AWG	2.52 m		
8_Pin_Lower.7	Steer_Pos.3	 Steer_Pos_Sig.Blue	M22759/32-22-6		22 AWG	0.53 m		
8_Pin_Lower.8	Steer_Pos.1	 Steer_Pos_Pos.Red	M22759/32-22-2		22 AWG	0.53 m		
8_Pin_Upper.1	IRTC_CVT.1	 IRTC_CVT_Pos.Red	M22759/32-22-2		22 AWG	2.26 m		dbl check pinout
8_Pin_Upper.2	IRTC_CVT.2	 IRTC_CVT_Neg.Black	M22759/32-22-0		22 AWG	2.26 m		dbl check pinout
8_Pin_Upper.3	GPS.2	 GPS_Neg.Black	M22759/32-22-0		22 AWG	2.93 m		
8_Pin_Upper.4	GPS.1	 GPS_Pos.Red	M22759/32-22-2		22 AWG	2.93 m		
8_Pin_Upper.5	GPS.4	 GPS_CAN_Neg.White	M22759/32-22-9		22 AWG	2.93 m		
8_Pin_Upper.6	GPS.3	 GPS_CAN_Pos.Blue	M22759/32-22-6		22 AWG	2.93 m		
8_Pin_Upper.7	IRTC_CVT.3	 IRTC_CVT_TBD1.Blue	M22759/32-22-6		22 AWG	2.26 m		dbl check pinout
8_Pin_Upper.8	IRTC_CVT.4	 IRTC_CVT_TBD2.White	M22759/32-22-9		22 AWG	2.26 m		dbl check pinout
Power.3	Power_Supply.1	 Power_12V.Red	M22759/32-22-2		22 AWG	1.42 m		
Power.4	Power_Supply.2	 Power_Gnd.Black	M22759/32-22-0		22 AWG	1.42 m		

Title:	----
Part Number:	DAQ Main Harness
Description:	DAQ Harness 2019

#	Type	Reference Designator	Manufacturer	Part Number	Color	Gauge	Length	Twisted With
1	Wire	GPS_CAN_Neg	Tefzel	M22759/32-22-9	 White	22 AWG	2.93 m	
2	Wire	GPS_CAN_Pos	Tefzel	M22759/32-22-6	 Blue	22 AWG	2.93 m	
3	Wire	GPS_Neg	Tefzel	M22759/32-22-0	 Black	22 AWG	2.93 m	
4	Wire	GPS_Pos	Tefzel	M22759/32-22-2	 Red	22 AWG	2.93 m	
5	Wire	IRTC_CVT_Neg	Tefzel	M22759/32-22-0	 Black	22 AWG	2.26 m	
6	Wire	IRTC_CVT_Pos	Tefzel	M22759/32-22-2	 Red	22 AWG	2.26 m	
7	Wire	IRTC_CVT_TBD1	Tefzel	M22759/32-22-6	 Blue	22 AWG	2.26 m	
8	Wire	IRTC_CVT_TBD2	Tefzel	M22759/32-22-9	 White	22 AWG	2.26 m	
9	Wire	Power_12V	Tefzel	M22759/32-22-2	 Red	22 AWG	1.42 m	
10	Wire	Power_Gnd	Tefzel	M22759/32-22-0	 Black	22 AWG	1.42 m	
11	Wire	RPM_Neg	Tefzel	M22759/32-22-0	 Black	22 AWG	2.52 m	
12	Wire	RPM_Pos	Tefzel	M22759/32-22-2	 Red	22 AWG	2.52 m	
13	Wire	RPM_Sig	Tefzel	M22759/32-22-6	 Blue	22 AWG	2.52 m	
14	Wire	Steer_Pos_Neg	Tefzel	M22759/32-22-0	 Black	22 AWG	0.53 m	
15	Wire	Steer_Pos_Pos	Tefzel	M22759/32-22-2	 Red	22 AWG	0.53 m	
16	Wire	Steer_Pos_Sig	Tefzel	M22759/32-22-6	 Blue	22 AWG	0.53 m	
17	Wire	TC_Gearbox_Neg	Tefzel	M22759/32-22-0	 Black	22 AWG	2.69 m	
18	Wire	TC_Gearbox_Pos	Tefzel	M22759/32-22-2	 Red	22 AWG	2.69 m	