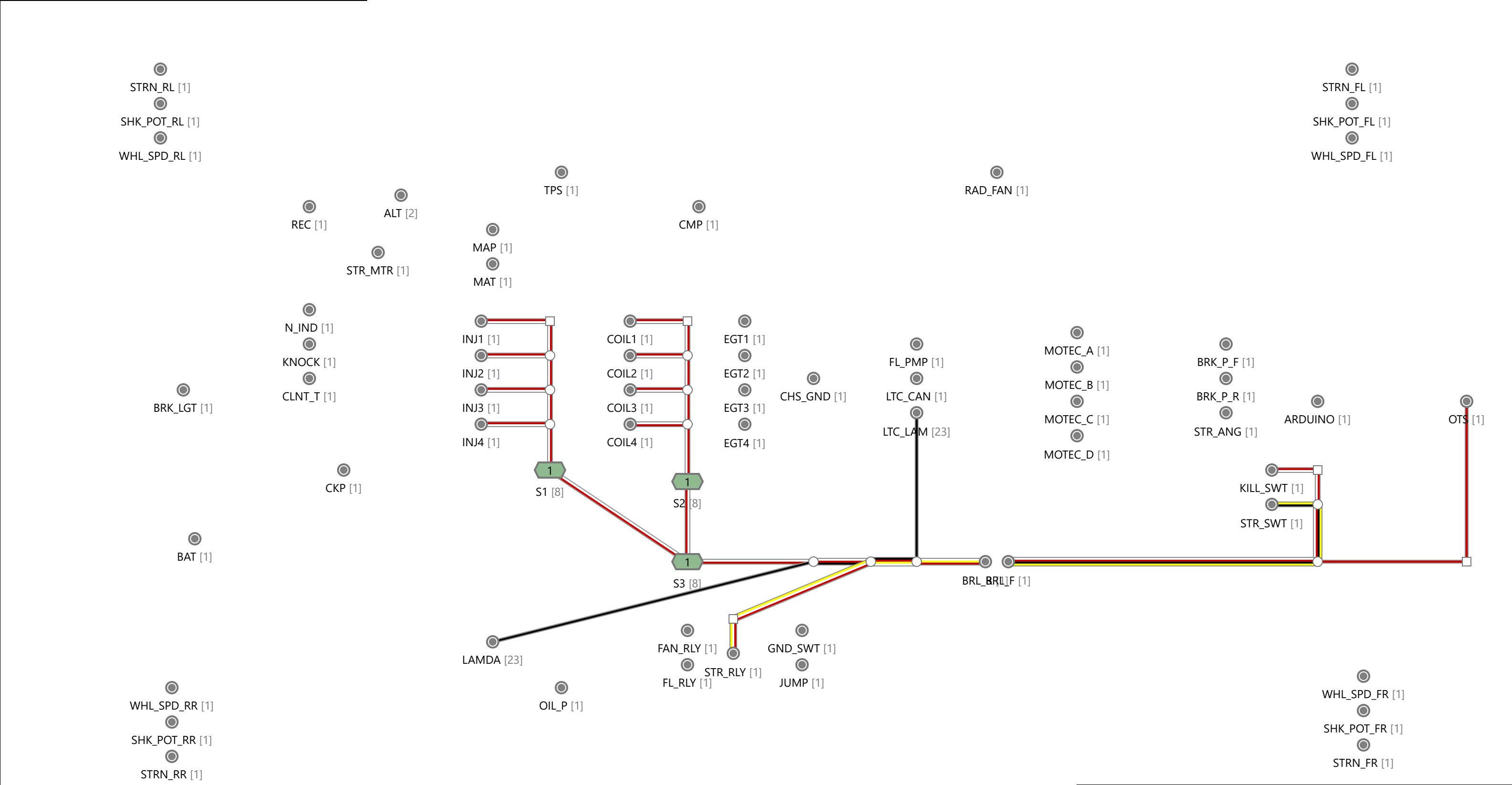



Revisions			
Rev.	Date	Author	Description



Title ----		Part Number TFR 2024 Harness		Revision ----	
Description					




























	Name	Date	 This document contains confidential and proprietary information that cannot be reproduced or divulged, in whole or in part, without written authorization.
Drawn By	----	----	
Eng Approved	----	----	
Mfg Approved	----	----	
QA	----	----	

Flag	Quantity	Note






























Title:	----
Part Number:	TFR 2024 Harness
Description:	

Id	Type	Manufacturer	Part Number	Description	Quantity	Usage
1	Connector		2 Cavity	Generic Connector	59	ARDUINO, BAT, BRK_LGT, BRK_P_F, BRK_P_R, BRL_F, BRL_R, CHS_GND, CKP, CLNT_T, CMP, COIL1, COIL2, COIL3, COIL4, EGT1, EGT2, EGT3, EGT4, FAN_RLY, FL_PMP, FL_RLY, GND_SWT, INJ1, INJ2, INJ3, INJ4, JUMP, KILL_SWT, KNOCK, LTC_CAN, MAP, MAT, MOTEC_A, MOTEC_B, MOTEC_C, MOTEC_D, N_IND, OIL_P, OTS, RAD_FAN, REC, SHK_POT_FL, SHK_POT_FR, SHK_POT_RL, SHK_POT_RR, STRN_FL, STRN_FR, STRN_RL, STRN_RR, STR_ANG, STR_MTR, STR_RLY, STR_SWT, TPS, WHL_SPD_FL, WHL_SPD_FR, WHL_SPD_RL, WHL_SPD_RR
2	Connector		3 Cavity	Generic Connector	1	ALT
8	Splice		Generic Splice	Generic Splice	3	S1, S2, S3
9	Wire		18 AWG Red	Generic Wire	≥ 0 in	W1, W10, W11, W12, W13, W14, W16, W18, W22, W24, W28
10	Wire		22 AWG Red	Generic Wire		W2, W3, W4, W5
11	Wire		22 AWG White-Green	Generic Wire		W6
12	Wire		22 AWG White-Black	Generic Wire		W7
13	Wire		22 AWG White-Red	Generic Wire		W8
14	Wire		22 AWG White-Blue	Generic Wire		W9
15	Wire		18 AWG White-Yellow	Generic Wire		W15
16	Wire		18 AWG White-Pink	Generic Wire		W19
17	Wire		18 AWG White-Brown	Generic Wire		W23
18	Wire		18 AWG White-Gray	Generic Wire		W27
19	Wire		18 AWG White	Generic Wire		W17, W26
20	Wire		18 AWG Yellow	Generic Wire		W21, W25
21	Wire		18 AWG Black	Generic Wire		W20
22	Cable				0 in	CBL1
23	Connector		6 Cavity	Generic Connector	2	LAMDA, LTC_LAM

Title:	----
Part Number:	TFR 2024 Harness
Description:	

From	To	Conductor	Conductor PN	Twisted With	Gauge	Length	From Contact PN	Notes
BRL_F.N/C	KILL_SWT.1	 W17.White	18 AWG White		18 AWG			
BRL_F.N/C	OTS.2	 W18.Red	18 AWG Red		18 AWG			
BRL_R.N/C	COIL1.2	 W15.White-Yellow	18 AWG White-Yellow	W11	18 AWG			
BRL_R.N/C	COIL2.2	 W19.White-Pink	18 AWG White-Pink	W12	18 AWG			
BRL_R.N/C	COIL3.2	 W23.White-Brown	18 AWG White-Brown	W13	18 AWG			
BRL_R.N/C	COIL4.2	 W27.White-Gray	18 AWG White-Gray	W14	18 AWG			
BRL_R.N/C	INJ1.2	 W6.White-Green	22 AWG White-Green	W2	22 AWG			
BRL_R.N/C	INJ2.2	 W7.White-Black	22 AWG White-Black	W3	22 AWG			
BRL_R.N/C	INJ3.2	 W8.White-Red	22 AWG White-Red	W4	22 AWG			
BRL_R.N/C	INJ4.2	 W9.White-Blue	22 AWG White-Blue	W5	22 AWG			
BRL_R.N/C	S3	 W22.Red	18 AWG Red		18 AWG			
BRL_R.N/C	STR_RLY.N/C	 W25.Yellow	18 AWG Yellow		18 AWG			
BRL_R.N/C	STR_RLY.N/C	 W26.White	18 AWG White		18 AWG			
KILL_SWT.2	OTS.1	 W16.Red	18 AWG Red		18 AWG			
LAMDA.1	LTC_LAM.1							
LAMDA.2	LTC_LAM.2							
LAMDA.3	LTC_LAM.3							
S1	INJ1.1	 W2.Red	22 AWG Red	W6	22 AWG			
S1	INJ2.1	 W3.Red	22 AWG Red	W7	22 AWG			
S1	INJ3.1	 W4.Red	22 AWG Red	W8	22 AWG			
S1	INJ4.1	 W5.Red	22 AWG Red	W9	22 AWG			
S2	COIL1.1	 W11.Red	18 AWG Red	W15	18 AWG			
S2	COIL2.1	 W12.Red	18 AWG Red	W19	18 AWG			
S2	COIL3.1	 W13.Red	18 AWG Red	W23	18 AWG			
S2	COIL4.1	 W14.Red	18 AWG Red	W27	18 AWG			
S3	S1	 W24.Red	18 AWG Red		18 AWG			
S3	S2	 W1.Red	18 AWG Red		18 AWG			
STR_RLY.N/C	BRL_R.N/C	 W10.Red	18 AWG Red		18 AWG			
STR_SWT.1	BRL_F.N/C	 W20.Black	18 AWG Black		18 AWG			
STR_SWT.2	BRL_F.N/C	 W21.Yellow	18 AWG Yellow		18 AWG			

Title:	----
Part Number:	TFR 2024 Harness
Description:	

#	Type	Reference Designator	Manufacturer	Part Number	Color	Gauge	From Strip	To Strip	Length	Twisted With
1	Cable	CBL1			 Blue				0 in	
2	Wire	W1		18 AWG Red	 Red	18 AWG				
3	Wire	W2		22 AWG Red	 Red	22 AWG				W6
4	Wire	W3		22 AWG Red	 Red	22 AWG				W7
5	Wire	W4		22 AWG Red	 Red	22 AWG				W8
6	Wire	W5		22 AWG Red	 Red	22 AWG				W9
7	Wire	W6		22 AWG White-Green	 White-Green	22 AWG				W2
8	Wire	W7		22 AWG White-Black	 White-Black	22 AWG				W3
9	Wire	W8		22 AWG White-Red	 White-Red	22 AWG				W4
10	Wire	W9		22 AWG White-Blue	 White-Blue	22 AWG				W5
11	Wire	W10		18 AWG Red	 Red	18 AWG				
12	Wire	W11		18 AWG Red	 Red	18 AWG				W15
13	Wire	W12		18 AWG Red	 Red	18 AWG				W19
14	Wire	W13		18 AWG Red	 Red	18 AWG				W23
15	Wire	W14		18 AWG Red	 Red	18 AWG				W27
16	Wire	W15		18 AWG White-Yellow	 White-Yellow	18 AWG				W11
17	Wire	W16		18 AWG Red	 Red	18 AWG				
18	Wire	W17		18 AWG White	 White	18 AWG				
19	Wire	W18		18 AWG Red	 Red	18 AWG				
20	Wire	W19		18 AWG White-Pink	 White-Pink	18 AWG				W12
21	Wire	W20		18 AWG Black	 Black	18 AWG				
22	Wire	W21		18 AWG Yellow	 Yellow	18 AWG				
23	Wire	W22		18 AWG Red	 Red	18 AWG				
24	Wire	W23		18 AWG White-Brown	 White-Brown	18 AWG				W13
25	Wire	W24		18 AWG Red	 Red	18 AWG				
26	Wire	W25		18 AWG Yellow	 Yellow	18 AWG				
27	Wire	W26		18 AWG White	 White	18 AWG				
28	Wire	W27		18 AWG White-Gray	 White-Gray	18 AWG				W14
29	Wire	W28		18 AWG Red	 Red	18 AWG			0 in	
30		LAMDA.1 - LTC_LAM.1								
31		LAMDA.2 - LTC_LAM.2								
32		LAMDA.3 - LTC_LAM.3								

Title:	----
Part Number:	TFR 2024 Harness
Description:	



#	Manufacturer	Part Number	Description	Label Text