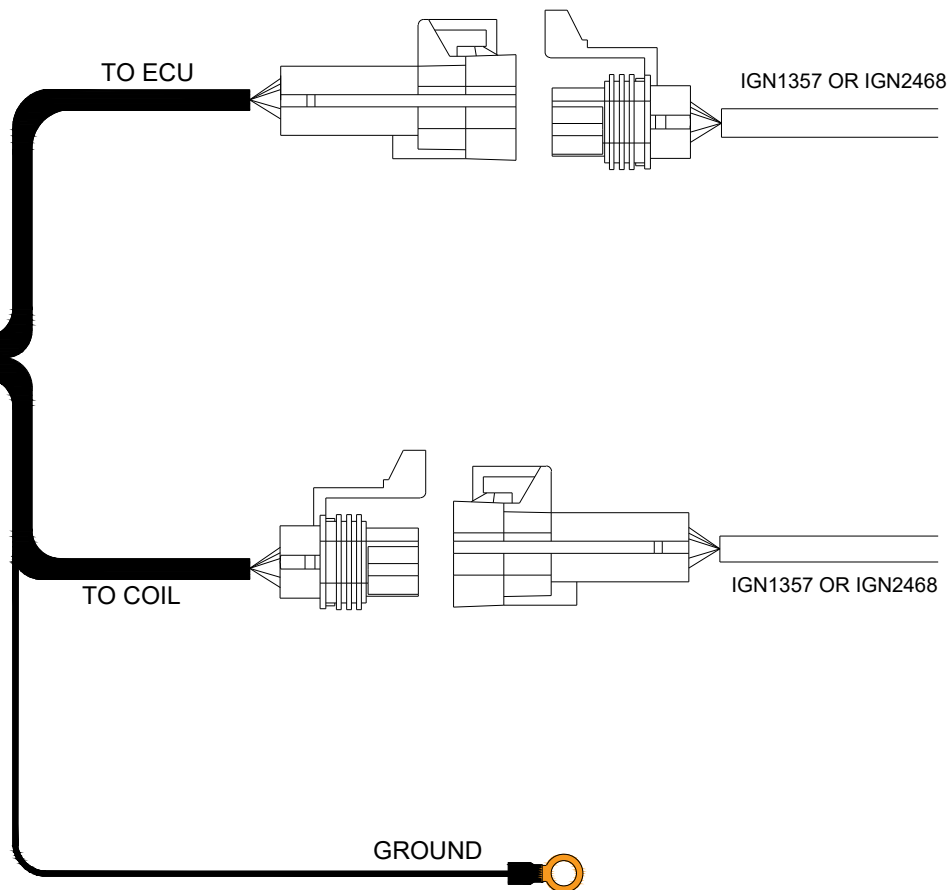
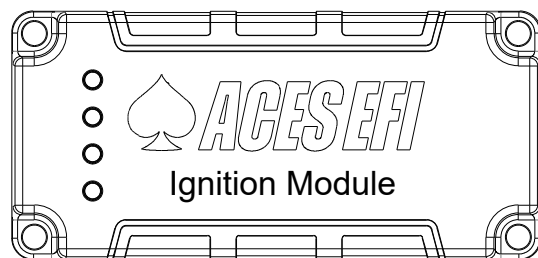
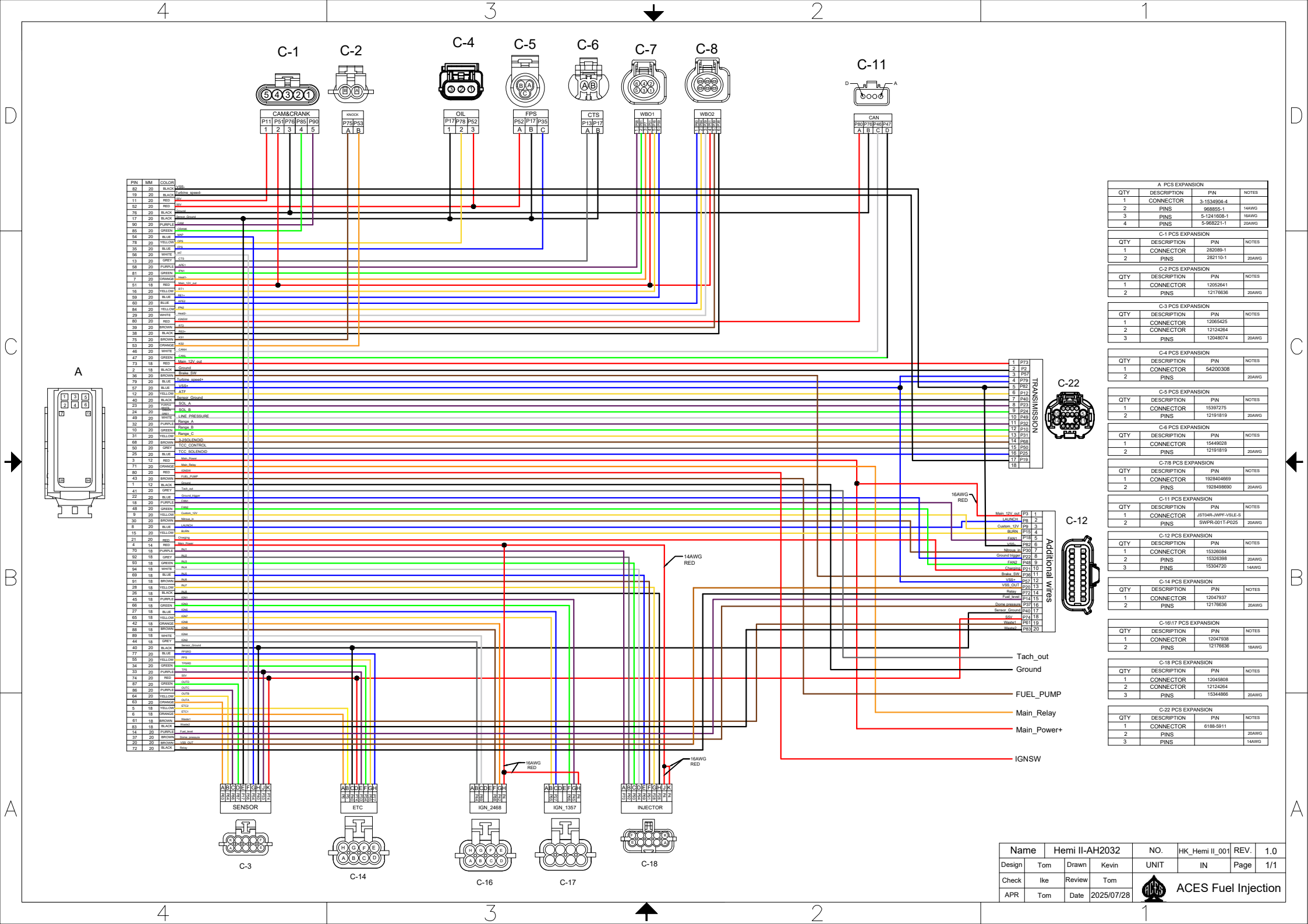




Name		Ignition Module		NO.	HK_Ignition Module_001	REV.	1.0
Design	Tom	Drawn	Kevin	UNIT	IN	Page	1/1
Check	Ike	Review	Tom	 ACES Fuel Injection			
APR	Tom	Date	2025/03/13				



PIN	MM	COLOR	DESCRIPTION
82	20	BLACK	WSS
19	20	BLACK	WSS
11	20	RED	WSS
52	20	RED	WSS
75	20	BLACK	WSS
17	20	BLACK	WSS
90	20	PURPLE	WSS
65	20	GREEN	WSS
54	20	BLUE	WSS
78	20	YELLOW	WSS
35	20	BLUE	WSS
56	20	WHITE	WSS
13	20	GREY	WSS
58	20	PURPLE	WSS
81	20	GREEN	WSS
7	20	ORANGE	WSS
51	18	RED	WSS
15	20	YELLOW	WSS
20	20	BLUE	WSS
60	20	BLUE	WSS
84	20	YELLOW	WSS
20	20	WHITE	WSS
80	20	RED	WSS
39	20	BROWN	WSS
58	20	BLACK	WSS
75	20	BROWN	WSS
63	20	ORANGE	WSS
46	20	WHITE	WSS
47	20	GREEN	WSS
73	18	RED	WSS
2	18	BLACK	WSS
26	20	BROWN	WSS
79	20	BLUE	WSS
67	20	BLUE	WSS
12	20	YELLOW	WSS
40	20	BLACK	WSS
40	20	BLACK	WSS
24	20	BLACK	WSS
49	20	WHITE	WSS
32	20	PURPLE	WSS
10	20	GREEN	WSS
31	20	YELLOW	WSS
68	20	BROWN	WSS
50	20	GREY	WSS
25	20	BLUE	WSS
3	12	RED	WSS
71	20	ORANGE	WSS
80	20	RED	WSS
43	20	BROWN	WSS
1	12	BLACK	WSS
41	20	GREY	WSS
22	20	BLUE	WSS
18	20	PURPLE	WSS
48	20	ORANGE	WSS
9	20	YELLOW	WSS
30	20	BROWN	WSS
8	20	BLUE	WSS
15	20	YELLOW	WSS
21	20	RED	WSS
4	14	RED	WSS
70	18	PURPLE	WSS
92	18	GREY	WSS
93	18	GREEN	WSS
94	18	WHITE	WSS
69	18	BLUE	WSS
81	18	BROWN	WSS
28	18	YELLOW	WSS
26	18	BLACK	WSS
45	18	PURPLE	WSS
66	18	GREEN	WSS
27	18	BLUE	WSS
65	18	YELLOW	WSS
42	18	ORANGE	WSS
88	18	WHITE	WSS
89	18	BLACK	WSS
44	18	GREY	WSS
40	20	BLACK	WSS
77	20	BLUE	WSS
55	20	YELLOW	WSS
34	20	ORANGE	WSS
33	20	PURPLE	WSS
74	20	RED	WSS
87	20	GREEN	WSS
86	20	PURPLE	WSS
64	20	YELLOW	WSS
63	20	ORANGE	WSS
5	18	YELLOW	WSS
6	18	ORANGE	WSS
61	18	BROWN	WSS
83	18	BLACK	WSS
14	20	PURPLE	WSS
27	20	ORANGE	WSS
20	20	BROWN	WSS
72	20	BLACK	WSS

A PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	3-1534904-4	
2	PINS	968855-1	14AWG
3	PINS	5-1241808-1	18AWG
4	PINS	5-968221-1	20AWG

C-1 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	240366-1	
2	PINS	282119-1	20AWG

C-2 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	12052841	
2	PINS	12176636	20AWG

C-3 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	12065425	
2	CONNECTOR	12124264	
3	PINS	12048074	20AWG

C-4 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	54200308	
2	PINS		20AWG

C-5 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	15387275	
2	PINS	12191819	20AWG

C-6 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	15449028	
2	PINS	12191819	20AWG

C-7 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	1928404669	
2	PINS	1928498960	20AWG

C-11 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	JST04R-JWPF-VSLE-S	
2	PINS	SWPR-001T-P025	20AWG

C-12 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	15326084	
2	PINS	15326398	20AWG
3	PINS	15304720	14AWG

C-14 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	12047937	
2	PINS	12176636	20AWG

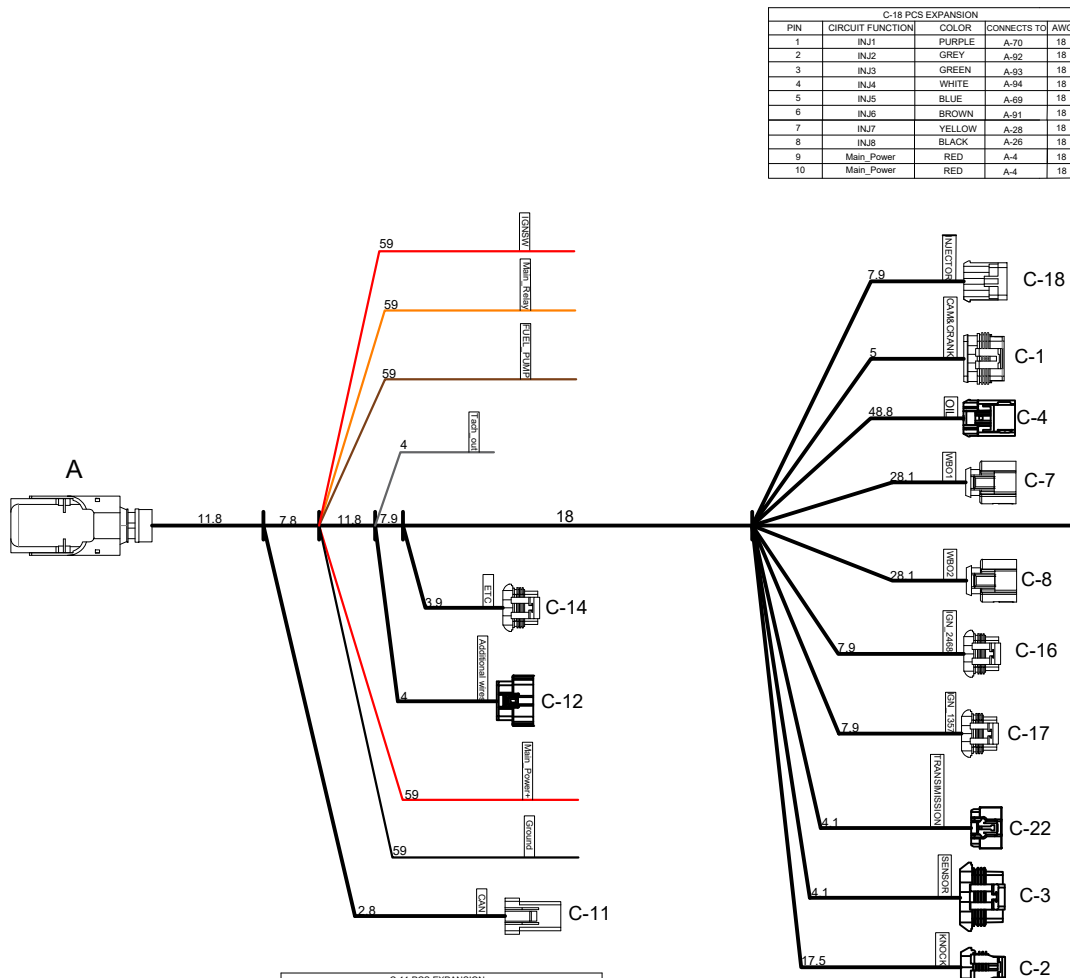
C-16/17 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	12047938	
2	PINS	12176636	18AWG

C-18 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	12045808	
2	CONNECTOR	12124264	
3	PINS	15344886	20AWG

C-22 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	6188-5911	
2	PINS		20AWG
3	PINS		14AWG

Name	Hemi II-AH2032	NO.		HK_Hemi II_001	REV.	1.0
Design	Tom	Drawn	Kevin	UNIT	IN	Page 1/1
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APR	Tom	Date	2025/07/28			

 ACES Fuel Injection



C-18 PCS EXPANSION				
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO	AWG
1	INJ1	PURPLE	A-70	18
2	INJ2	GREY	A-92	18
3	INJ3	GREEN	A-93	18
4	INJ4	WHITE	A-94	18
5	INJ5	BLUE	A-69	18
6	INJ6	BROWN	A-91	18
7	INJ7	YELLOW	A-28	18
8	INJ8	BLACK	A-26	18
9	Main_Power	RED	A-4	18
10	Main_Power	RED	A-4	18

C-7 PCS EXPANSION				
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO	AWG
1	APE1	PURPLE	A-58	20
2	IPN1	GREEN	A-81	20
3	HT1	ORANGE	A-7	20
4	Main_12V_out	RED	A-51	20
5	RT1	YELLOW	A-16	20
6	RE1*	BLUE	A-59	20

C-1 PCS EXPANSION				
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO	AWG
1	SSV	RED	A-11	20
2	Main_12V_out	RED	A-51	20
3	Ground	BLACK	A-7	20
4	CRANK	GREEN	A-85	20
5	CAM	PURPLE	A-90	20

C-4 PCS EXPANSION				
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO	AWG
1	Sensor_Ground	BLACK	A-17	20
2	SSV	RED	A-52	20
3	OPS	YELLOW	A-78	20

C-5 PCS EXPANSION				
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO	AWG
1	SSV	RED	A-52	20
2	Sensor_Ground	BLACK	A-17	20
3	FPS	BLUE	A-35	20

C-6 PCS EXPANSION				
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO	AWG
A	CTS	GRAY	A-13	20
B	Sensor_Ground	BLACK	A-17	20

C-8 PCS EXPANSION				
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO	AWG
1	APE2	BLUE	A-60	20
2	IPN2	YELLOW	A-84	20
3	HT2	WHITE	A-29	20
4	Main_12V_out	RED	A-51	20
5	RT2	BROWN	A-39	20
6	RE2*	BLACK	A-38	20

C-16 PCS EXPANSION				
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO	AWG
B	IGN2	GRAY	A-44	18
C	IGN4	WHITE	A-89	18
E				
F	IGN6	BROWN	A-88	18
G	IGN8	ORANGE	A-42	18
H	Main_Power	RED	A-4	18

C-17 PCS EXPANSION				
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO	AWG
B	IGN7	YELLOW	A-65	18
C	IGN5	BLUE	A-27	18
E				
F	IGN3	GREEN	A-66	18
G	IGN1	PURPLE	A-45	18
H	Main_Power	RED	A-4	18

C-2 PCS EXPANSION				
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO	AWG
1	KS1	BROWN	A-75	20
2	KS2	ORANGE	A-53	20

C-22 PCS EXPANSION				
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO	AWG
1	Main_12V_out	RED	A-73	18
2	Ground	BLACK	A-2	18
3	VSS*	BLUE	A-57	20
4	Turbine_speed*	BLUE	A-79	20
5	VSS-	BLACK	A-82	20
6	ATF	YELLOW	A-12	20
7	Sensor_Ground	BLACK	A-40	20
8	SOL A	PURPLE/WHITE	A-23	20
9	SOL B	GRAY/GREEN	A-24	20
10	LINEPRESSURE	WHITE	A-49	20
11	Range_A	PURPLE	A-32	20
12	Range_B	GREEN	A-10	20
13	Range_C	YELLOW	A-31	20
14	3-2 SOLENOID	BROWN	A-68	20
15	TCC_CONTROL	GRAY	A-50	20
16	TCC SOLENOID	BLUE	A-25	20
17	Turbine_speed*	BLACK	A-19	20
18				

C-3 PCS EXPANSION				
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO	AWG
A	OUTA	ORANGE	A-63	20
B	OUTB	YELLOW	A-64	20
C	OUTC	PURPLE	A-86	20
D	OUTD	GREEN	A-87	20
E	Sensor_Ground	BLACK	A-17	20
F	IAT	WHITE	A-55	20
G	MAP	BLUE	A-54	20
H	Sensor_Ground	BLACK	A-40	20
J	TPS	BROWN	A-33	20
K	SSV	RED	A-74	20

C-11 PCS EXPANSION				
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO	AWG
1	IGNSW	RED	A-80	20
2	Ground	BLACK	A-76	20
3	CANH	WHITE	A-46	20
4	CANL	GREEN	A-47	20

C-14 PCS EXPANSION				
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO	AWG
	Main_Power*	RED	A-3	12
	Ground	BLACK	A-1	12
	IGNSW	RED	A-80	20
	FUEL_PUMP	BROWN	A-43	20
	Main_Relay	ORANGE	A-71	20
	Tach_out	GREY	A-41	20

C-12 PCS EXPANSION				
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO	AWG
1	Main_12V_out	RED	A-3	14
2	LAUNCH	BLUE	A-8	20
3	Custom_12V	YELLOW	A-9	20
4	BURN	YELLOW	A-15	20
5	FAN1	PURPLE	A-18	20
6	VSS-	BLACK	A-82	20
7	Nitrous_in	BROWN	A-30	20
8	Ground trigger	BLUE	A-41	20
9	FAN2	GREEN	A-48	20
10	Charging	RED	A-21	20
11	Brake_S/W	BROWN	A-36	20
12	VSS*	BLUE	A-57	20
13	VSS_OUT	BROWN	A-61	18
14	Relay	BLACK	A-83	18
15	Fuel_Level	PURPLE	A-14	20
16	Dome pressure	GREEN	A-37	20
17	Sensor_Ground	BLACK	A-61	18
18	SSV	RED	A-83	18
19	Waste1	BROWN	A-14	20
20	Waste2	GREY	A-37	20

C-12 PCS EXPANSION				
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO	AWG
1	Main_12V_out	RED	A-3	14
2	LAUNCH	BLUE	A-8	20
3	Custom_12V	YELLOW	A-9	20
4	BURN	YELLOW	A-15	20
5	FAN1	PURPLE	A-18	20
6	VSS-	BLACK	A-82	20
7	Nitrous_in	BROWN	A-30	20
8	Ground trigger	BLUE	A-41	20
9	FAN2	GREEN	A-48	20
10	Charging	RED	A-21	20
11	Brake_S/W	BROWN	A-36	20
12	VSS*	BLUE	A-57	20
13	VSS_OUT	BROWN	A-61	18
14	Relay	BLACK	A-83	18
15	Fuel_Level	PURPLE	A-14	20
16	Dome pressure	GREEN	A-37	20
17	Sensor_Ground	BLACK	A-61	18
18	SSV	RED	A-83	18
19	Waste1	BROWN	A-14	20
20	Waste2	GREY	A-37	20

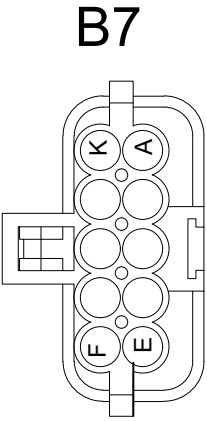
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Design	Tom	Drawn	Kevin	UNIT	IN	Page	1/1
Check	Ike	Review	Tom	 ACES Fuel Injection			
APR	Tom	Date	2025/07/28				

C60 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	178390-2	
2	PINS		20AWG

C62PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	15354716	
2	PINS	12191819	20AWG

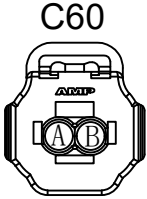
C59 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	7287-0955-30	
2	PINS		20AWG

C61 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	15397275	
2	PINS	12191819	20AWG

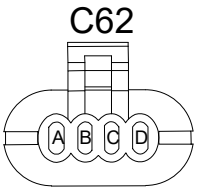


PIN	AWG	CLOUR	
K	20	RED	S5V
J	20	PURPLE	TPS
H	20	BLACK	Sensor_Ground
G	20	BLUE	MAP
F	20	WHITE	IAT
E	20	BLACK	Sensor_Ground
D	20	GREEN	OUTD
C	20	PURPLE	OUTC
B	20	YELLOW	OUTB
A	20	ORANGE	OUTA

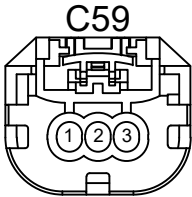
B7 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	12045808	
2	PINS	12059894	20AWG



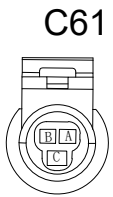
IAT	
A17	A56
A	B



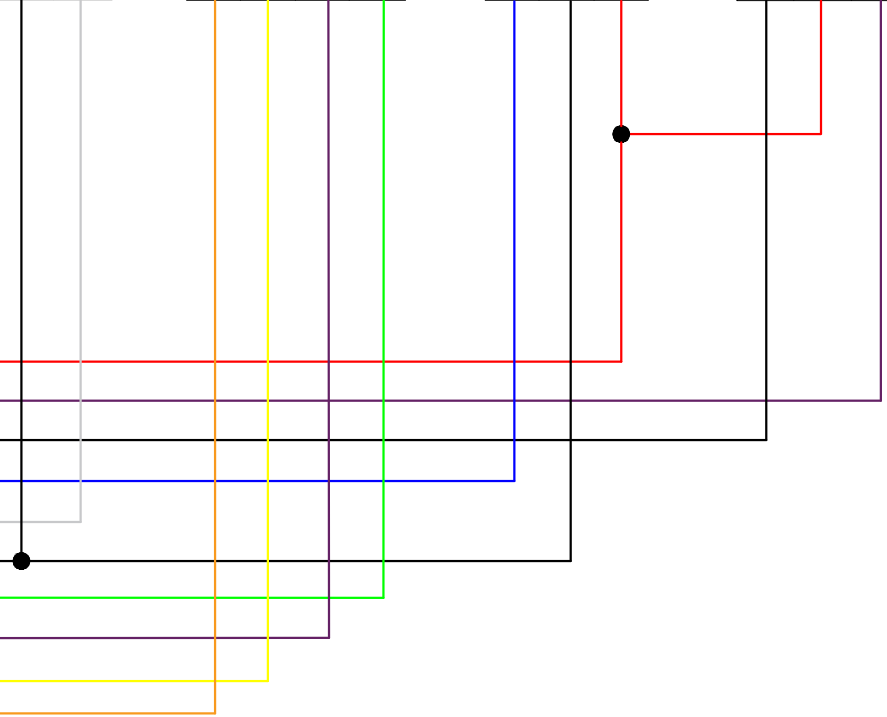
IAC			
A63	A64	A86	A87
A	B	C	D



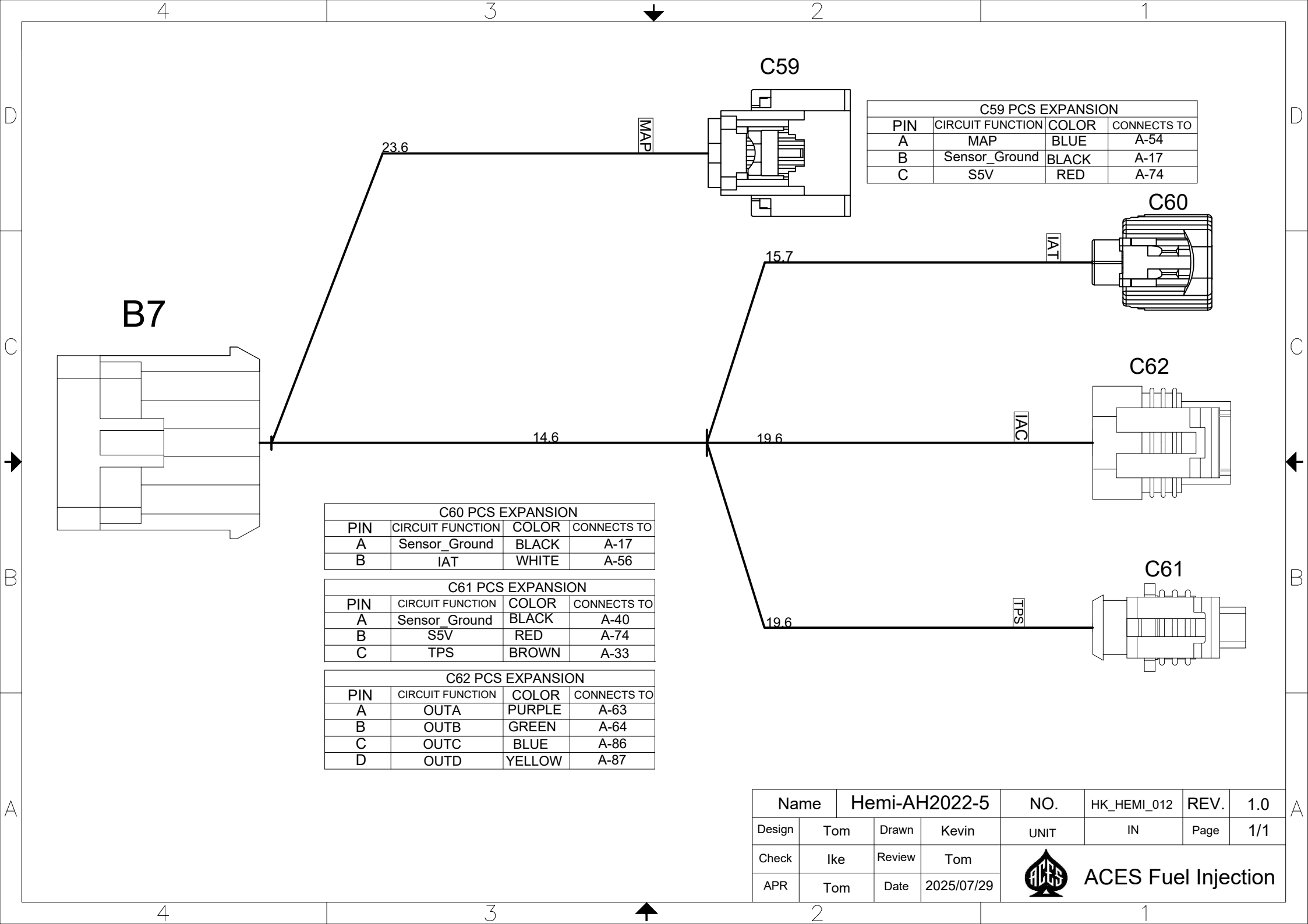
MAP		
A54	A17	A74
1	2	3



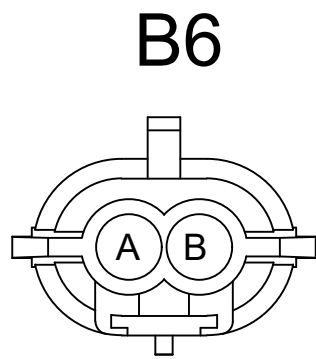
TPS		
A40	A74	A33
A	B	C



Name		Hemi-AH2022-5		NO.	HK_HEMI_011	REV.	1.0
Design	Tom	Drawn	Kevin	UNIT	IN	Page	1/1
Check	Ike	Review	Tom	 ACES Fuel Injection			
APR	Tom	Date	2025/07/29				

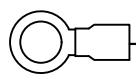


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Design	Tom	Drawn	Kevin	UNIT	IN	Page	1/1
Check	Ike	Review	Tom	 ACES Fuel Injection			
APR	Tom	Date	2025/07/29				



PIN	AWG	CLOUR
A	20	BROWN
B	20	ORANGE

101



KS1

KS2

16AWG
BLACK

18AWG
BLACK

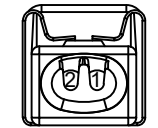
1	A-A75	KS1
2	101	

1	B-A53	KS2
2	101	

C-49



C-50

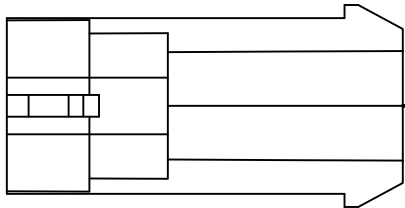


B6 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
A	CONNECTOR	12162000	
B	PINS	12059894	20AWG

C49-C50 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	282189-1	
2	PINS		20AWG

Name		Hemi-AH2022-4		NO.	HK_HEMI_009	REV.	1.0
Design	Tom	Drawn	Kevin	UNIT	IN	Page	1/1
Check	Ike	Review	Tom	 ACES Fuel Injection			
APR	Tom	Date	2025/07/29				

B-6



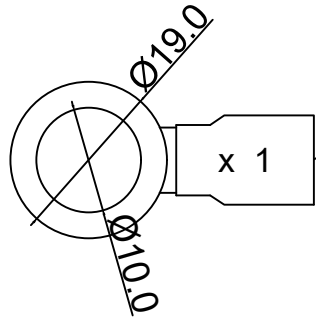
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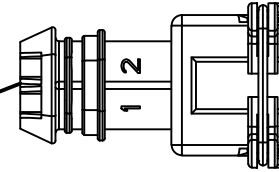
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8

GROUND



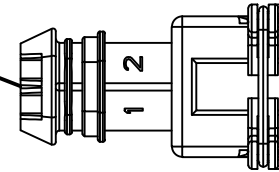
C-49



KS1

C-49 PCS EXPANSION				
	CIRCUIT FUNCTION	COLOR	CONNECTS TO	AWG
1	KS1	RED	B9-1	20
2	Ground	BLACK		18

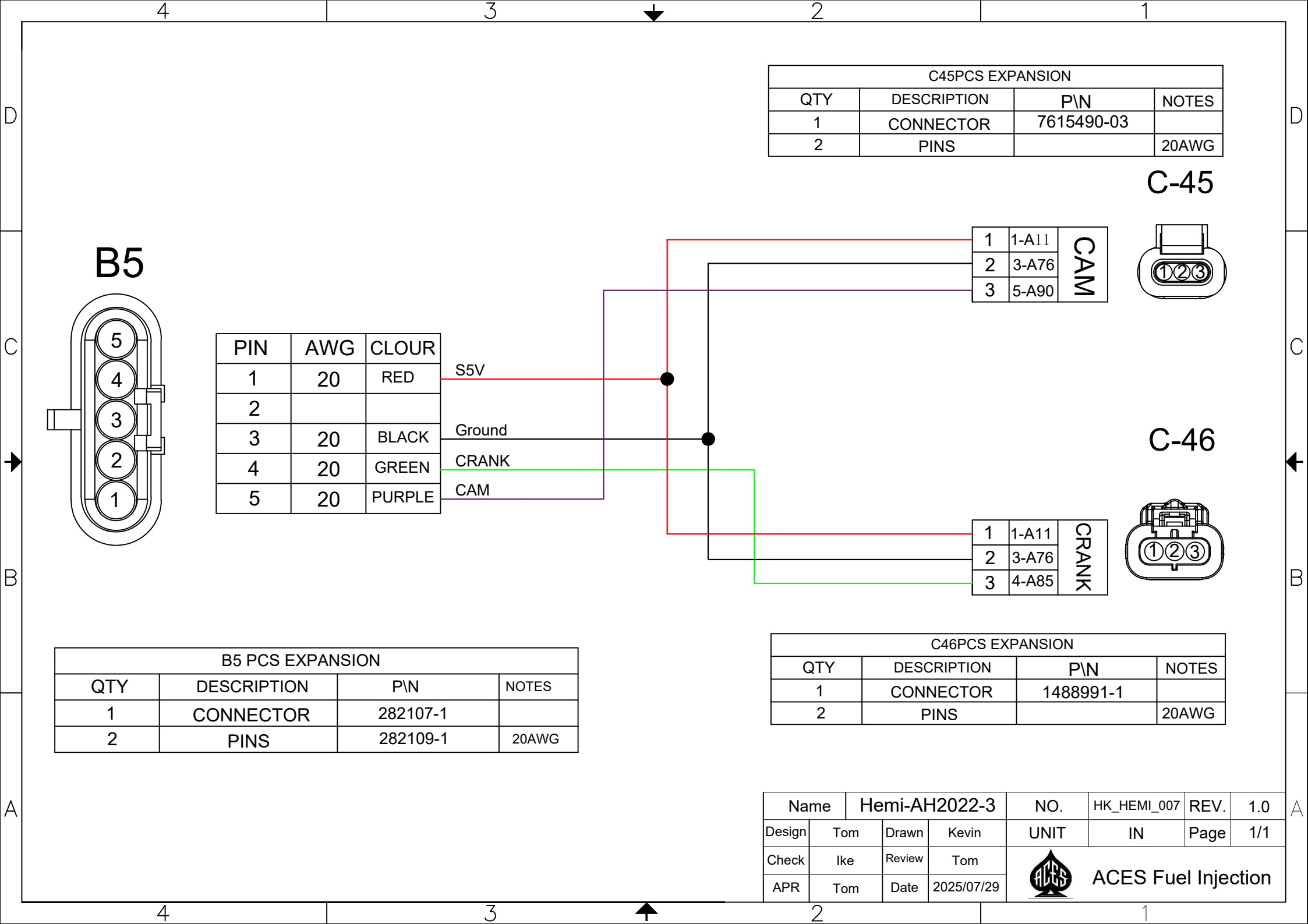
C-50



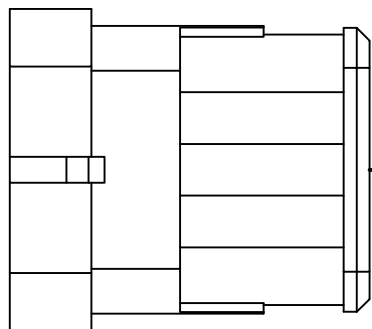
KS2

C-50 PCS EXPANSION				
	CIRCUIT FUNCTION	COLOR	CONNECTS TO	AWG
1	KS2	RED	B9-2	20
2	Ground	BLACK		18

Name		Hemi-AH2022-4		NO.	HK_HEMI_010	REV.	1.0
Design	Tom	Drawn	Kevin	UNIT	IN	Page	1/1
Check	Ike	Review	Tom	 ACES Fuel Injection			
APR	Tom	Date	2024/08/07				



B5

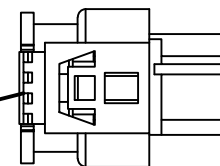


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52.9

CAM

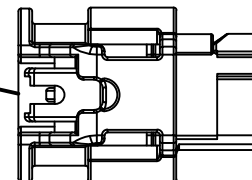
C-45



16.7

CRANK

C-46



C-46 PCS EXPANSION

PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO	AWG
1	S5V	RED	A-11	20
2	Ground	BLACK	A-76	20
3	CRANK	GREEN	A-85	20

C-45 PCS EXPANSION

PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO	AWG
1	S5V	RED	A-11	20
2	Ground	BLACK	A-76	20
3	CAM	PURPLE	A-90	20

Name Hemi-AH2022-3

NO. HK_HEMI_008 REV. 1.0

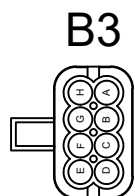
Design Tom Drawn Kevin

UNIT IN Page 1/1

Check Ike Review Tom

APR Tom Date 2025/07/29

 ACES Fuel Injection

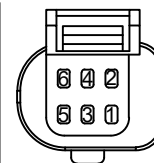


PIN	AWG	COLOR
H	20	BLUE
G	20	YELLOW
F	20	GREEN
E	20	PURPLE
D	20	RED
C	20	BLACK
B	18	YELLOW
A	18	ORANGE

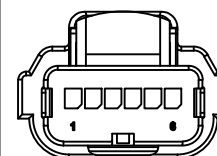
PPSRD
PPS
TPSRD
TPS
S5V
Sensor_Ground
ETC2
ETC1

6	C-A40
5	B-A5
4	E-A33
3	A-A6
2	D-A74
1	F-A34

ETC



C-42

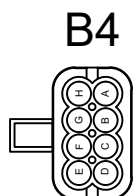


B3/4 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	12047931	
2	PINS	12059894	20AWG

C-41 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	54390612	
2	PINS	7116-4103-02	20AWG

C-42/44 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	31403-6100	
2	PINS	1393366-1	20AWG

C-43 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	1-1419168-1	
2	PINS	1393366-1	20AWG

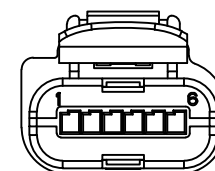


PIN	AWG	COLOR
H	20	BLUE
G	20	YELLOW
F	20	GREEN
E	20	PURPLE
D	20	RED
C	20	BLACK
B	18	YELLOW
A	18	ORANGE

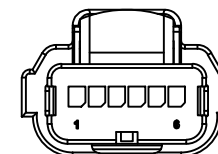
PPSRD
PPS
TPSRD
TPS
S5V
Sensor_Ground
ETC2
ETC1

6	C-A40
5	E-A33
4	D-A74
3	F-A34
2	B-A5
1	A-A6

ETC



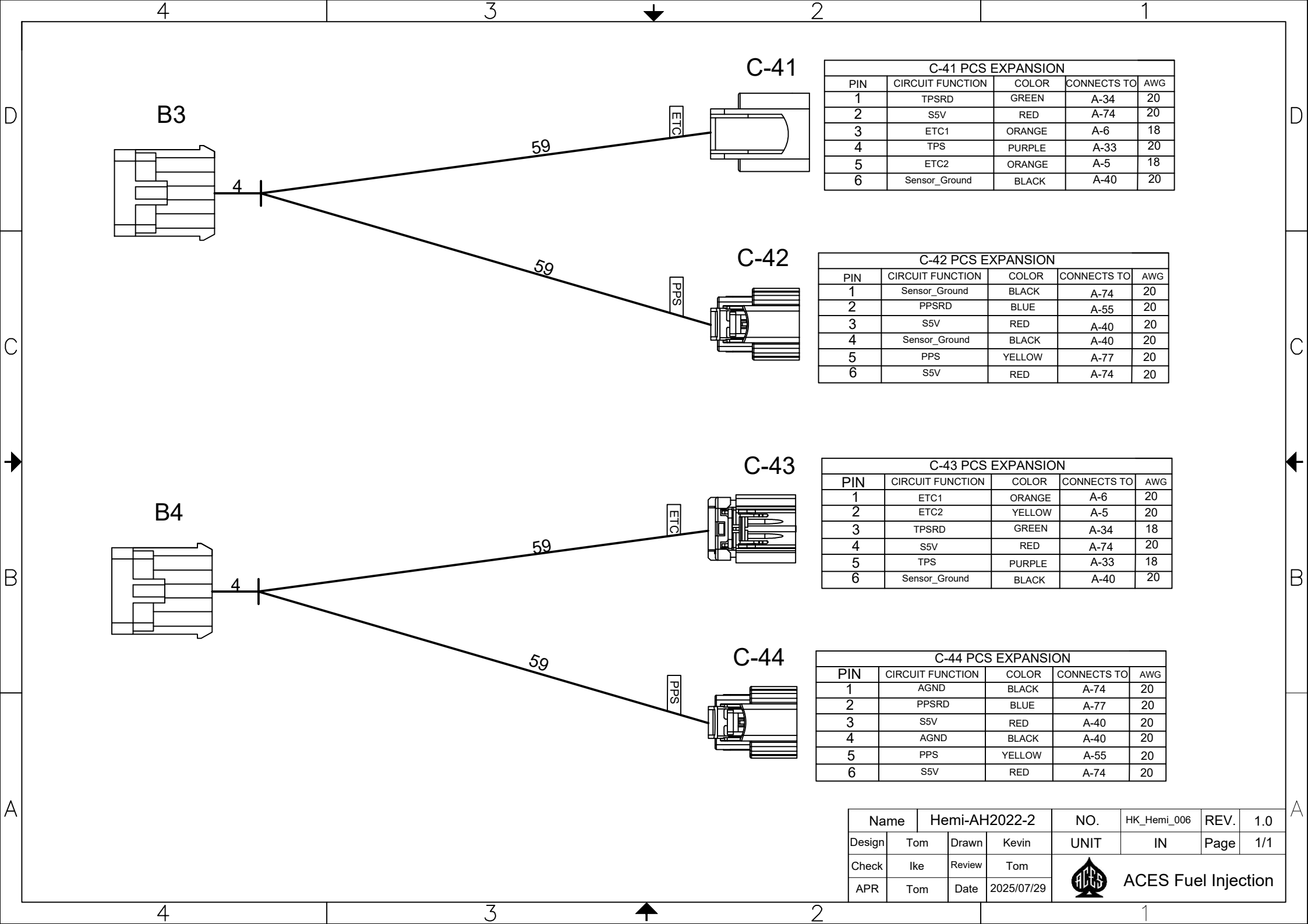
C-44

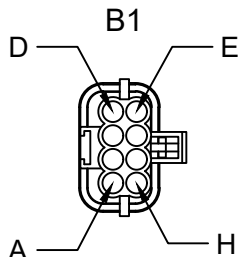


6	D-A74
5	H-A77
4	C-A40
3	C-A40
2	G-A55
1	D-A74

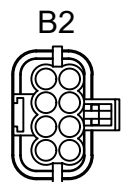
PPS

Name	Hemi-AH2022-2		NO.	HK_Hemi_005	REV.	1.0
Design	Tom	Drawn	Kevin	UNIT	IN	Page 1/1
Check	Ike	Review	Tom	 ACES Fuel Injection		
APR	Tom	Date	2025/07/29			





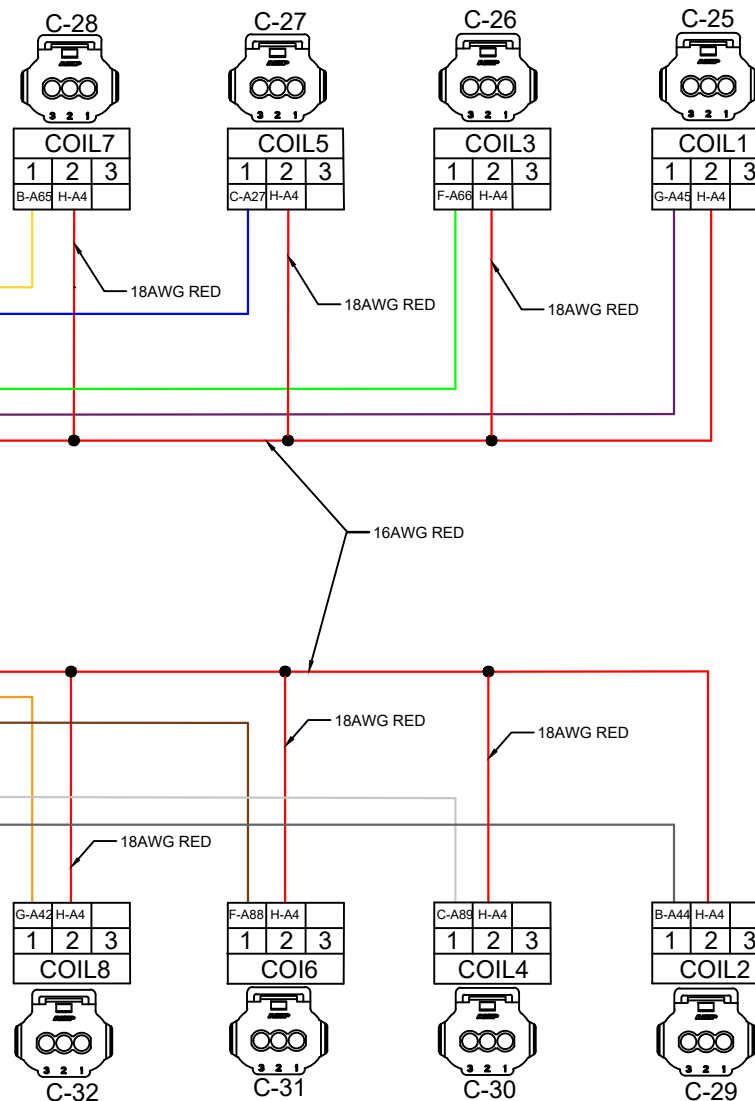
PIN	AWG	COLOR
A		
B	18	YELLOW
C	18	BLUE
D		
E		
F	18	GREEN
G	18	PURPLE
H	16	RED



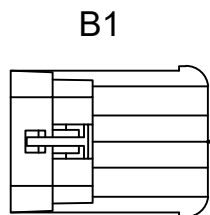
PIN	AWG	COLOR
H	16	RED
G	18	ORANGE
F	18	BROWN
E		
D		
C	18	WHITE
B	18	GREY
A		

B1\B2 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	12047933	
2	PINS	12059894	18AWG

C25-32 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	184032-1	
2	PINS	171630-1	18AWG



Name		Hemi-AH2022-1		NO.	HK_Hemi_003	REV.	1.0
Design	Tom	Drawn	Kevin	UNIT	IN	Page	1/1
Check	Ike	Review	Tom	 ACES Fuel Injection			
APR	Tom	Date	2025/07/29				



B1

GN 1357

6.8

4.3

4.7

C-27

COIL5

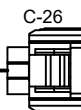


C27 PCS EXPANSION			
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO
1	COIL5	BLUE	A-27
2	Main Power	RED	A-4
3			



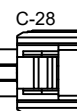
C-25

C25 PCS EXPANSION			
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO
1	COIL1	PURPLE	A-45
2	Main Power	RED	A-4
3			



C-26

C26 PCS EXPANSION			
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO
1	COIL3	GREEN	A-66
2	Main Power	RED	A-4
3			



C-28

C28 PCS EXPANSION			
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO
1	COIL7	YELLOW	A-65
2	Main Power	RED	A-4
3			

4.7

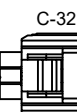
COIL7



C-30

4.7

C30 PCS EXPANSION			
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO
1	COIL6	BROWN	A-88
2	Main Power	RED	A-4
3			

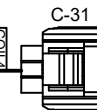


C-32

C32 PCS EXPANSION			
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO
1	COIL2	GREY	A-44
2	Main Power	RED	A-4
3			

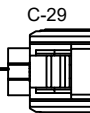
4.7

COIL4



C-31

C31 PCS EXPANSION			
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO
1	COIL4	WHITE	A-89
2	Main Power	RED	A-4
3			

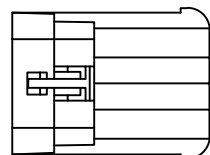


C-29

C29 PCS EXPANSION			
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO
1	COIL8	ORANGE	A-45
2	Main Power	RED	A-4
3			

4.7

COIL8



B2

GN 2468

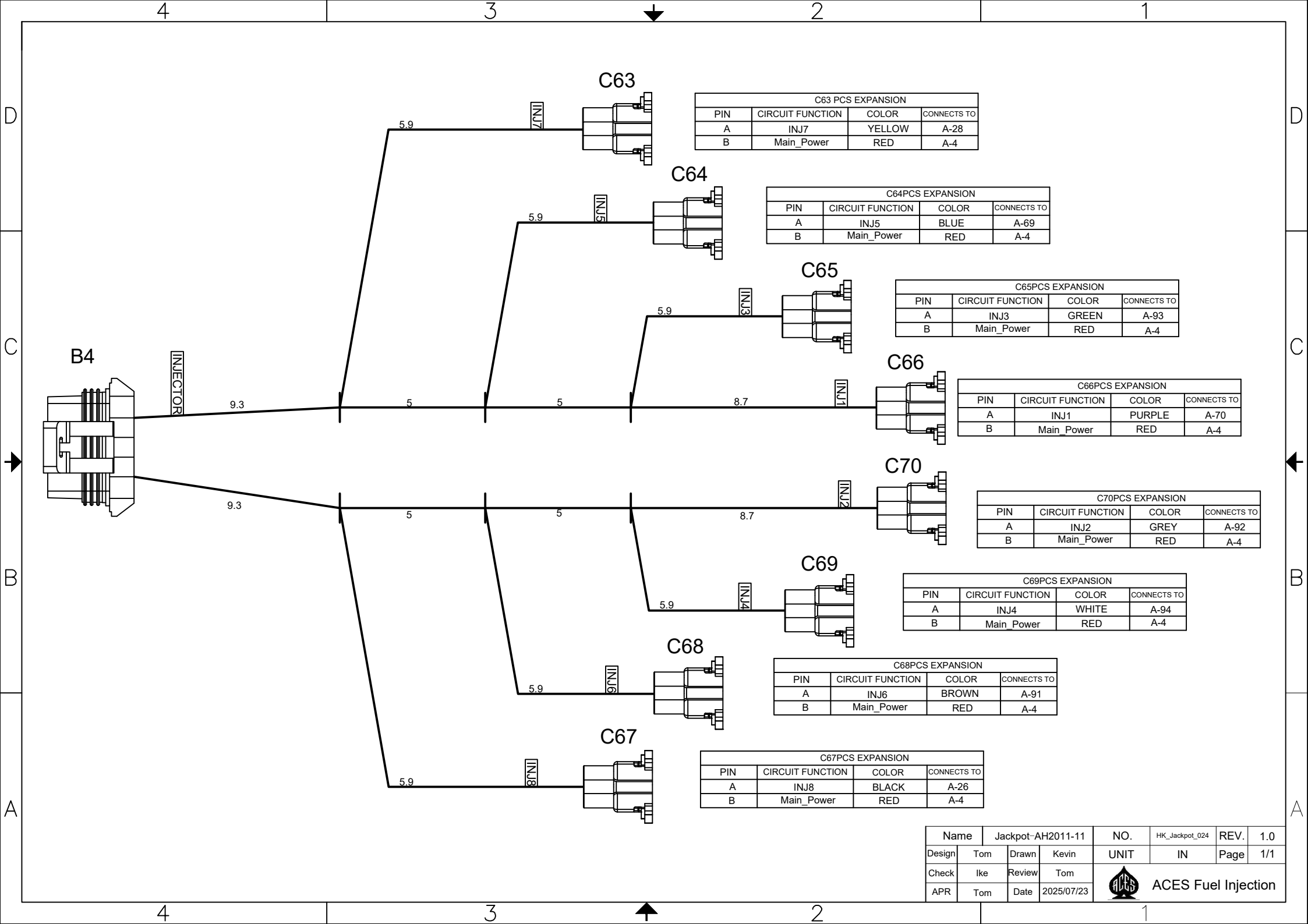
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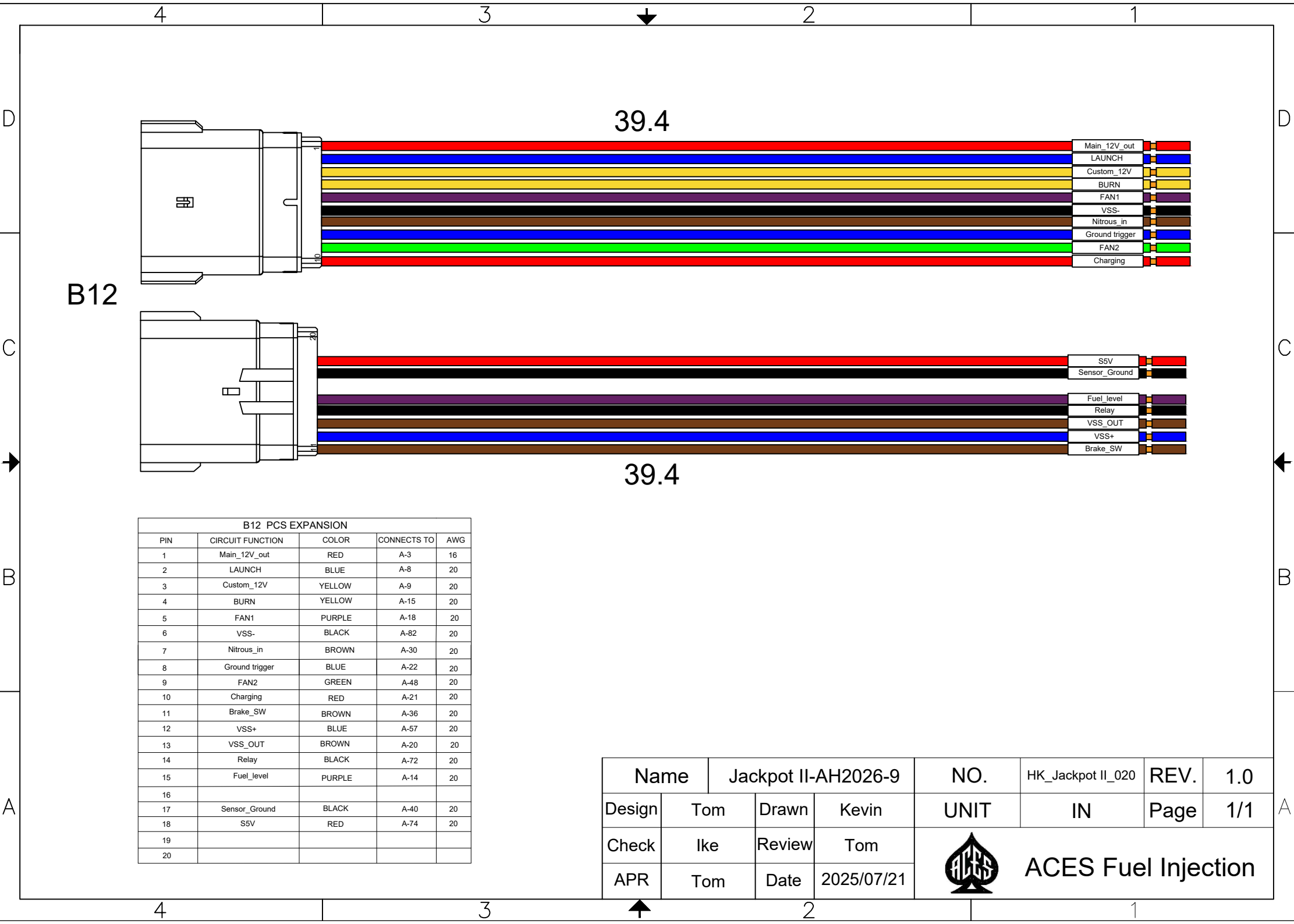
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5.3

6.5

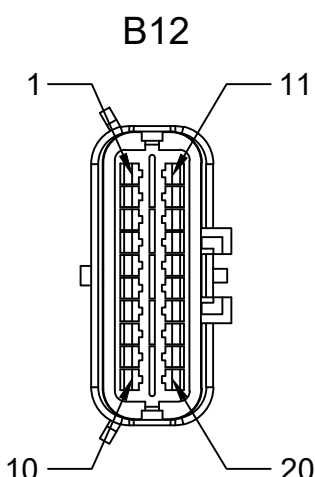
Name		Hemi-AH2022-1		NO.	HK_Hemi_006	REV.	1.0
Design	Tom	Drawn	Kevin	UNIT	IN	Page	1/1
Check	Ike	Review	Tom	 ACES Fuel Injection			
APR	Tom	Date	2025/07/29				





B12 PCS EXPANSION				
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO	AWG
1	Main_12V_out	RED	A-3	16
2	LAUNCH	BLUE	A-8	20
3	Custom_12V	YELLOW	A-9	20
4	BURN	YELLOW	A-15	20
5	FAN1	PURPLE	A-18	20
6	VSS-	BLACK	A-82	20
7	Nitrous_in	BROWN	A-30	20
8	Ground trigger	BLUE	A-22	20
9	FAN2	GREEN	A-48	20
10	Charging	RED	A-21	20
11	Brake_SW	BROWN	A-36	20
12	VSS+	BLUE	A-57	20
13	VSS_OUT	BROWN	A-20	20
14	Relay	BLACK	A-72	20
15	Fuel_level	PURPLE	A-14	20
16				
17	Sensor_Ground	BLACK	A-40	20
18	S5V	RED	A-74	20
19				
20				

Name		Jackpot II-AH2026-9		NO.	HK_Jackpot II_020	REV.	1.0
Design	Tom	Drawn	Kevin	UNIT	IN	Page	1/1
Check	Ike	Review	Tom	 ACES Fuel Injection			
APR	Tom	Date	2025/07/21				

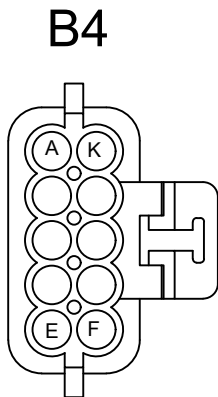


PIN	AWG	COLOR
1	16	RED
2	20	BLUE
3	20	YELLOW
4	20	YELLOW
5	20	PURPLE
6	20	BLACK
7	20	BROWN
8	20	BLUE
9	20	GREEN
10	20	RED
11	20	BROWN
12	20	BLUE
13	20	BROWN
14	20	BLACK
15	20	PURPLE
16		
17	20	BLACK
18	20	RED
19		
20		

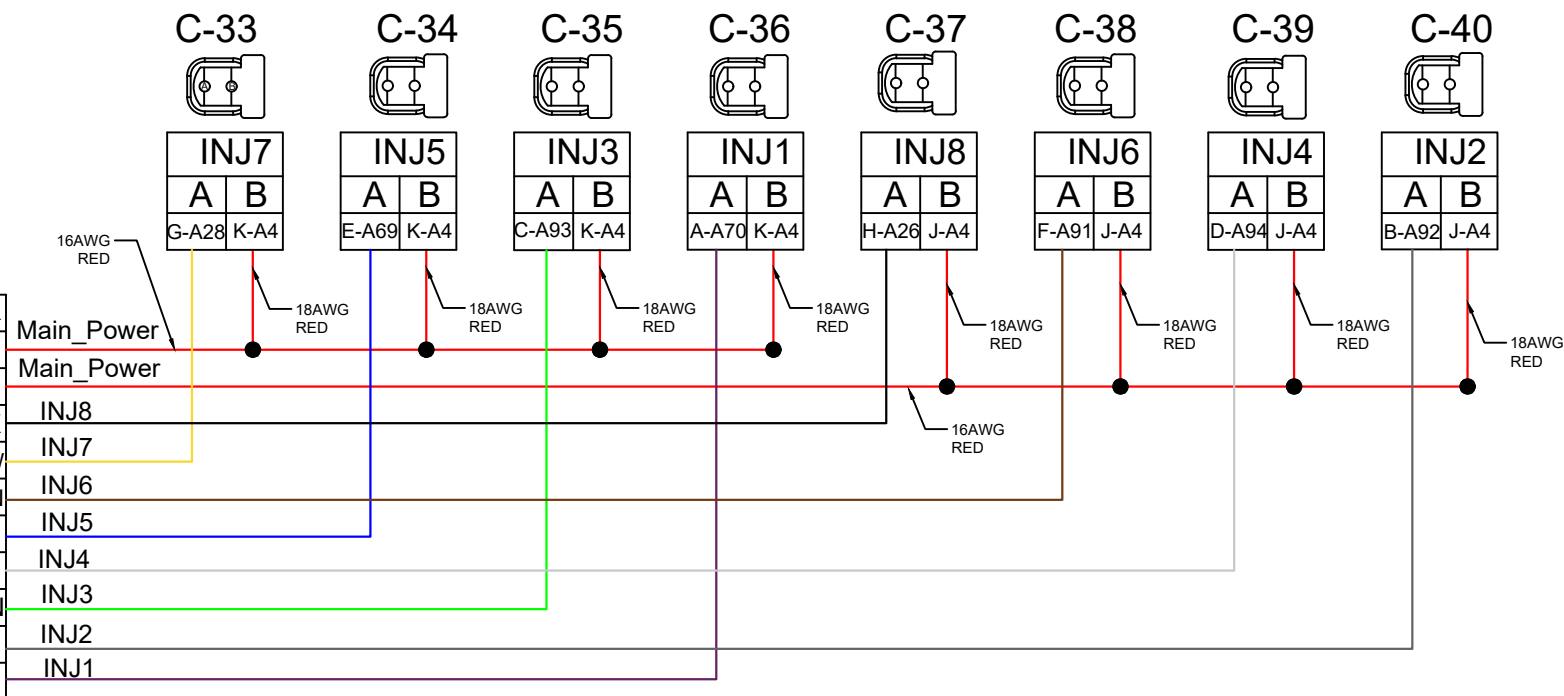
Main_12V_out
LAUNCH
Custom_12V
BURN
FAN1
VSS-
Nitrous_in
Ground trigger
FAN2
Charging
Brake_SW
VSS+
VSS_OUT
Relay
Fuel_level
Sensor_Ground
S5V

B12 PCS EXPANSION			
QTY	DESCRIPTION	P\N	NOTES
1	CONNECTOR	33482-2001	
2	PINS	33000-0002	16-20AWG

Name		Jackpot II-AH2026-9		NO.	HK_Jackpot II_019	REV.	1.0
Design	Tom	Drawn	Kevin	UNIT	IN	Page	1/1
Check	Ike	Review	Tom	 ACES Fuel Injection			
APR	Tom	Date	2025/07/21				



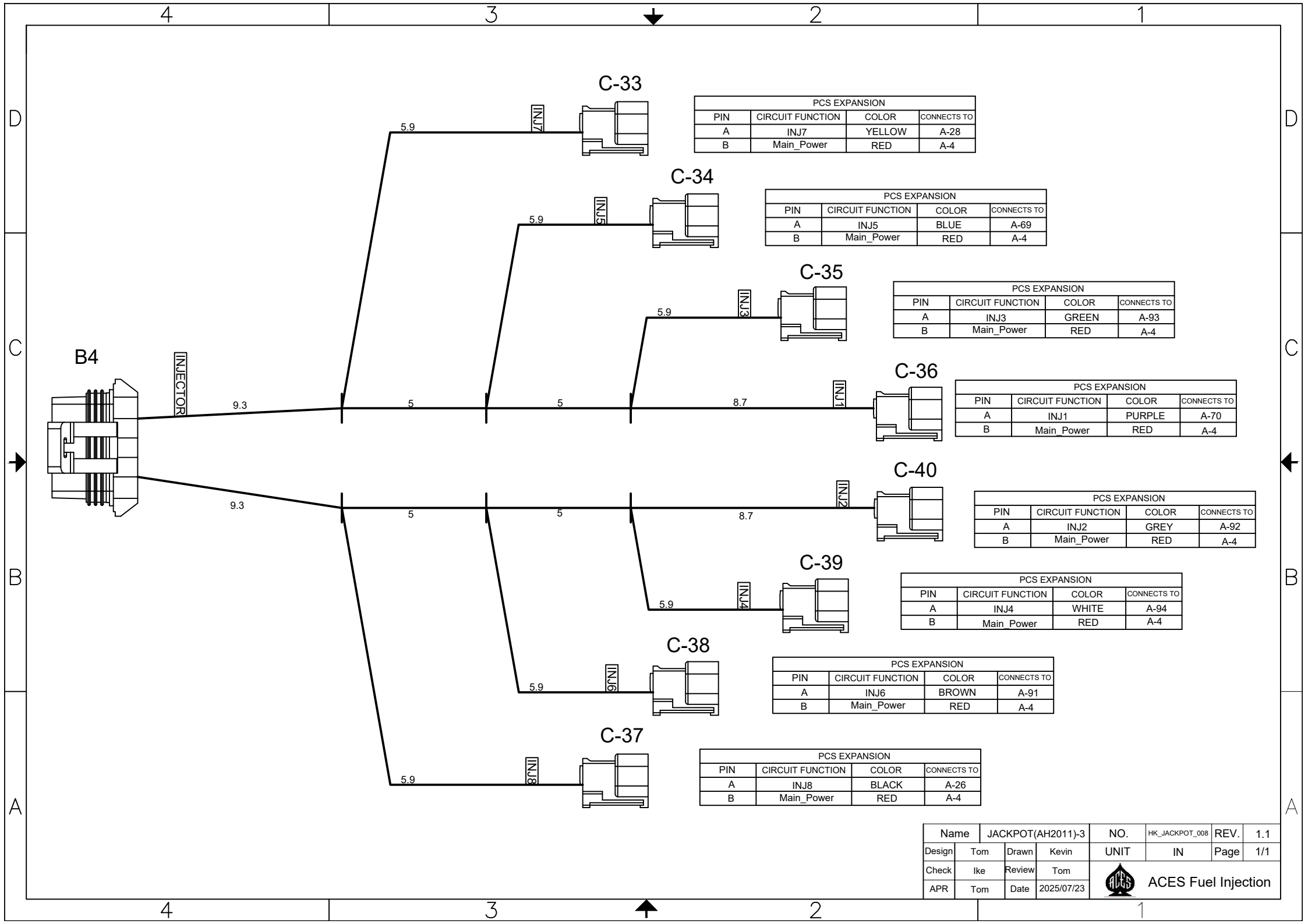
PIN	AWG	COLOR
K	16	RED
J	16	RED
H	18	BLACK
G	18	YELLOW
F	18	BROWN
E	18	BLUE
D	18	WHITE
C	18	GREEN
B	18	GREY
A	18	PURPLE

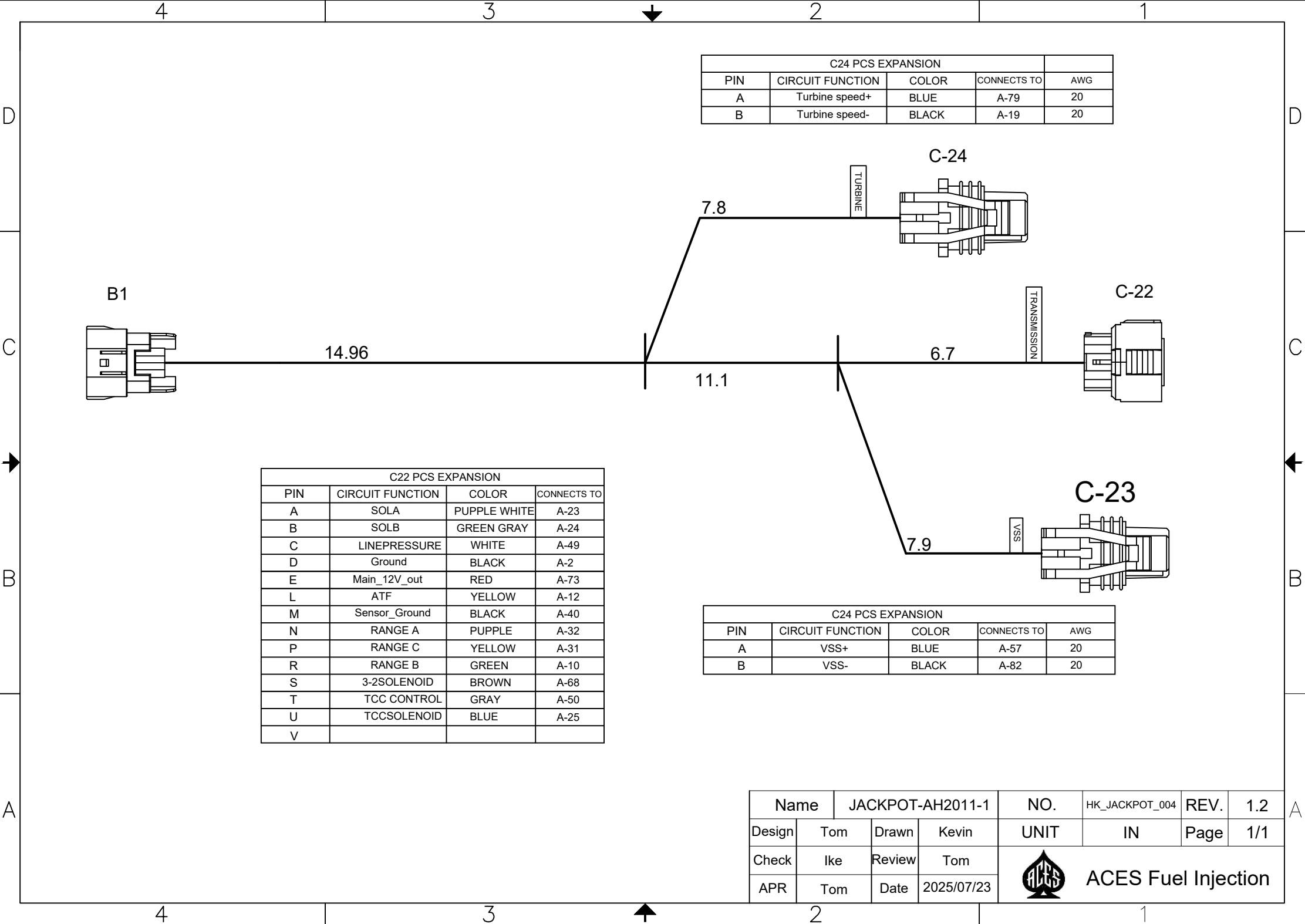


B4 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	12045808	
2	PINS	12059894	20AWG

C33-40 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	15305086	
2	PINS	12084200	20AWG

Name		JACKPOT(AH2011)-3		NO.	HK_JACKPOT_007	REV.	1.1
Design	Tom	Drawn	Kevin	UNIT	IN	Page	1/1
Check	Ike	Review	Tom	 ACES Fuel Injection			
APR	Tom	Date	2025/07/23				





C24 PCS EXPANSION				
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO	AWG
A	Turbine speed+	BLUE	A-79	20
B	Turbine speed-	BLACK	A-19	20

C22 PCS EXPANSION			
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO
A	SOLA	PUPPLE WHITE	A-23
B	SOLB	GREEN GRAY	A-24
C	LINEPRESSURE	WHITE	A-49
D	Ground	BLACK	A-2
E	Main_12V_out	RED	A-73
L	ATF	YELLOW	A-12
M	Sensor_Ground	BLACK	A-40
N	RANGE A	PUPPLE	A-32
P	RANGE C	YELLOW	A-31
R	RANGE B	GREEN	A-10
S	3-2SOLENOID	BROWN	A-68
T	TCC CONTROL	GRAY	A-50
U	TCCSOLENOID	BLUE	A-25
V			

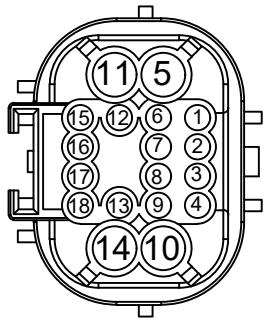
C24 PCS EXPANSION				
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO	AWG
A	VSS+	BLUE	A-57	20
B	VSS-	BLACK	A-82	20

Name		JACKPOT-AH2011-1		NO.	HK_JACKPOT_004	REV.	1.2
Design	Tom	Drawn	Kevin	UNIT	IN	Page	1/1
Check	Ike	Review	Tom	 ACES Fuel Injection			
APR	Tom	Date	2025/07/23				

C23/24 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	15449028	
2	PINS	12191819	20AWG

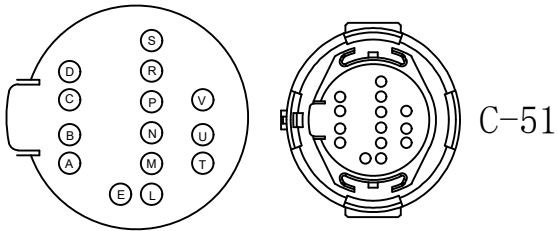
C51 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	13603422	
2	PINS	3-1447221-4	20AWG

B1 PCS EXPANSION			
QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	6188-5910	
2	PINS		20AWG
3	PINS		18AWG



	PIN	AWG	COLOR
TRANSMISSION	1	18	RED
	2	18	BLACK
	3	20	BLUE
	4	20	BLUE
	5	20	BLACK
	6	20	YELLOW
	7	20	BLACK
	8	20	PURPLE WHITE
	9	20	GREEN GRAY
	10	20	WHITE
	11	20	PURPLE
	12	20	GREEN
	13	20	YELLOW
	14	20	BROWN
	15	20	GRAY
	16	20	BLUE
	17	20	BLACK
	18		

Main 12V out
Ground
VSS+
Turbine speed+
VSS-
ATF
Sensor Ground
SOL A
SOL B
LINEPRESSURE
Range A
Range B
Range C
3-2SOLENOID
TCC CONTROL
TCCSOLENOID
Turbine speed-

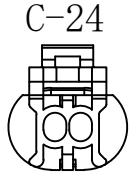


TRANSMISSION															
A	B	C	D	E	K	L	M	N	P	R	S	T	U	V	
A23	A24	A49	A2	A73		A12	A40	A32	A31	A10	A68	A50	A25		

SHIFT SOL A(1-2)
SHIFT SOL B(2-3)
LINE PRESSURE+
LINE PRESSURE GROUND
TCC, 1-2, 2-3, 3-2
ATF TEMPERATURE
ATF TEMP-
RANGE A
RANGE C
RANGE B
3-2 SOLENOID
TCC CONTROL
TCC SOLENOID



VSS	
A	B
A57	A82



TURBINE	
A	B
A79	A19

Name		JACKPOT-AH2011-1		NO.	HK_JACKPOT_003	REV.	1.2
Design	Tom	Drawn	Kevin	UNIT	IN	Page	1/1
Check	Ike	Review	Tom	 ACES Fuel Injection			
APR	Tom	Date	2025/07/23				