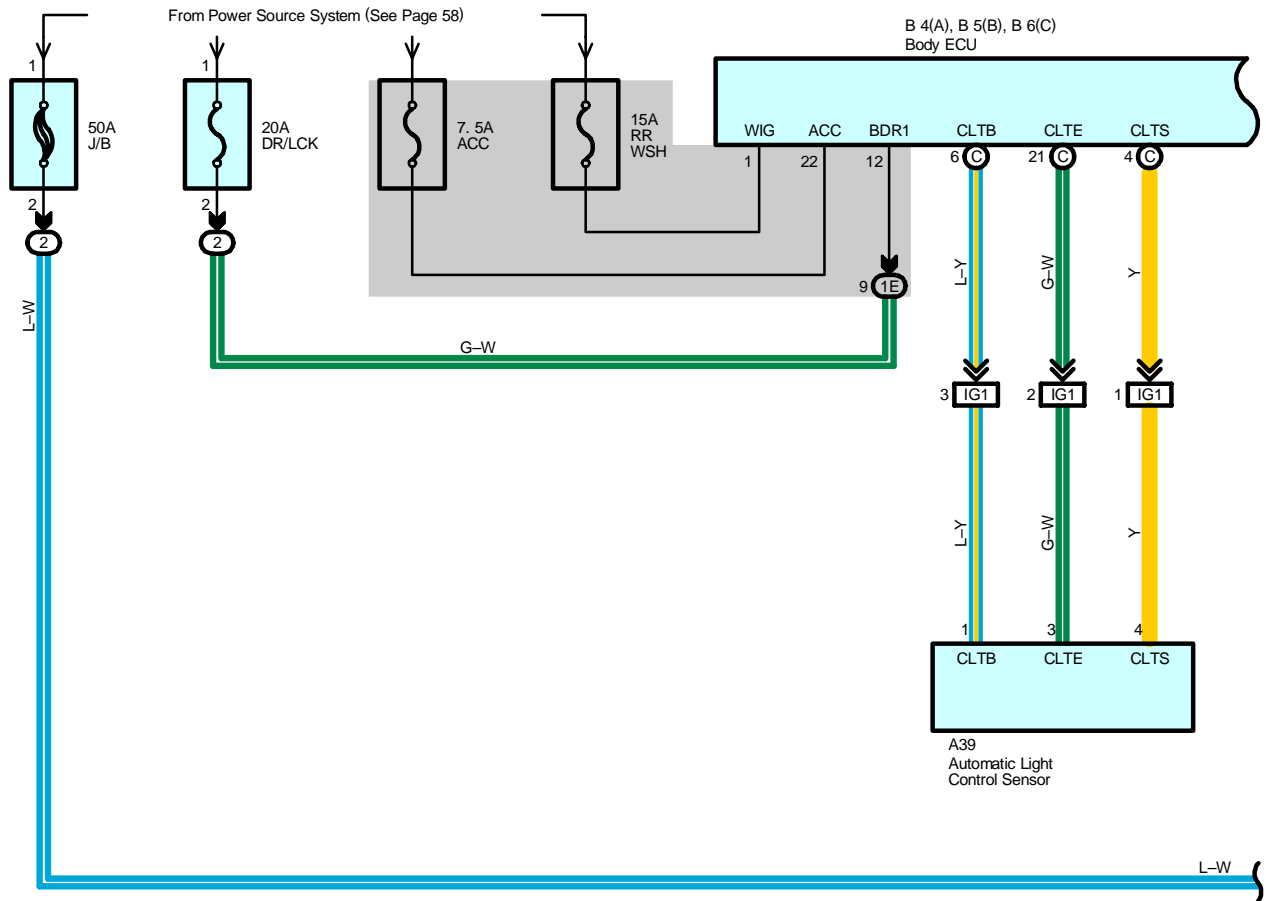
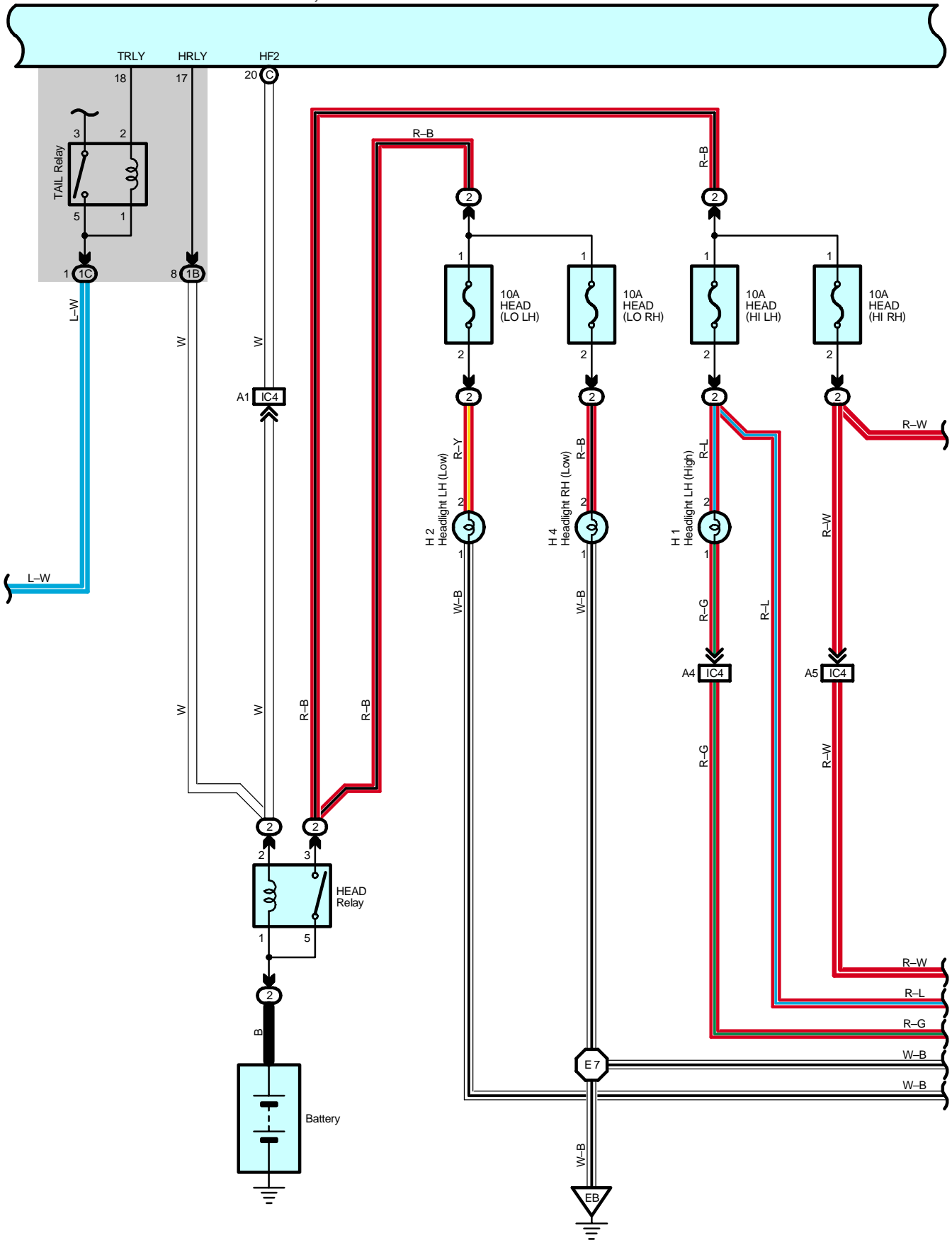


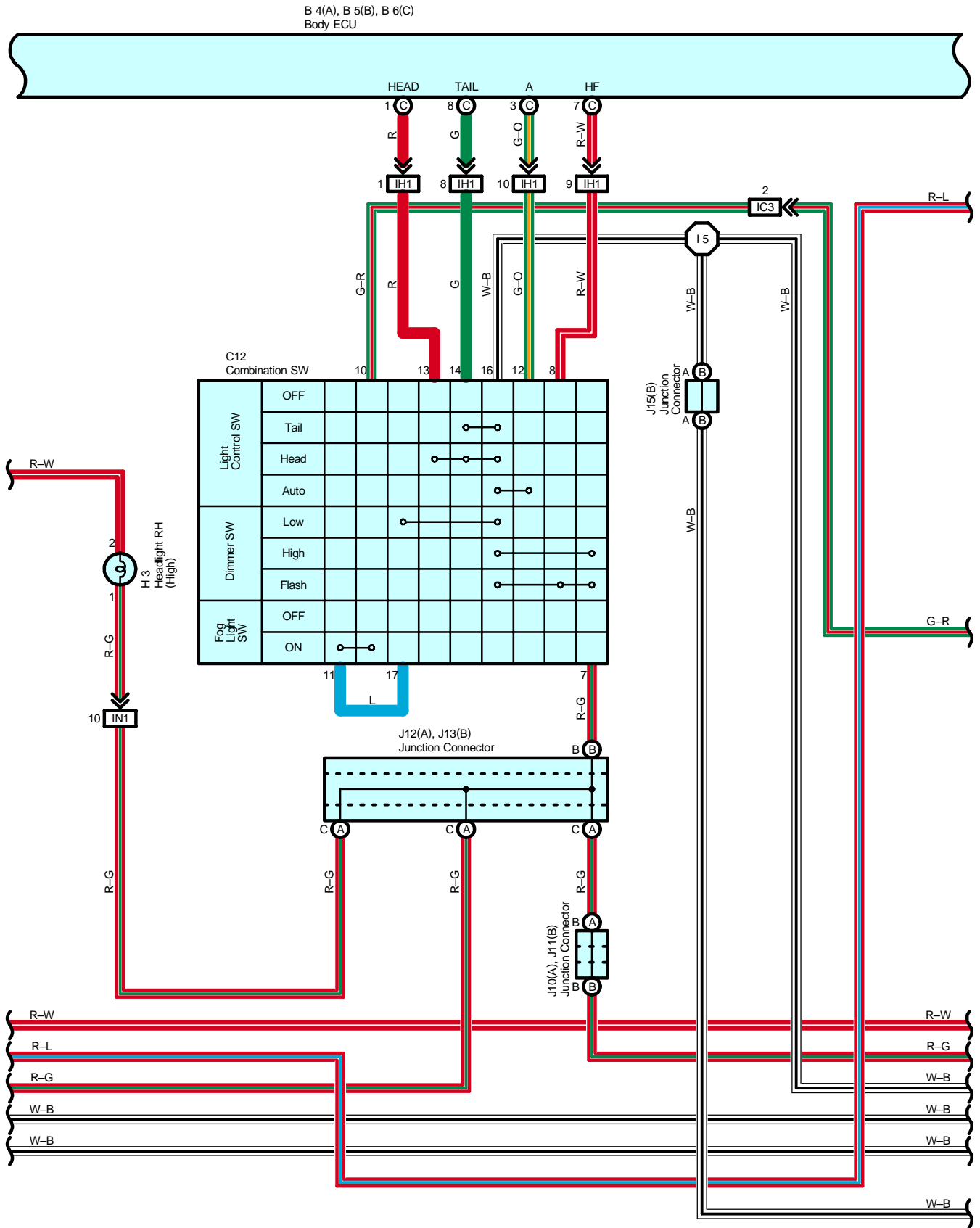
# Multiplex Communication System



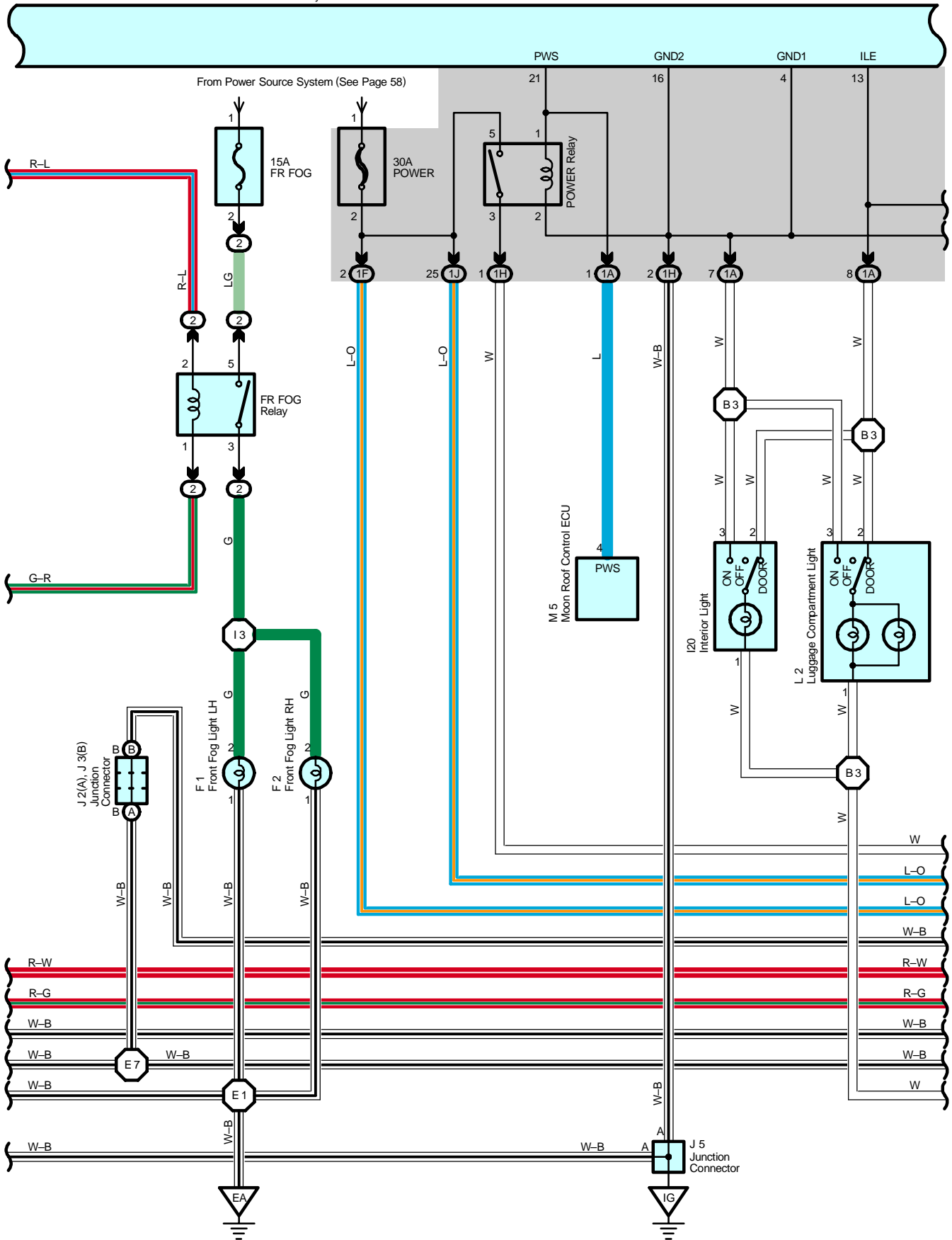
B 4(A), B 5(B), B 6(C)  
Body ECU



# Multiplex Communication System

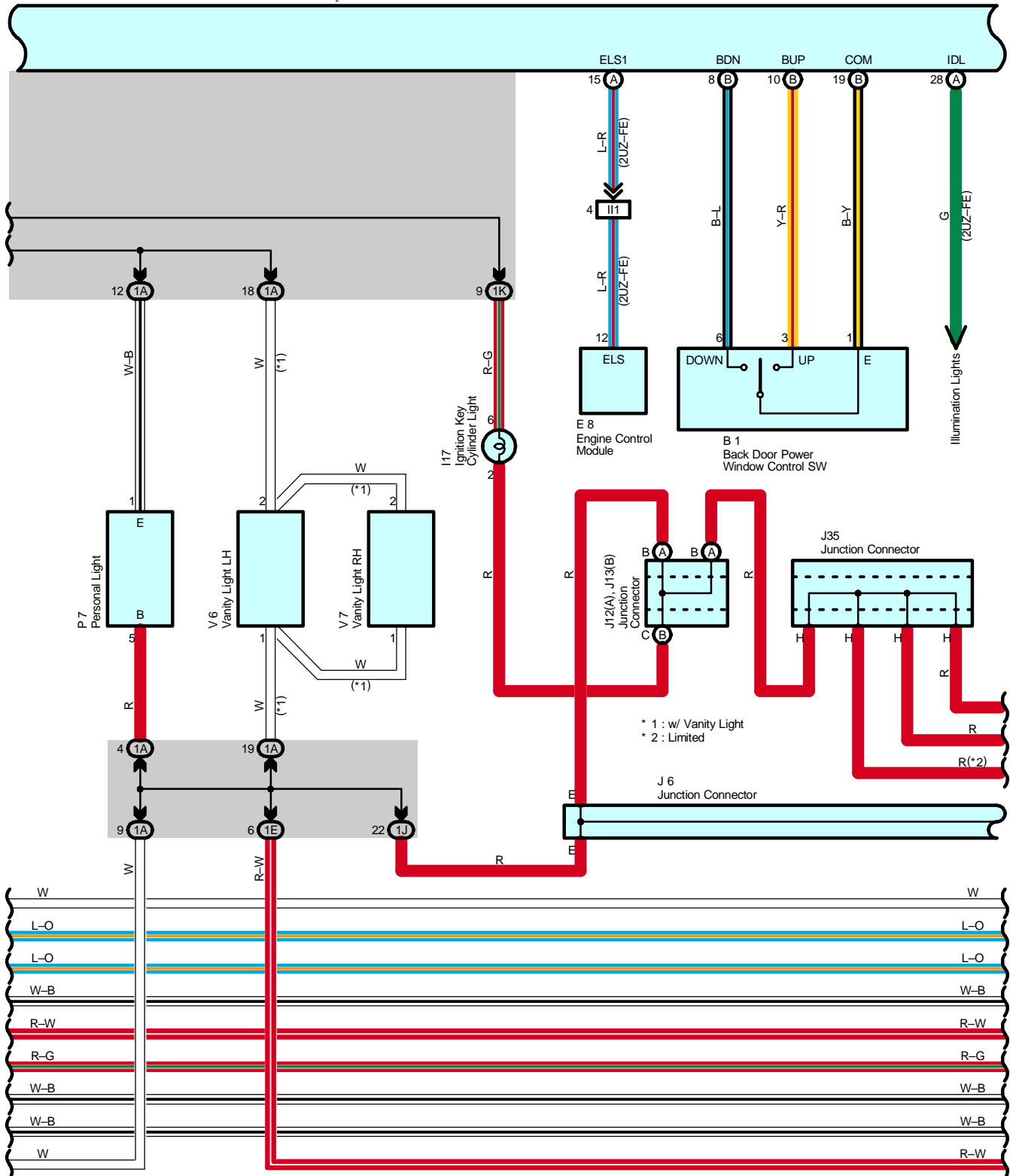


B 4(A), B 5(B), B 6(C)  
Body ECU

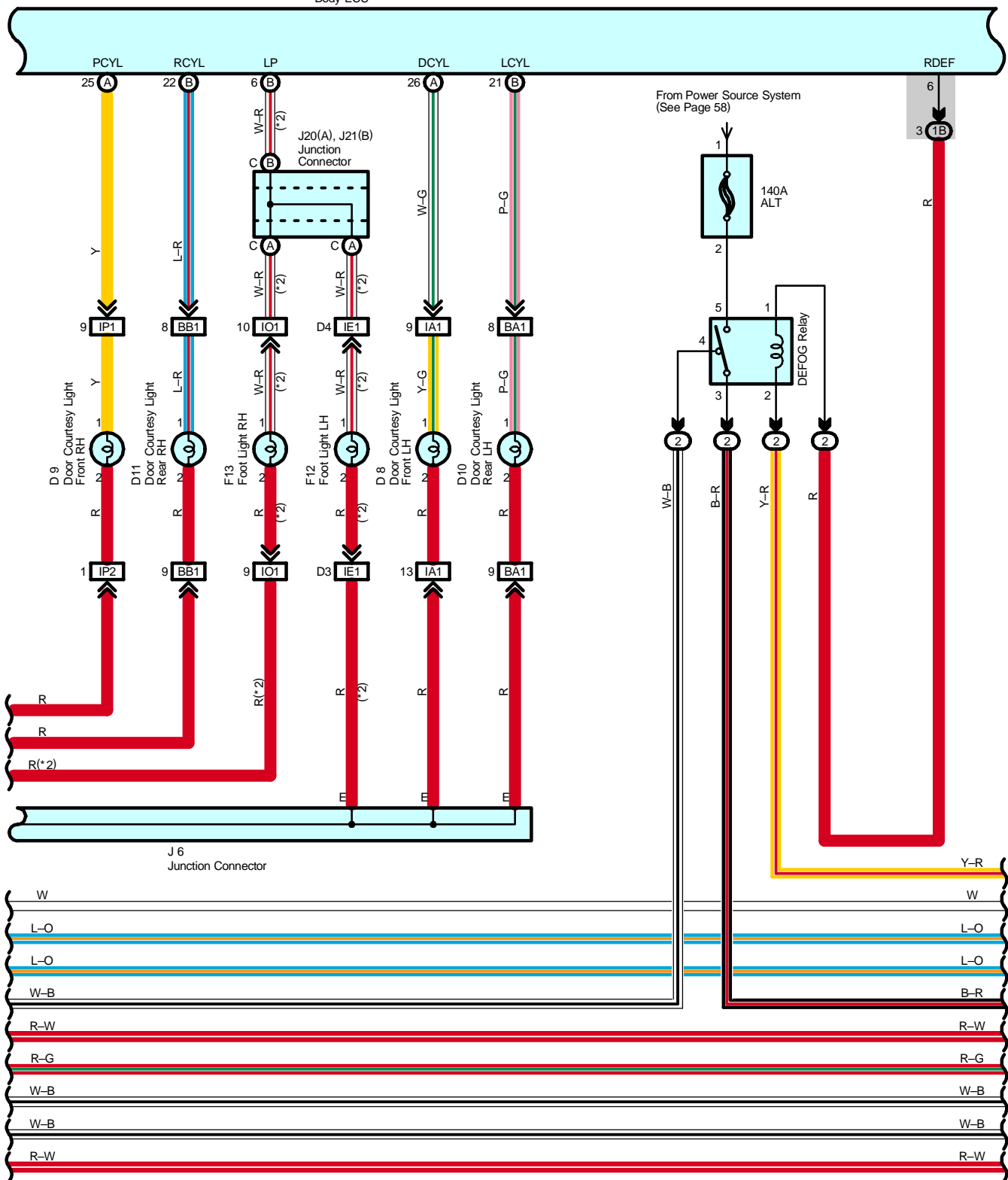


# Multiplex Communication System

B 4(A), B 5(B), B 6(C)  
Body ECU

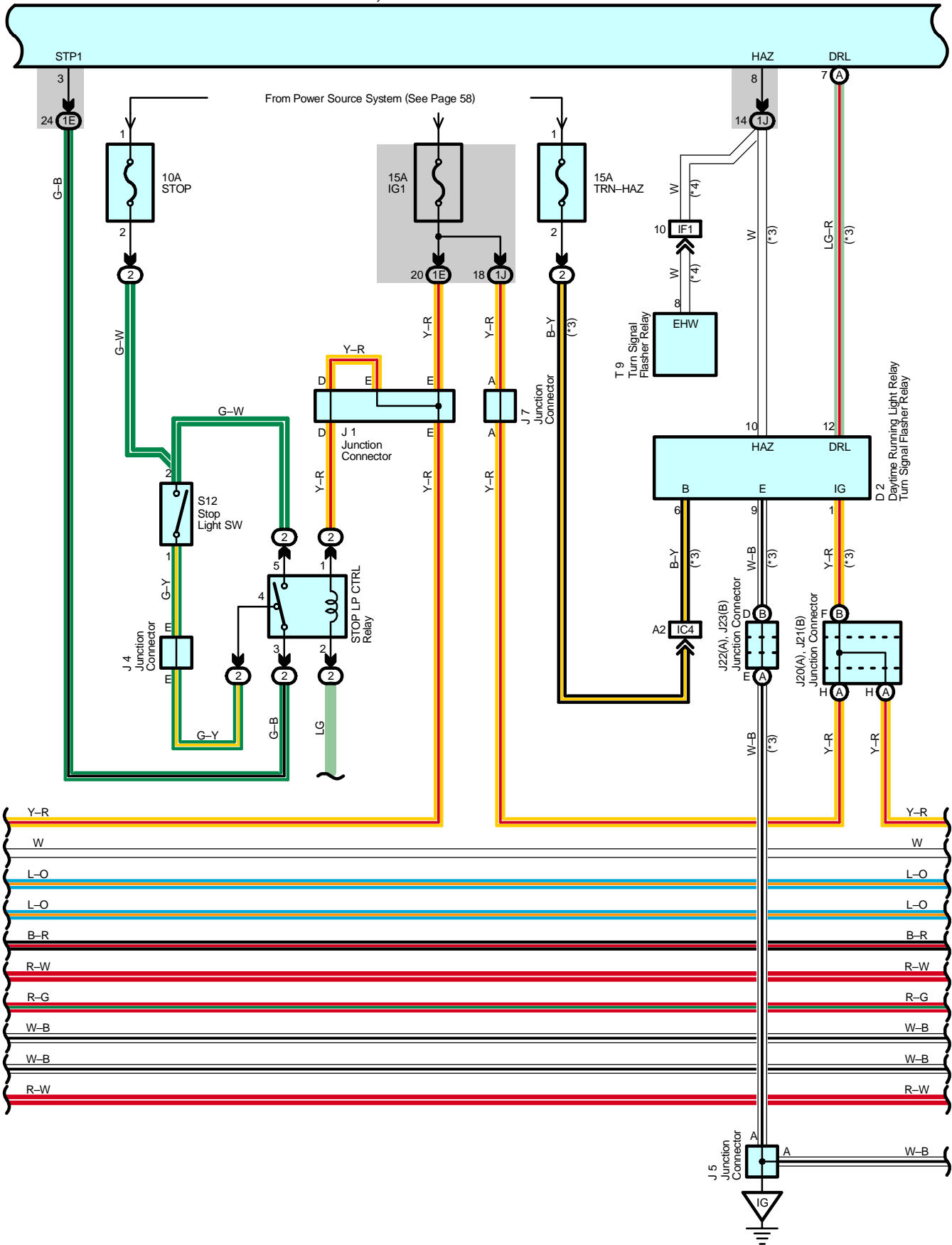


B 4(A), B 5(B), B 6(C)  
Body ECU



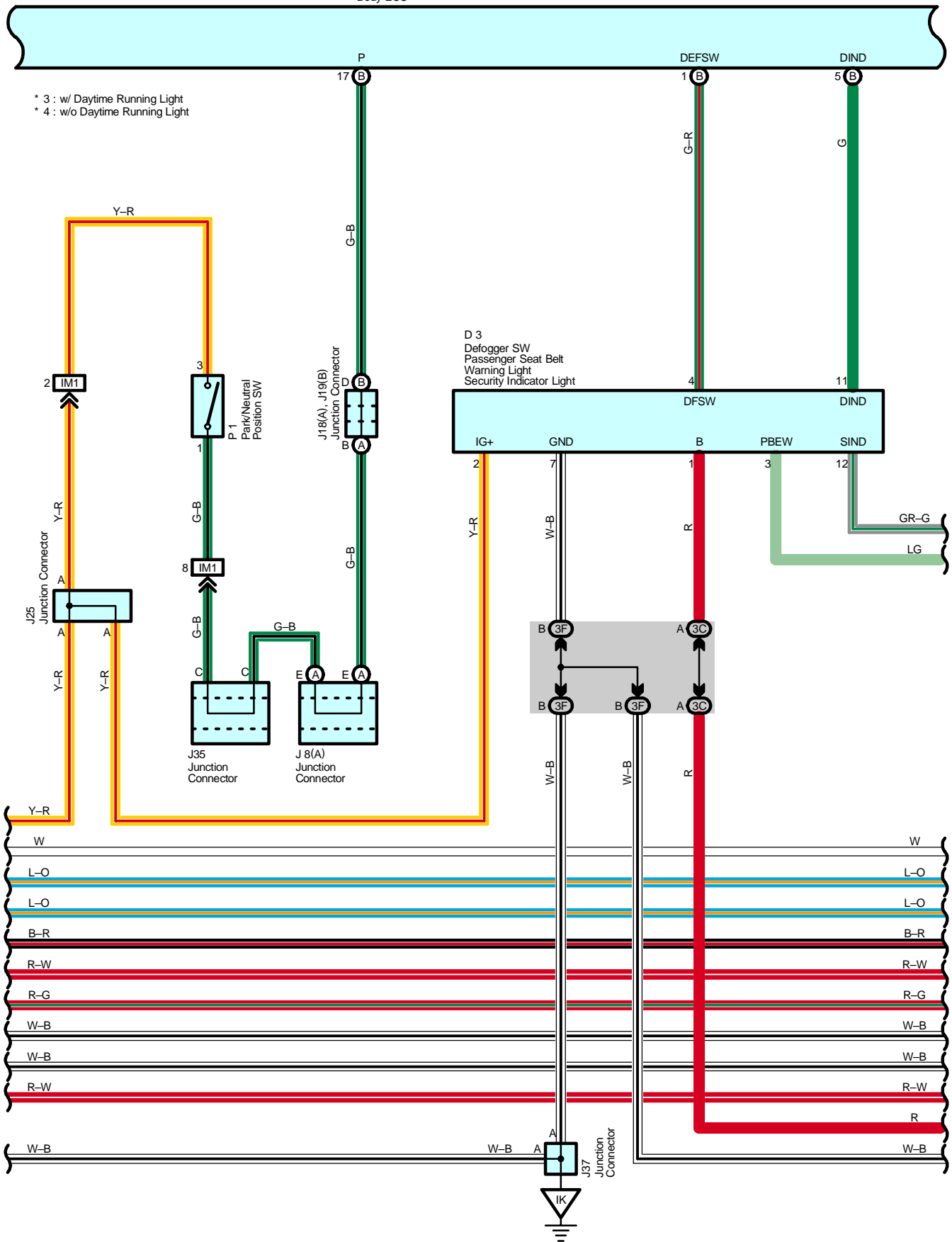
# Multiplex Communication System

B 4(A), B 5(B), B 6(C)  
Body ECU



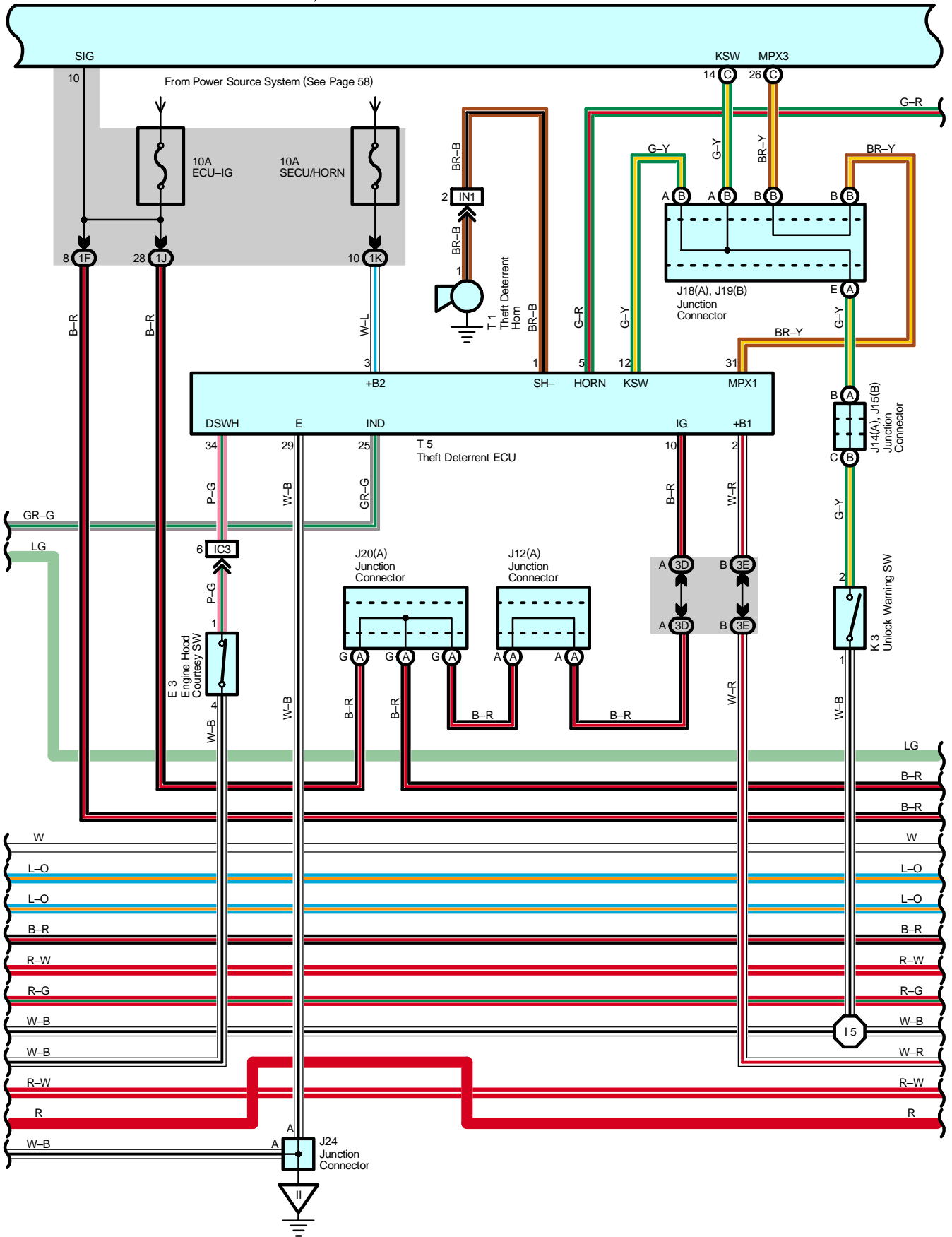
B 4(A), B 5(B), B 6(C)  
Body ECU

- \* 3 : w/ Daytime Running Light
- \* 4 : w/o Daytime Running Light

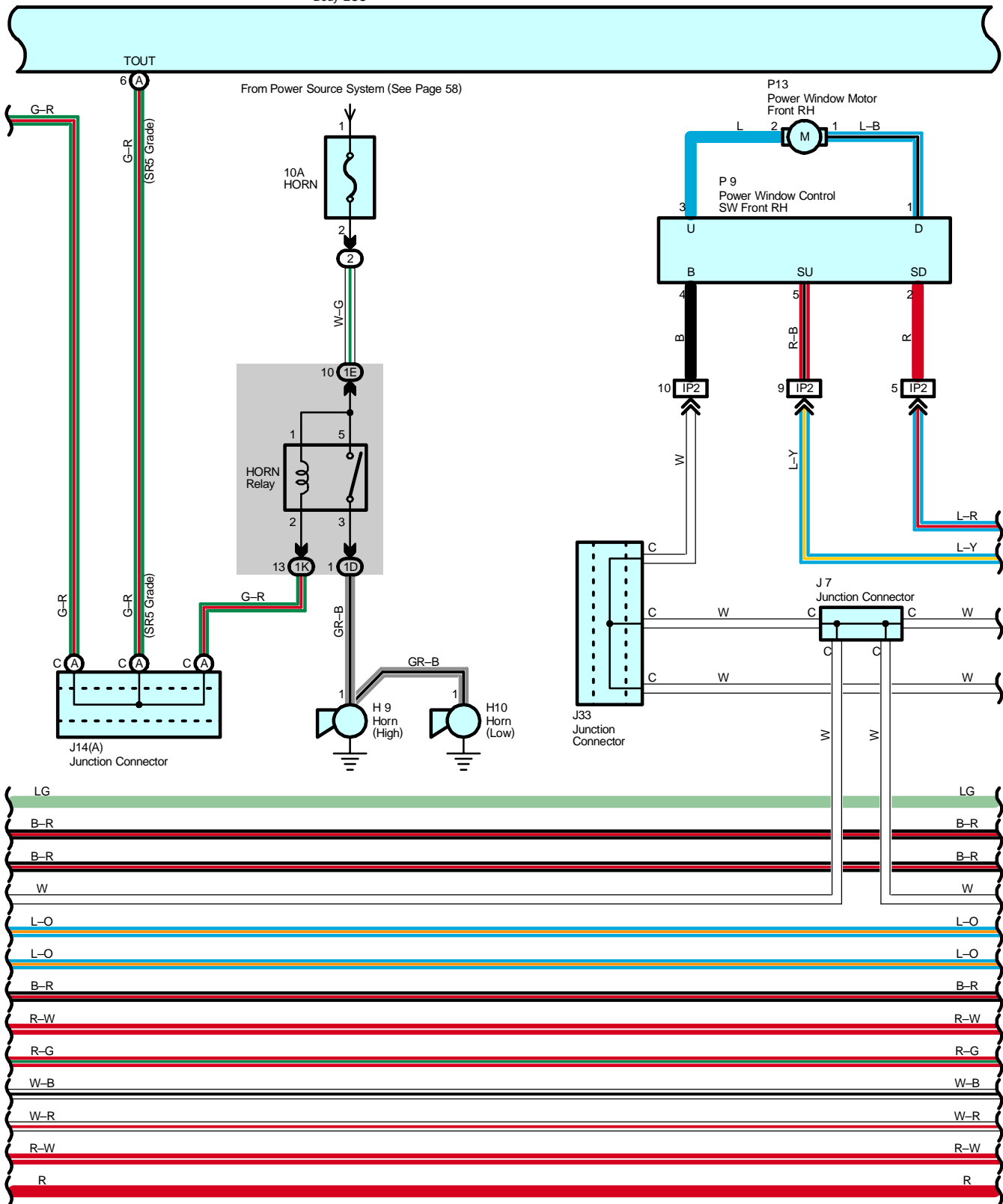


# Multiplex Communication System

B 4(A), B 5(B), B 6(C)  
Body ECU



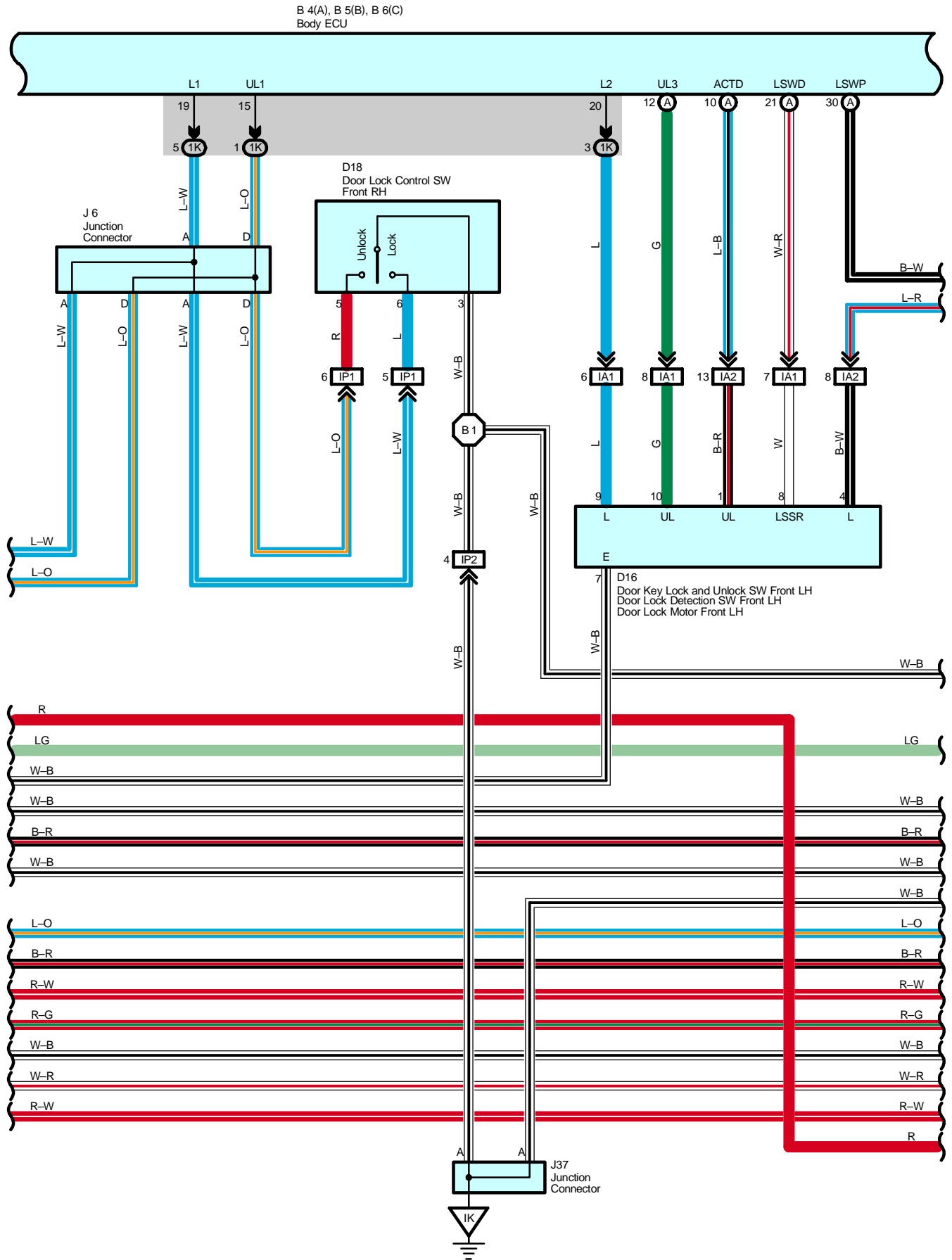
B 4(A), B 5(B), B 6(C)  
Body ECU



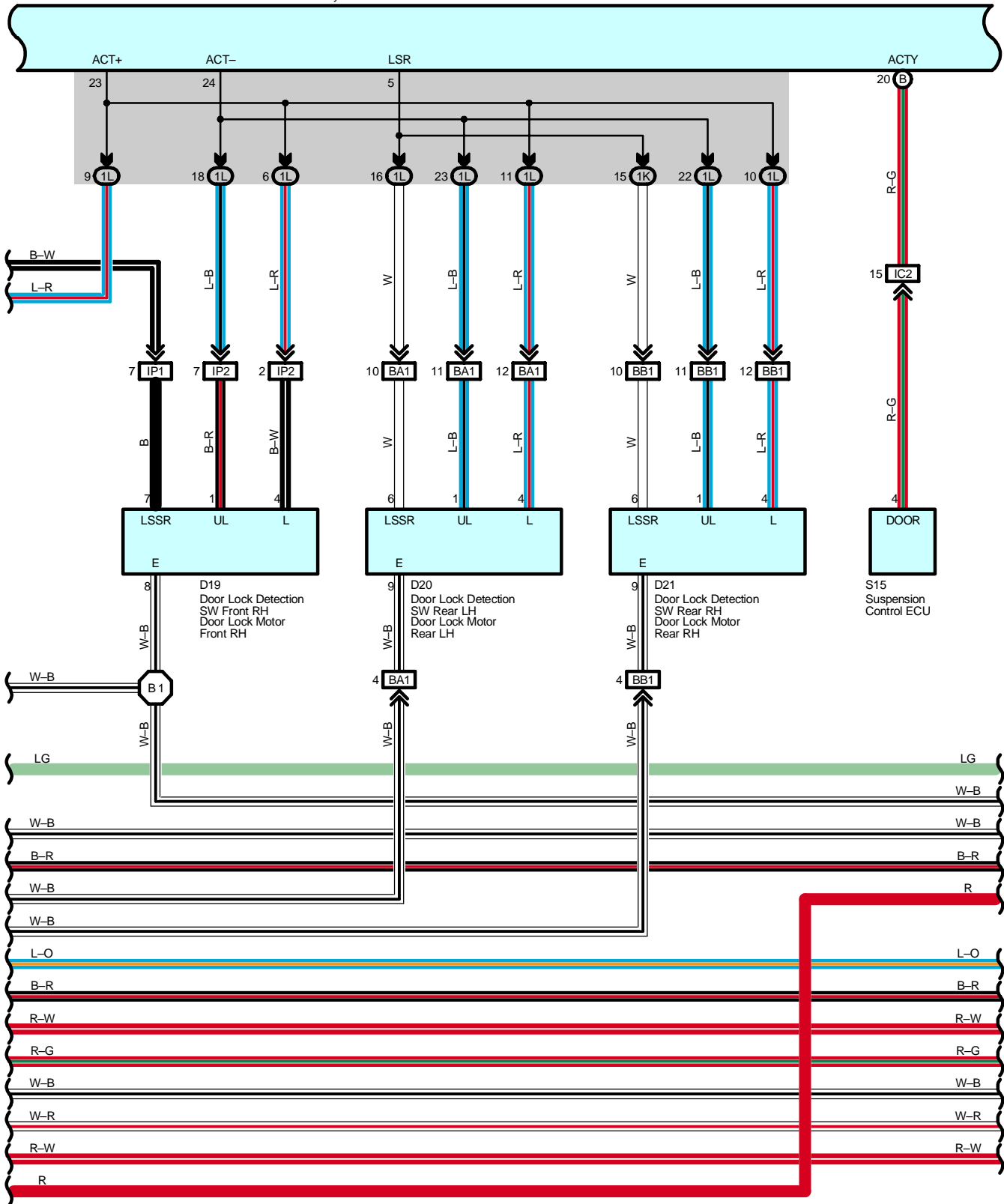




# Multiplex Communication System

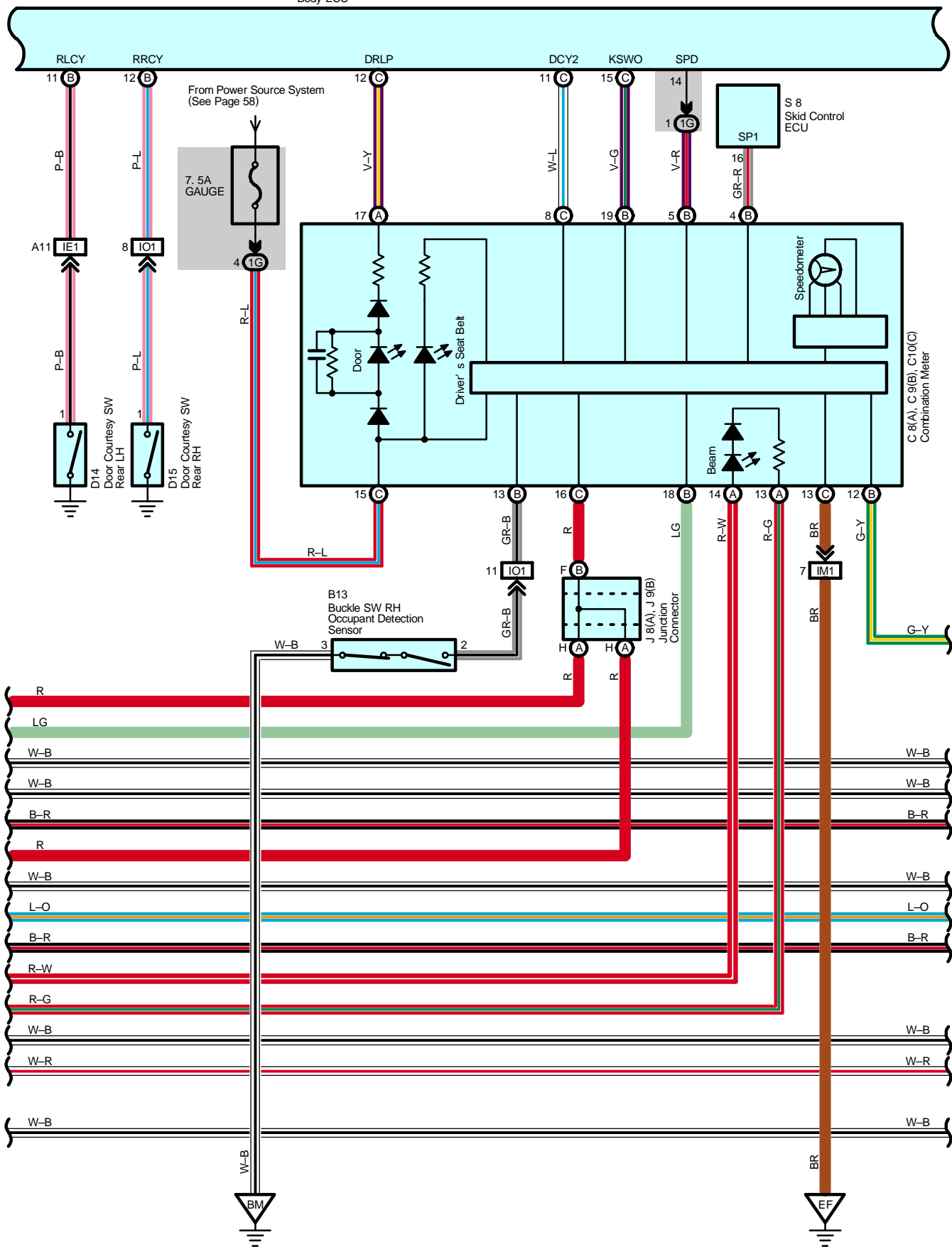


B 4(A), B 5(B), B 6(C)  
Body ECU



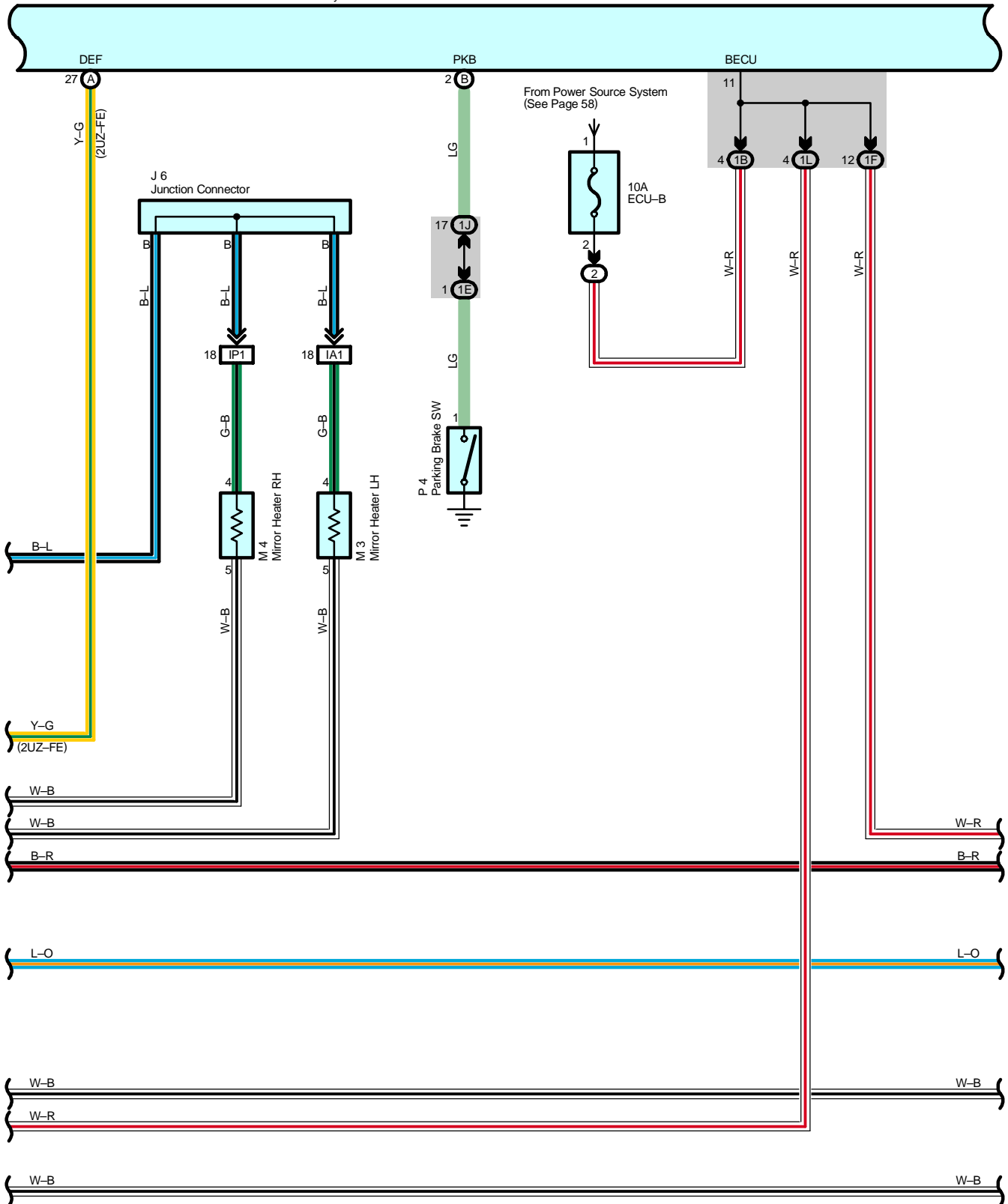


B 4(A), B 5(B), B 6(C)  
Body ECU

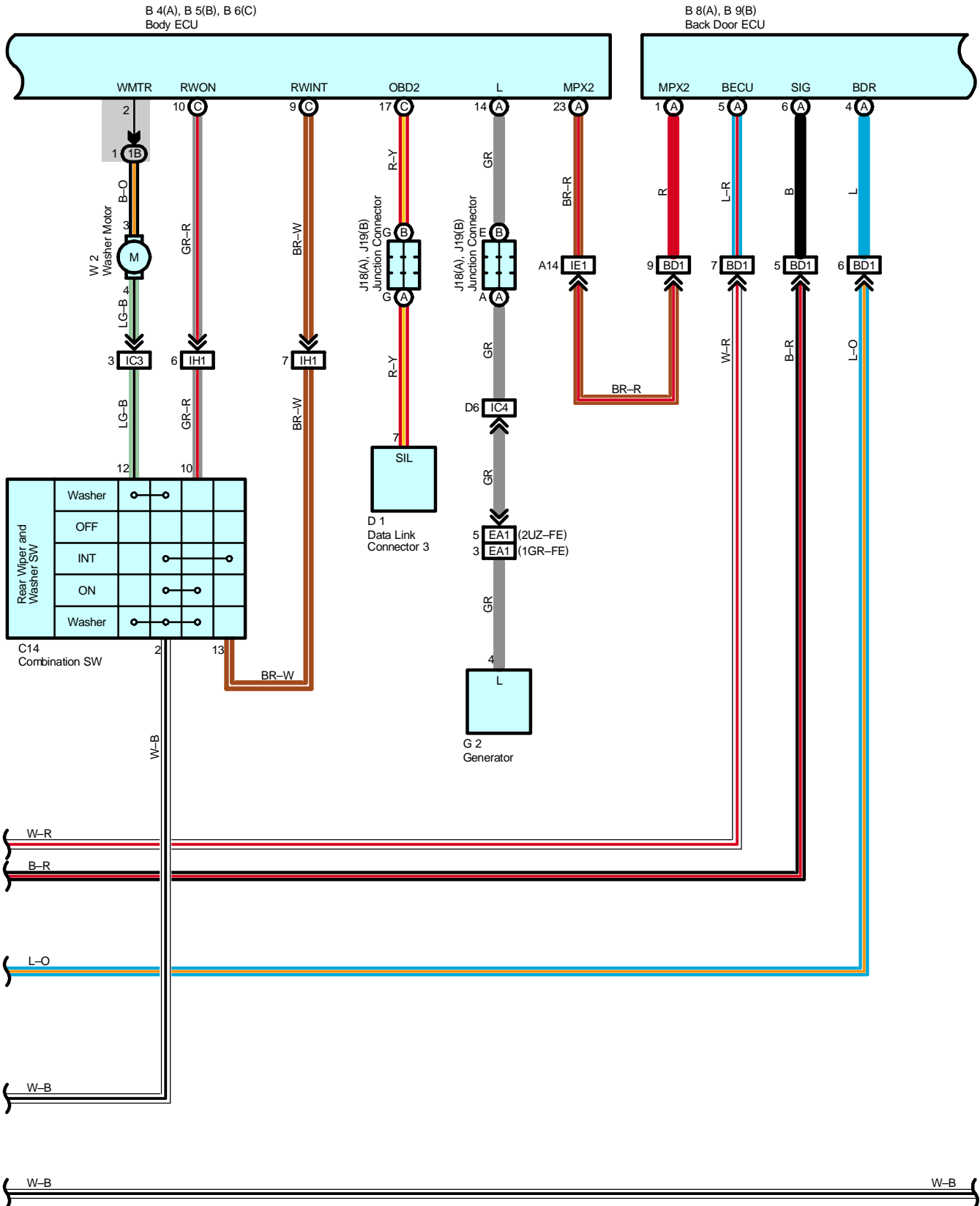




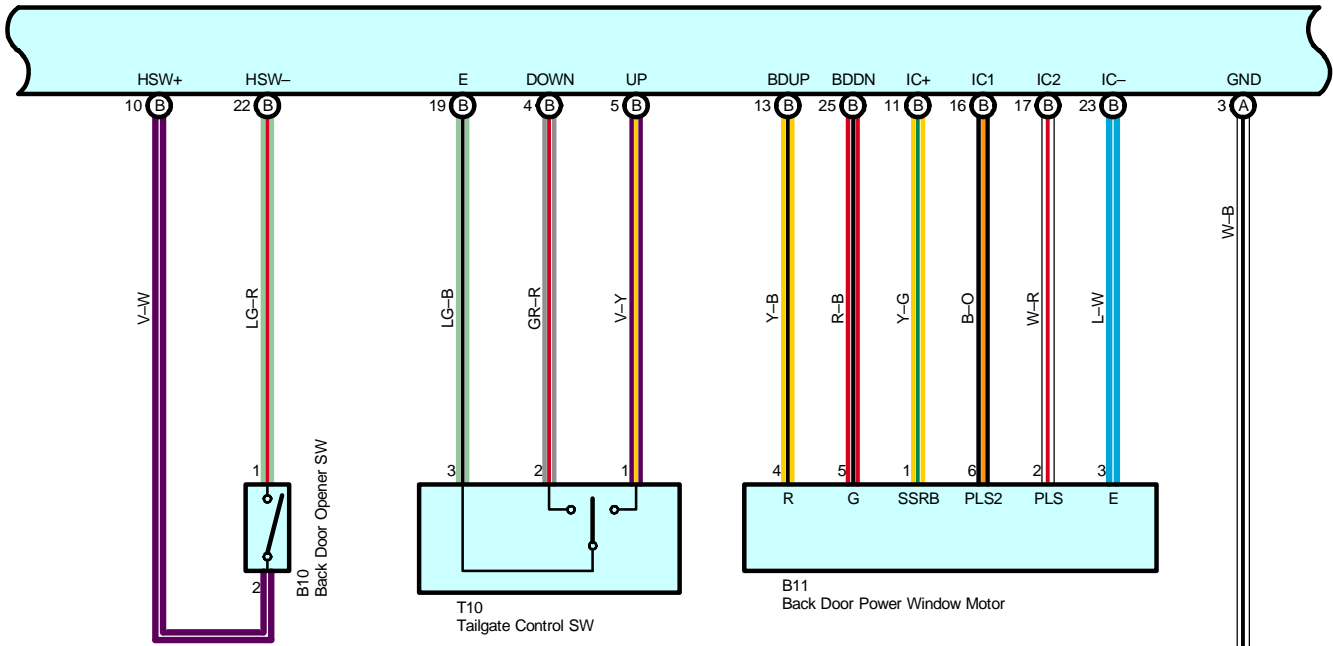
B 4(A), B 5(B), B 6(C)  
Body ECU



# Multiplex Communication System

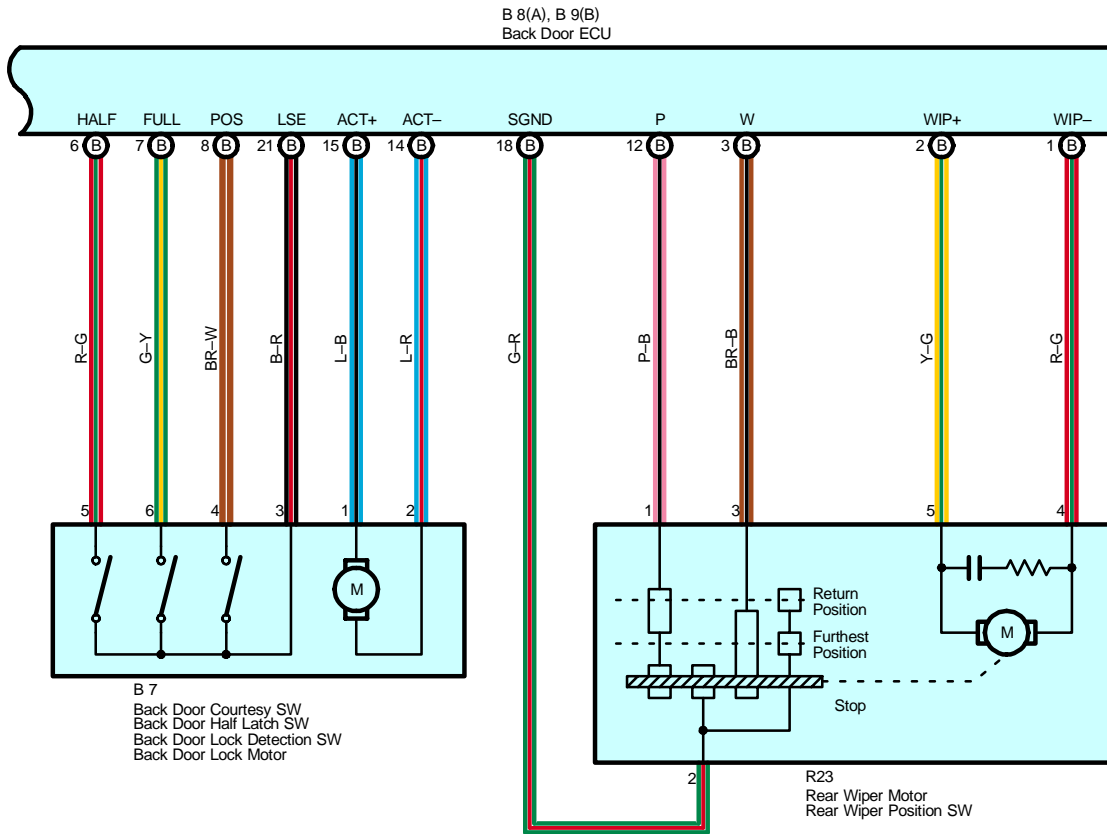


B 8(A), B 9(B)  
Back Door ECU



W-B

# Multiplex Communication System



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## System Outline

### Communication Outline

Communication is made among the body, theft deterrent and back door ECUs.

When the ECU receives a signal from related switches, i.e., the rear wiper SW, the body ECU sends signals to the back door ECU, and moves rear wiper.

For details, please refer to the new car features and/or the repair manual.

## Service Hints

### Body ECU

22–Ground : Approx. 12 volts with ignition SW at ACC or ON position

11, 12–Ground : Always approx. 12 volts

1, 10–Ground : Approx. 12 volts with ignition SW at ON position

4, 16–Ground : Always continuity

### B8 (A) Back Door ECU

(A) 4, (A) 5–Ground : Always approx. 12 volts

(A) 6–Ground : Approx. 12 volts with ignition SW at ON position

(A) 3–Ground : Always continuity

### T5 Theft Deterrent ECU

2, 3–Ground : Always approx. 12 volts

10–Ground : Approx. 12 volts with ignition SW at ON position

29–Ground : Always continuity

# Multiplex Communication System

## ○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A39	36	F13	40	J31   A	38
B1	36	G2	32 (2UZ-FE)	J32   B	38
B4   A	36		34 (1GR-FE)	J33	38
B5   B	36	H1	32 (2UZ-FE)	J35	38
B6   C	36		34 (1GR-FE)	J37	38
B7	40	H2	32 (2UZ-FE)	J38	40
B8   A	40		34 (1GR-FE)	J40   A	40
B9   B	40	H3	32 (2UZ-FE)	J41   B	40
B10	40		34 (1GR-FE)	K3	39
B11	40	H4	32 (2UZ-FE)	L2	40
B12	42		34 (1GR-FE)	M3	41
B13	42	H9	32 (2UZ-FE)	M4	41
C8   A	37		34 (1GR-FE)	M5	41
C9   B	37	H10	32 (2UZ-FE)	P1	33 (2UZ-FE)
C10   C	37		34 (1GR-FE)		35 (1GR-FE)
C12	37	I17	37	P4	39
C14	37	I20	40	P7	41
D1	37	J1	33 (2UZ-FE)	P9	41
D2	37		35 (1GR-FE)	P10	41
D3	37	J2   A	33 (2UZ-FE)	P11	41
D7	40		35 (1GR-FE)	P12	41
D8	40	J3   B	33 (2UZ-FE)	P13	41
D9	40		35 (1GR-FE)	P14	41
D10	40	J4	38	P15	41
D11	40	J5	38	R21   A	41
D12	40	J6	38	R22   B	41
D13	40	J7	38	R23	41
D14	40	J8   A	38	S8	39
D15	40	J9   B	38	S12	39
D16	40	J10   A	38	S15	39
D17	40	J11   B	38	T1	33 (2UZ-FE)
D18	40	J12   A	38		35 (1GR-FE)
D19	40	J13   B	38	T5	39
D20	40	J14   A	38	T9	39
D21	40	J15   B	38	T10	41
E3	32 (2UZ-FE)	J18   A	38	V6	41
	34 (1GR-FE)	J19   B	38	V7	41
E8	37	J20   A	38	W2	33 (2UZ-FE)
F1	32 (2UZ-FE)	J21   B	38		35 (1GR-FE)
	34 (1GR-FE)	J22   A	38	W3	33 (2UZ-FE)
F2	32 (2UZ-FE)	J23   B	38		35 (1GR-FE)
	34 (1GR-FE)	J24	38		
F12	40	J25	38		

## ○ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	22	Engine Room R/B (Engine Compartment Left)

 : **Junction Block and Wire Harness Connector**

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	24	Roof Wire and Driver Side J/B (Lower Finish Panel)
1B	24	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
1C		
1D		
1E		
1F		
1G	24	Floor No.2 Wire and Driver Side J/B (Lower Finish Panel)
1H	25	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
1J		
1K		
1L		
3C		
3D	28	Instrument Panel Wire and Center J/B (Instrument Panel Brace RH)
3E		
3F		

 : **Connector Joining Wire Harness and Wire Harness**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	44 (2UZ-FE)	Engine No.2 Wire and Engine Room Main Wire (Under the Engine Room R/B)
	46 (1GR-FE)	
IA1	48	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2		
IC2	48	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
IC3		
IC4		
IE1	50	Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)
IF1	50	Instrument Panel Wire and Relay Wire (Behind the Instrument Panel J/B)
IG1	50	Instrument Panel No.2 Wire and Instrument Panel Wire (Behind the Combination Meter)
IH1	50	Instrument Panel Wire and Instrument Panel Wire (Behind the Combination Meter)
II1	50	Instrument Panel Wire and Instrument Panel Wire (Instrument Panel Brace LH)
IM1	52	Engine Wire and Instrument Panel Wire (Right Side of Blower Unit)
IN1	52	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)
IO1	52	Instrument Panel Wire and Floor Wire (Right Kick Panel)
IP1	52	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IP2		
BA1	54	Rear Door No.2 Wire and Instrument Panel Wire (Left Center Pillar)
BB1	54	Rear Door No.1 Wire and Instrument Panel Wire (Right Center Pillar)
BD1	54	Back Door No.1 Wire and Floor No.2 Wire (Left Rear Side of Roof)
BH1	54	Back Door No.1 Wire and Back Door No.2 Wire (Left Side of Back Door)

# Multiplex Communication System

## : Ground Points

Code	See Page	Ground Points Location
EA	<a href="#">44 (2UZ-FE)</a>	Front Right Fender
	<a href="#">46 (1GR-FE)</a>	
EB	<a href="#">44 (2UZ-FE)</a>	Front Left Fender
	<a href="#">46 (1GR-FE)</a>	
EF	<a href="#">44 (2UZ-FE)</a>	Rear Side of Left Bank Cylinder Block
	<a href="#">46 (1GR-FE)</a>	
IG	<a href="#">48</a>	Left Kick Panel
II	<a href="#">48</a>	Instrument Panel Brace RH
IK	<a href="#">48</a>	Right Kick Panel
BL	<a href="#">54</a>	Floor Seat Crossmember LH
BM	<a href="#">54</a>	Floor Seat Crossmember RH
BO	<a href="#">54</a>	Rear Pillar LH

## : Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	<a href="#">44 (2UZ-FE)</a>	Engine Room Main Wire	I5	<a href="#">50</a>	Instrument Panel Wire
	<a href="#">46 (1GR-FE)</a>		B1	<a href="#">54</a>	Front Door RH Wire
E7	<a href="#">44 (2UZ-FE)</a>		B3	<a href="#">54</a>	Roof Wire
	<a href="#">46 (1GR-FE)</a>		B6	<a href="#">54</a>	Back Door No.1 Wire
I3	<a href="#">50</a>				

