

Pin	Circuit	Gauge	Circuit Function	Notes
SYNC 4 APIM CONNECTOR				
1	SBPxx (WHRD)	20	FUSE OR CIRCUIT BREAKER - Fuse Location is Vehicle Dependant	
2			Not Used	
3	VME80 (VTGN)	22	CTRL MOD. - MULTIMEDIA GATEWAY MODULE # ALERT 1 (+)	
4	RME80 (BUGY)	22	CTRL MOD. - MULTIMEDIA GATEWAY MODULE # ALERT 1 (-)	
5			Not Used	
6			Not Used	
7			Not Used	
8	LME89 (YEBU)	22	CTRL MOD. - MEDIA CONNECTIVITY POWER (+)	
9			Not Used	
10			Not Used	
11			Not Used	
12	VMM13 (YEGN)	22	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # MICROPHONE PHONE/VOICE CONTROL +	
13	RMM13 (BU)	22	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # MICROPHONE PHONE/VOICE CONTROL -	
14	VMP19 (WHGN)	22	CAMERA - PARKING AID REAR VIDEO +	Without 360 Camera
15	RMP19 (BUGY)	22	CAMERA - PARKING AID REAR VIDEO -	Without 360 Camera
16			Not Used	
17			Not Used	
18			Not Used	
19	VDB29 (GNBU)	22	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED 3 (LOWER) HIGH (HS3-CAN)	
20	VDB30 (WHGN)	22	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED 3 (LOWER) LOW (HS3-CAN)	
21	DME80 (*)	20	CTRL MOD. - MULTIMEDIA GATEWAY MODULE # ALERT 1 DRAIN/SHIELD	
22	DME52 (*)	20	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # AUDIO [SATELLITE DIGITAL RADIO] DRAIN/SHIELD	
23	VME52 (BU)	22	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # AUDIO [SATELLITE DIGITAL RADIO] LEFT +	
24	RME52 (GYOG)	22	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # AUDIO [SATELLITE DIGITAL RADIO] LEFT -	
25	VME53 (VTGN)	22	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # AUDIO [SATELLITE DIGITAL RADIO] RIGHT +	
26	RME53 (BNWH)	22	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # AUDIO [SATELLITE DIGITAL RADIO] RIGHT -	
27	VMEG1 (GYVT)	22	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # DRDL_TX_+ (SATELLITE DIGITAL RADIO DATA LINK)	
28	VMEG2 (YEOG)	22	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # DRDL_TX_- (SATELLITE DIGITAL RADIO DATA LINK)	
29			Not Used	
30			Not Used	
31	DMM13 (*)	20	MICROPHONE - PHONE/VOICE CONTROL DRAIN/SHIELD	
32			Not Used	
33	DMP19 (*)	20	CAMERA - PARKING AID REAR VIDEO DRAIN/SHIELD	
34			Not Used	
35			Not Used	
36			Not Used	
37	GD215 (BKGY)	20	GROUND - INSTRUMENT PANEL STRUCTURE # 2ND POINT	
38	RME89 (WHBU)	22	CTRL MOD. - MEDIA CONNECTIVITY GROUND (-)	
39			Not Used	
40			Not Used	
41			Not Used	
42			Not Used	
43			Not Used	
44	VMC49 (VTGY)	22	CTRL MOD. - INTEGRATED CONTROL PANEL LIN BUS	For Integrated CP with Display
45			Not Used	
46			Not Used	
47			Not Used	
48			Not Used	
49			Not Used	
50			Not Used	
51	VMEF7 (GYBU)	22	CTRL MOD. - SATELLITE DIGITAL RADIO DATA LINK +	
52	VMEF8 (WHBN)	22	CTRL MOD. - SATELLITE DIGITAL RADIO DATA LINK -	
53			Not Used	
54			Not Used	

Pin	Circuit	Gauge	Circuit Function	Notes
SYNC 3 APIM CONNECTOR				
1	SBPxx (VTRD)	20	FUSE OR CIRCUIT BREAKER - Fuse Location is Vehicle Dependant	
2			Not Used	
3	VME80 (VTGN)	22	CTRL MOD. - MULTIMEDIA GATEWAY MODULE # ALERT 1 (+)	
4	RME80 (BUGY)	22	CTRL MOD. - MULTIMEDIA GATEWAY MODULE # ALERT 1 (-)	
5			Not Used	
6			Not Used	
7			Not Used	
8	LME89 (YEBU)	22	CTRL MOD. - MEDIA CONNECTIVITY POWER (+)	
9			Not Used	
10			Not Used	
11			Not Used	
12	VMM23 (BNVT)	22	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # MICROPHONE PHONE/VOICE CONTROL +	
13	RMM23 (WHGN)	22	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # MICROPHONE PHONE/VOICE CONTROL -	
14	VMP19 (WHGN)	22	CAMERA - PARKING AID REAR VIDEO +	Without 360 Camera
15	RMP19 (BUGY)	22	CAMERA - PARKING AID REAR VIDEO -	Without 360 Camera
14	VMP43 (GNBU)	22	CTRL MOD. - IMAGE PROCESSING B # VIDEO OUT +	With 360 Camera
15	VMP44 (VTGY)	22	CTRL MOD. - IMAGE PROCESSING B # VIDEO OUT -	With 360 Camera
16			Not Used	
17			Not Used	
18			Not Used	
19	VDB29 (GNBU)	22	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED 3 (LOWER) HIGH (HS3-CAN)	
20	VDB30 (WHGN)	22	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED 3 (LOWER) LOW (HS3-CAN)	
21	DME80 (BK)	20	CTRL MOD. - MULTIMEDIA GATEWAY MODULE # ALERT 1 DRAIN/SHIELD	
22	DME52 (BK)	20	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # AUDIO [SATELLITE DIGITAL RADIO] DRAIN/SHIELD	
23	VME52 (BU)	22	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # AUDIO [SATELLITE DIGITAL RADIO] LEFT +	
24	RME52 (GYOG)	22	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # AUDIO [SATELLITE DIGITAL RADIO] LEFT -	
25	VME53 (VTGN)	22	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # AUDIO [SATELLITE DIGITAL RADIO] RIGHT +	
26	RME53 (BNWH)	22	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # AUDIO [SATELLITE DIGITAL RADIO] RIGHT -	
27	VMEG1 (GYVT)	22	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # DRDL_TX_+ (SATELLITE DIGITAL RADIO DATA LINK)	
28	VMEG2 (GYBU)	22	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # DRDL_TX_- (SATELLITE DIGITAL RADIO DATA LINK)	
29			Not Used	
30			Not Used	
31	DMM23 (BK)	20	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # MICROPHONE - PHONE/VOICE CONTROL DRAIN/SHIELD	
32			Not Used	
33	DMP19 (BK)	20	CAMERA - PARKING AID REAR VIDEO DRAIN/SHIELD	
34			Not Used	
35			Not Used	
36			Not Used	
37	GD215 (BKGY)	22	GROUND - INSTRUMENT PANEL STRUCTURE # 2ND POINT	
38	RME89 (WHBU)	22	CTRL MOD. - MEDIA CONNECTIVITY GROUND (-)	
39			Not Used	
40			Not Used	
41			CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED 4 (LOWER) HIGH	Late Sync 3 w/TCU
42			CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED 4 (LOWER) LOW	Late Sync 3 w/TCU
43			Not Used	
44	VMC49 (VTGY)	22	CTRL MOD. - INTEGRATED CONTROL PANEL LIN BUS	For Integrated CP with Display
45			Not Used	
46			Not Used	
47			Not Used	
48			Not Used	
49			Not Used	
50			Not Used	
51	VMEF7 (BNBU)	22	CTRL MOD. - AUDIO HEAD UNIT DRDL_TX_+ (SATELLITE DIGITAL RADIO DATA LINK)	
52	VMEF8 (BUGY)	22	CTRL MOD. - AUDIO HEAD UNIT DRDL_TX_- (SATELLITE DIGITAL RADIO DATA LINK)	
53	VDB04 (BU)	22	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED HIGH	
54	VDB05 (WH)	22	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED LOW	

Pin	Circuit	Gauge	Circuit Function	Notes
SYNC 2 APIM CONNECTOR				
1	SBPxx (WHRD)	20	FUSE OR CIRCUIT BREAKER - Fuse Location is Vehicle Dependant	
2			Not Used	
3	VME80 (VTGN)	22	CTRL MOD. - MULTIMEDIA GATEWAY MODULE # ALERT 1 (+)	
4	RME80 (BUGY)	22	CTRL MOD. - MULTIMEDIA GATEWAY MODULE # ALERT 1 (-)	
5			Not Used	
6			Not Used	
7			Not Used	
8	LME89 (YEBU)	22	CTRL MOD. - MEDIA CONNECTIVITY POWER (+)	
9	DME45 (BK)	20	JACK - AUDIO # EXT. AUX IN DRAIN/SHIELD	
10	VME45 (BU)	26	JACK - AUDIO # EXT. AUX IN LEFT (+)	
11	RME45 (GN)	26	JACK - AUDIO # EXT. AUX IN LEFT OR COMMON (-)	
12	VMM23 (BN)	26	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # MICROPHONE PHONE/VOICE CONTROL +	
13	RMM23 (WH)	26	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # MICROPHONE PHONE/VOICE CONTROL -	
14	VMP19 (WH)	26	CAMERA - PARKING AID REAR VIDEO +	Without 360 Camera
15	RMP19 (BN)	26	CAMERA - PARKING AID REAR VIDEO -	Without 360 Camera
14	VMP43 (GN)	26	CTRL MOD. - IMAGE PROCESSING B # VIDEO OUT +	With 360 Camera
15	VMP44 (VT)	26	CTRL MOD. - IMAGE PROCESSING B # VIDEO OUT -	With 360 Camera
16			Not Used	
17			Not Used	
16	VDB06 (GY-OG)	22	CONNECTOR - DIAGNOSTIC # CAN BUS MEDIUM SPEED 3 HIGH (MS-CAN)	
17	VDB07 (VT-OG)	22	CONNECTOR - DIAGNOSTIC # CAN BUS MEDIUM SPEED 3 LOW (MS-CAN)	
18			Not Used	
19	VDB29 (GNBU)	22	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED 3 (LOWER) HIGH (HS3-CAN)	
20	VDB30 (WHGN)	22	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED 3 (LOWER) LOW (HS3-CAN)	
21	DME80 (BK)	20	CTRL MOD. - MULTIMEDIA GATEWAY MODULE # ALERT 1 DRAIN/SHIELD	
22	DME52 (BK)	20	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # AUDIO [SATELLITE DIGITAL RADIO] DRAIN/SHIELD	
23	VME52 (BU)	26	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # AUDIO [SATELLITE DIGITAL RADIO] LEFT +	
24	RME52 (GY)	26	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # AUDIO [SATELLITE DIGITAL RADIO] LEFT -	
25	VME53 (VT)	26	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # AUDIO [SATELLITE DIGITAL RADIO] RIGHT +	
26	RME53 (BN)	26	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # AUDIO [SATELLITE DIGITAL RADIO] RIGHT -	
27			Not Used	
28	VME46 (BN)	26	JACK - AUDIO # EXT. AUX IN RIGHT (+)	
29			Not Used	
30			Not Used	
31	DMM23 (BK)	20	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # MICROPHONE - PHONE/VOICE CONTROL DRAIN/SHIELD	
32			Not Used	
33	DMP19 (BK)	20	CAMERA - PARKING AID REAR VIDEO DRAIN/SHIELD	
34			Not Used	
35			Not Used	
36			Not Used	
37	GD215 (BKGY)	22	GROUND - INSTRUMENT PANEL STRUCTURE # 2ND POINT	
38	RME89 (BU)	26	CTRL MOD. - MEDIA CONNECTIVITY GROUND (-)	
39			Not Used	
40			Not Used	
41			Not Used	
42			Not Used	
43			Not Used	
44			Not Used	
45			Not Used	
46			Not Used	
47			Not Used	
48			Not Used	
49			Not Used	
50			Not Used	
51	VME90 (YE)	26	CTRL MOD. - SATELLITE DIGITAL RADIO DATA LINK (+) (SDL-H)	
52	VME91 (WH)	26	CTRL MOD. - SATELLITE DIGITAL RADIO DATA LINK (+) (SDL-H)	
53	VDB04 (WH-BU)	22	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED 1 (LOWER) HIGH (HS1-CAN)	
54	VDB05 (WH)	22	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED 1 (LOWER) LOW (HS1-CAN)	

Pin	Circuit	Gauge	Circuit Function	Notes
SYNC 1 APIM CONNECTOR				
1	SBPxx (WHRD)	20	FUSE OR CIRCUIT BREAKER - Fuse Location is Vehicle Dependant	
2			Not Used	
3	VME80 (VTGN)	22	CTRL MOD. - MULTIMEDIA GATEWAY MODULE # ALERT 1 (+)	
4	RME80 (BUGY)	22	CTRL MOD. - MULTIMEDIA GATEWAY MODULE # ALERT 1 (-)	
5	VMM23 (BN)	26	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # MICROPHONE PHONE/VOICE CONTROL +	Sync 1 Only
6	RMM23 (WH)	26	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # MICROPHONE PHONE/VOICE CONTROL -	Sync 1 Only
7			Not Used	
8	LME89 (YEBU)	22	CTRL MOD. - MEDIA CONNECTIVITY POWER (+)	
9	DME45 (BK)	20	JACK - AUDIO # EXT. AUX IN DRAIN/SHIELD	Sync 2 Only
10	VME45 (BU)	26	JACK - AUDIO # EXT. AUX IN LEFT (+)	Sync 2 Only
11	RME45 (GN)	26	JACK - AUDIO # EXT. AUX IN LEFT OR COMMON (-)	Sync 2 Only
12	VMM23 (BN)	26	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # MICROPHONE PHONE/VOICE CONTROL +	Sync 2 Only
13	RMM23 (WH)	26	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # MICROPHONE PHONE/VOICE CONTROL -	Sync 2 Only
14	VMP19 (WH)	26	CAMERA - PARKING AID REAR VIDEO +	Without 360 Camera
15	RMP19 (BN)	26	CAMERA - PARKING AID REAR VIDEO -	Without 360 Camera
14	VMP43 (GN)	26	CTRL MOD. - IMAGE PROCESSING B # VIDEO OUT +	With 360 Camera
15	VMP44 (VT)	26	CTRL MOD. - IMAGE PROCESSING B # VIDEO OUT -	With 360 Camera
16	VDB29 (GN-BU)	22	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED 3 (LOWER) HIGH (HS3-CAN)	Sync 1 Only
17	VDB30 (WH-GN)	22	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED 3 (LOWER) LOW (HS3-CAN)	Sync 1 Only
16	VDB06 (GY-OG)	22	CONNECTOR - DIAGNOSTIC # CAN BUS MEDIUM SPEED 3 HIGH (MS-CAN)	Sync 2 Only
17	VDB07 (VT-OG)	22	CONNECTOR - DIAGNOSTIC # CAN BUS MEDIUM SPEED 3 LOW (MS-CAN)	Sync 2 Only
18			Not Used	
19	VDB29 (GNBU)	22	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED 3 (LOWER) HIGH (HS3-CAN)	Sync 2 Only
20	VDB30 (WHGN)	22	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED 3 (LOWER) LOW (HS3-CAN)	Sync 2 Only
21	DME80 (BK)	20	CTRL MOD. - MULTIMEDIA GATEWAY MODULE # ALERT 1 DRAIN/SHIELD	
22	DME52 (BK)	20	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # AUDIO [SATELLITE DIGITAL RADIO] DRAIN/SHIELD	
23	VME53 (VT)	26	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # AUDIO [SATELLITE DIGITAL RADIO] LEFT +	Sync 1 Only
24	RME53 (BN)	26	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # AUDIO [SATELLITE DIGITAL RADIO] LEFT -	Sync 1 Only
23	VME52 (BU)	26	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # AUDIO [SATELLITE DIGITAL RADIO] LEFT +	Sync 2 Only
24	RME52 (GY)	26	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # AUDIO [SATELLITE DIGITAL RADIO] LEFT -	Sync 2 Only
25	VME52 (BU)	26	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # AUDIO [SATELLITE DIGITAL RADIO] RIGHT +	Sync 1 Only
26	RME52 (GY)	26	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # AUDIO [SATELLITE DIGITAL RADIO] RIGHT -	Sync 1 Only
25	VME53 (VT)	26	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # AUDIO [SATELLITE DIGITAL RADIO] RIGHT +	Sync 2 Only
26	RME53 (BN)	26	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # AUDIO [SATELLITE DIGITAL RADIO] RIGHT -	Sync 2 Only
27			Not Used	
28	VME46 (BN)	26	JACK - AUDIO # EXT. AUX IN RIGHT (+)	Sync 2 Only
29			Not Used	
30			Not Used	
31	DMM23 (BK)	20	CTRL MOD. - BLUETOOTH/MULTIMEDIA GATEWAY MODULE # MICROPHONE - PHONE/VOICE CONTROL DRAIN/SHIELD	
32			Not Used	
33	DMP19 (BK)	20	CAMERA - PARKING AID REAR VIDEO DRAIN/SHIELD	
34			Not Used	
35			Not Used	
36			Not Used	
37	GD215 (BKGY)	22	GROUND - INSTRUMENT PANEL STRUCTURE # 2ND POINT	
38	GD215 (BKGY)	22	GROUND - INSTRUMENT PANEL STRUCTURE # 2ND POINT	Sync 1 Only
38	RME89 (BU)	26	CTRL MOD. - MEDIA CONNECTIVITY GROUND (-)	Sync 2 Only
39			Not Used	
40			Not Used	
41			Not Used	
42			Not Used	
43			Not Used	
44	DME45 (BK)	20	JACK - AUDIO # EXT. AUX IN DRAIN/SHIELD	Sync 1 Only
45	VME45 (BU)	26	JACK - AUDIO # EXT. AUX IN LEFT (+)	Sync 1 Only
46	RME45 (GN)	26	JACK - AUDIO # EXT. AUX IN LEFT OR COMMON (-)	Sync 1 Only
47	VME46 (BN)	26	JACK - AUDIO # EXT. AUX IN RIGHT (+)	Sync 1 Only
48			Not Used	
49			Not Used	
50			Not Used	
51	VME90 (YE)	26	CTRL MOD. - SATELLITE DIGITAL RADIO DATA LINK (+) (SDL-H)	Sync 2 Only
52	VME91 (WH)	26	CTRL MOD. - SATELLITE DIGITAL RADIO DATA LINK (+) (SDL-H)	Sync 2 Only
53	VDB04 (WH-BU)	22	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED 1 (LOWER) HIGH (HS1-CAN)	
54	VDB05 (WH)	22	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED 1 (LOWER) LOW (HS1-CAN)	