

FN Connector Specification

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Front Node Connector - Cavity A - 32 Pin						
No.	Name of signal	S/mm2	Input/Output	Average Current	I max/Theoretical	Description
A-H2	DIPPED_LAMP_LH	1.5	Output	5.5A	8A	
A-H3	DIPPED_LAMP_RH	1.5	Output	5.5A	8A	
A-G4	MAIN_LAMP_LH	1.5	Output	5.5A	8A	
A-H1	MAIN_LAMP_RH	1.5	Output	5.5A	8A	
A-B4	SIDE_LAMP_LH	0.35	Output	0.5A	3.2A	
A-A2	SIDE_LAMP_RH	0.35	Output	0.5A	3.2A	
A-H4	FOG_LAMP_LH	1.5	Output	5.5A	8A	
A-G1	FOG_LAMP_RH	1.5	Output	5.5A	8A	
A-A4	INDICATOR_LAMP_LH	0.5	Output	2A	4A	
A-A3	INDICATOR_LAMP_RH	0.5	Output	2A	4A	
A-G3	HORN_LH	1	Output	4A	6.4A	
A-G2	HORN_RH	1	Output	4A	6.4A	

Front Node Connector - Cavity B - 48 Pin						
No.	Name of signal	S/mm2	Input/Output	Average Current	I max/Theoretical	Description
B-D4	ABS Alarm Pulse(WLAS)	0.35	Input	25mA	3.2A	
B-E4	ABS Alarm Signal(EBD)	0.35	Input	10mA	3.2A	
B-B4	Start_SW 1,2	0.75	Power Supply	0.5A	5.6A	
B-K4	Side Repeater Lamp (LH)	0.5	Output	0.5A	4A	
B-K3	Side Repeater Lamp (RH)	0.5	Output	0.5A	4A	
B-A4	Pad Brake Switch	0.5	Input	15mA	4A	
B-C4	Brake Oil level Switch	0.5	Input	15mA	4A	
B-G1	Gas Pressure Switch I	0.35	Input	15mA	3.2A	
B-F1	Gas Pressure Switch II	0.35	Input	15mA	3.2A	
B-E1	Reserve I	0.35	Input	10mA	3.2A	

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B-M4	FN-POWER1	2	Power Supply	11A	10.4A	
B-M2	FN-POWER2	2	Power Supply	11.75A	10.4A	
B-L4	FN-POWER3	2	Power Supply	11A	10.4A	
B-M1	FN-POWER4	2	Power Supply	11.75A	10.4A	
B-L1	FN-POWER5	2	Power Supply	4A	10.4A	
B-A1	Node Power	0.75	Power Supply	0.5A	5.6A	
B-H1	GND1	0.75	GND	0.5A	5.6A	
B-C1	CAN H-Low Speed	0.35	Input/Output	0.5A	3.2A	
B-D1	CAN L-Low Speed	0.35	Input/Output	0.5A	3.2A	
B-A2	CAN H-High Speed_B	0.35	Gateway	0.5A	3.2A	
B-A3	CAN L-High Speed_B	0.35	Gateway	0.5A	3.2A	
B-F4	Start_SW_2,3_B	0.75	Gateway	_	5.6A	
B-L2	Brake_SW_B	0.75	Gateway	_	5.6A	
B-C3	R_Line_B	0.35	Gateway	0.25A	3.2A	
B-C2	W_Line_B	0.35	Gateway	0.25A	3.2A	
B-B2	Reserve_Gateway_1B	0.35	Gateway	0.25A	3.2A	
B-D2	Reserve_Gateway_2B	0.35	Gateway	0.25A	3.2A	

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Front Node Connector - Cavity C - 32 Pin						
No.	Name of signal	S/mm2	Input/Output	Average Current	I max/Theoretical	Description
C-F1	Gasoline_Level	0.35	Input	10mA	3.2A	
C-E1	CNG_Selection	0.35	Input	10mA	3.2A	
C-F4	Engin_Hot_Lamp	0.35	Input	10mA	3.2A	
C-B3	RPM	0.35	Input	10mA	3.2A	
C-C4	Vehicle Speed Sensor	0.5	Input	10mA	4A	
C-A4	Fuel Consumption/CNG_Tank_Level	0.35	Input	25mA	3.2A	
C-D1	Water Temperature Sensor	0.5	Input	10mA	4A	
C-D4	Water Temperature Warning	0.35	Input	10mA	3.2A	
C-F3	Alternator	0.35	Output	0.2A	3.2A	
C-C1	Oil Pressure Switch	0.5	Input	15mA	4A	
C-B1	Reverse Gear Switch	0.5	Input	15mA	4A	
C-C2	AC Request	0.35	Output	10mA	3.2A	
C-B4	Compressor Cut Off	0.35	Input	10mA	3.2A	
C-H4	Compressor Clutch	1	Output	4A	6.4A	
C-A1	Inertial Switch	0.35	Input	15mA	3.2A	
C-E4	Check Engine	0.35	Input	10mA	3.2A	
C-A3	CAN H-High Speed	0.35	Input/Output	0.5A	3.2A	
C-A2	CAN L-High Speed	0.35	Input/Output	0.5A	3.2A	
C-F2	Start_SW_2,3_B	0.75	Gateway	_	5.6A	
C-G4	Brake_SW_B	0.75	Gateway	_	5.6A	
C-D2	R_Line_B	0.35	Gateway	0.25A	3.2A	
C-D3	W_Line_B	0.35	Gateway	0.25A	3.2A	
C-C3	Reserve_Gateway_1B	0.35	Gateway	0.25A	3.2A	
C-E3	Reserve_Gateway_2B	0.35	Gateway	0.25A	3.2A	
C-B2	GND2	0.75	GND	0.5A	5.6A	