

J1	J2	J3	EFI name	Function
A1			EM4	Digital Input trigger sensor (VR/Hall)
A2			EM3	Digital Input trigger sensor (VR)
A3			EM2	Digital Input trigger sensor (VR)
A4			EM1	Digital Input trigger sensor (VR)
B1			GND	Digital Ground
B2			EM3H	Digital Input trigger sensor (Hall)
B3			EM2H	Digital Input trigger sensor (Hall)
B4			EM1H	Digital Input trigger sensor (Hall)
C1			GND	Digital Ground
C2			GND	Digital Ground
C3			VREF1	5V Analog Voltage Reference
C4			INJ4	Digital Output Ported Injector
D1			AGND	Analog Ground
D2			AGND	Analog Ground
D3			HE1	Digital Input HE
D4			INJ3	Digital Output Ported Injector
E1			LNR5	Analog Input Pull Up
E2			LNR4	Analog Input Pull Up
E3			HE2	Digital Input HE
E4			INJ2	Digital Output Ported Injector
F1			TPS1B	Throttle Position Input
F2			TPS1A	Throttle Position Input
F3			HE3	Digital Input trigger sensor (Hall)
F4			INJ1	Digital Output Ported Injector
G1			DBW1B	Hbridge Out (-)
G2			DBW1A	Hbridge Out (+)
G3			HPPL	High Pressure Fuel Pump (-)
G4			HPPH	High Pressure Fuel Pump (+)
H1			IGN4	Digital Output Ignition
H2			IGN3	Digital Output Ignition
H3			IGN2	Digital Output Ignition
H4			IGN1	Digital Output Ignition
	A4		LNR10	Analog Input Pull Up
	A3		AGND	Analog Ground
	A2		AGND	Analog Ground
	A1		OUT1	Digital Output High Current
	B4		LNR9	Analog Input Pull Up
	B3		IGNL1	Logic Ignition Output
	B2		AGND	Analog Ground
	B1		OUT2	Digital Output High Current
	C4		LNR6	Analog Input Pull Up
	C3		IGNL2	Logic Ignition Output
	C2		KNK2	Analog Input Knock
	C1		OUT3	Digital Output High Current
	D4		LNR3	Analog Input Pull Up

J1	J2	J3	EFI name	Function
	D3		IGNL3	Logic Ignition Output
	D2		KNK1	Analog Input Knock
	D1		OUT4	Digital Output High Current
	E4		LNR2	Analog Input Pull Up
	E3		IGNL4	Logic Ignition Output
	E2		GND KNK	Knock Ground
	E1		OUT5	Digital Output High Current
	F4		LNR1	Analog Input Pull Up
	F3		-	Not Connected
	F2		LL-VS/IP1	Uego Controller 1 - Reference
	F1		OUT6	Digital Output High Current
	G4		TEMP5	Analog Input NTC
	G3		-	Not Connected
	G2		LL-RCOMP1	Uego Controller 1 - RC
	G1		OUT7	Digital Output High Current
	H4		TEMP4	Analog Input NTC
	H3		-	Not Connected
	H2		LL-VS+1	Uego Controller 1 - VS
	H1		OUT8	Digital Output High Current
	J4		TEMP3	Analog Input NTC
	J3		-	Not Connected
	J2		LL-IP+1	Uego Controller 1 - IP
	J1		VREF2	5V Analog Voltage Reference
	K4		CAN3H	CAN
	K3		CAN3L	CAN
	K2		VREF3	5V Analog Voltage Reference
	K1		HT-LMB1	Uego Controller 1 - Heater
	L4		INJL-A2	Direct Injector A 2 - Low Side
	L3		INJL-A1	Direct Injector A 1 - Low Side
	L2		INJH-A2	Direct Injector A 2 - High Side
	L1		INJH-A1	Direct Injector A 1 - High Side
	M4		INJL-B2	Direct Injector B 2 - Low Side
	M3		INJL-B1	Direct Injector B 1 - Low Side
	M2		INJH-B2	Direct Injector B 2 - High Side
	M1		INJH-B1	Direct Injector B 1 - High Side
		A4	PPS2	Analog Input Pull Up
		A3	LNR7	Analog Input Pull Up
		A2	TEMP2	Analog Input NTC
		A1	OUTH	Digital Output High Current
		B4	PPS1	Analog Input Pull Down
		B3	HE4	Digital Input HE
		B2	IGNSW	Analog Input Pull Up
		B1	OUTL4	Digital Output Low Current
		C4	HE9	Digital Input HE
		C3	TEMP1	Analog Input NTC

J1	J2	J3	EFI name	Function
		C2	HE11	Digital Input HE
		C1	OUTL3	Digital Output Low Current
		D4	GND	Digital Ground
		D3	GND	Digital Ground
		D2	HE8	Digital Input HE
		D1	OUTL2	Digital Output Low Current
		E4	LNR8	Analog Input Pull Up
		E3	HE6	Digital Input HE
		E2	RL4	Digital Output Relay
		E1	MAIN-RL	Digital Output-Main Relay
		F4	VREF5	5V Analog Voltage Reference
		F3	VREF4	5V Analog Voltage Reference
		F2	RL2	Digital Output Relay
		F1	RL3	Digital Output Relay
		G4	HE10	Digital Input HE
		G3	HE5	Digital Input HE
		G2	HE7	Digital Input HE
		G1	RL1	Digital Output Relay
		H4	CAN2H	CAN
		H3	CAN2HL	CAN
		H2	OUTL1	Digital Output Low Current
		H1	GND	Digital Ground
		J4	CAN1H	CAN
		J3	CAN1L	CAN
		J2	RX+	Ethernet Rx
		J1	RX-	Ethernet Rx
		K4	AGND	Analog Ground
		K3	AGND	Analog Ground
		K2	TX+	Ethernet Tx
		K1	TX-	Ethernet Tx
		L4	GND-POW	Power Ground
		L3	GND-POW	Power Ground
		L2	GND-POW	Power Ground
		L1	HB1	Half Bridge Output
		M4	VBATT-IN	Analog Input-Battery
		M3	VBATT-IN	Analog Input-Battery
		M2	VBATT-IN	Analog Input-Battery
		M1	HB2	Half Bridge Output