

	Yellow	Red	Blue	EFI name	Function
	1			LNR3	Analog Input - Pullup
	2			LNR4	Analog Input - Pullup
	3			LNR12	Analog Input - Pullup
	4			LNR9	Analog Input - Pullup
	5			LNR1	Analog Input - Pullup
	6			LNR11	Analog Input - Pullup
	7			LNR5	Analog Input - Pullup
	8			OUT8	Digital Output - High Current
	9			OUT7	Digital Output - High Current
	10			LNR8	Analog Input - Pullup
	11			LNR10	Analog Input - Pullup
	12			LNR2	Analog Input - Pullup
	13			LNR20	Analog Input - Pullup
	14			LL-VS/IP1	Uego Controller 1 - Reference
	15			LL-VS/IP2	Uego Controller 2 - Reference
	16			OUT3	Digital Output - High Current
	17			HE2	Digital Input - Logic/Hall Effect
	18			HE3	Digital Input - Logic/Hall Effect
	19			LNR7	Analog Input - Pullup
	20			LNR6	Analog Input - Pullup
	21			LNR21	Analog Input - Pullup
	22			LL-IP+1	Uego Controller 1 -IP
	23			VREF6	5V Analogue Voltage Reference
	24			OUT4	Digital Output - High Current
	25			GND	Digital Ground
	26			GND	Digital Ground
	27			LL-RCOMP2	Uego Controller 2 - RC
	28			LL-RCOMP1	Uego Controller 1 - RC
	29			LL-VS+2	Uego Controller 2 - VS
	30			LL-VS+1	Uego Controller 1 - VS
	31			LL-IP+/2	Uego Controller 2 - IS
	32			VREF6	5V Analogue Voltage Reference
	33			OUT1	Digital Output - High Current
	34			AGND	Analogue Ground
	35			AGND	Analogue Ground
	36			AGND	Analogue Ground
	37			AGND	Analogue Ground
	38			AGND	Analogue Ground
	39			AGND	Analogue Ground
	40			VREF7	5V Analogue Voltage Reference
	41			VREF7	5V Analogue Voltage Reference
	42			OUT2	Digital Output - High Current
	43			SMOT-OUT	EM1 Repetition
	44			CAM1-OUT	EM2 Repetition
	45			TEMP9	Analogue Input - NTC
	46			TEMP4	Analogue Input - NTC

	Yellow	Red	Blue	EFI name	Function
	47			KNK2	Analogue Input - Knock 2
	48			TEMP1	Analogue Input - NTC
	49			VREF8	5V Analogue Voltage Reference
	50			OUT6	Digital Output - High Current
	51			CAM2-OUT	EM3 Repetition
	52			TEMP5	Analogue Input - NTC
	53			TEMP7	Analogue Input - NTC
	54			TEMP2	Analogue Input - NTC
	55			TEMP6	Analogue Input - NTC
	56			VREF9	5V Analogue Voltage Reference
	57			OUT5	Digital Output - High Current
	58			TEMP8	Analogue Input - NTC
	59			TEMP3	Analogue Input - NTC
	60			GND KNK	Knock Ground
	61			KNK1	Analogue Input - Knock 1
	62			HT-LMB1	Uego Controller 1 - Heater
	63			HT-LMB2	Uego Controller 2 - Heater
	64			GND KNK	Knock Ground
	65			KNK4	Analogue Input - Knock 4
	66			KNK3	Analogue Input - Knock 3
		1		DBW1B	ETB Driver 1 -
		2		DBW2B	ETB Driver 2 -
		3		IGN1	Digital Output - Ignition
		4		DBW2A	ETB Driver 2 +
		5		DBW1A	ETB Driver 1 +
		6		INJ8	Digital Output - Injector
		7		INJ11	Digital Output - Injector
		8		IGN7	Digital Output - Ignition
		9		IGN2	Digital Output - Ignition
		10		INJ2	Digital Output - Injector
		11		INJ4	Digital Output - Injector
		12		INJ7	Digital Output - Injector
		13		EM1H	Digital Input - HE
		14		HE1	Digital Input - Logic/Hall Effect
		15		INJ12	Digital Output - Injector
		16		IGN8	Digital Output - Ignition
		17		INJ10	Digital Output - Injector
		18		INJ9	Digital Output - Injector
		19		EM4	Digital Input - HE/VR configurable
		20		EM3H	Digital Input - HE
		21		EM2H	Digital Input - HE
		22		GND	Digital Ground
		23		GND	Digital Ground
		24		IGN9	Digital Output - Ignition
		25		INJ6	Digital Output - Injector
		26		INJ5	Digital Output - Injector

	Yellow	Red	Blue	EFI name	Function
		27		INJ1	Digital Output - Injector
		28		EM3	Digital Input - VR
		29		EM2	Digital Input - VR
		30		AGND	Analogue Ground
		31		GND	Digital Ground
		32		GND	Digital Ground
		33		IGN3	Digital Output - Ignition
		34		INJ2	Digital Output - Injector
		35		EM1	Digital Input - VR
		36		VREF3	5V Analogue Voltage Reference
		37		VREF2	5V Analogue Voltage Reference
		38		VREF2	5V Analogue Voltage Reference
		39		TPS2A	Analogue Input - Pull Up
		40		AGND	Analogue Ground
		41		GND	Digital Ground
		42		IGN4	Digital Output - Ignition
		43		IGNL6	Digital Output - Ignition
		44		VREF4	5V Analogue Voltage Reference
		45		VREF5	5V Analogue Voltage Reference
		46		VREF1	5V Analogue Voltage Reference
		47		VREF1	5V Analogue Voltage Reference
		48		TPS1A	Analogue Input - Pull Up
		49		IGNL1	Digital Output - Ignition
		50		IGN10	Digital Output - Ignition
		51		IGNL12	Digital Output - Ignition
		52		IGNL11	Digital Output - Ignition
		53		TPS2B	Analogue Input - Pull Down
		54		TPS1B	Analogue Input - Pull Down
		55		IGNL2	Digital Output - Ignition
		56		IGNL7	Digital Output - Ignition
		57		IGN11	Digital Output - Ignition
		58		IGNL5	Digital Output - Ignition
		59		IGNL4	Digital Output - Ignition
		60		IGNL3	Digital Output - Ignition
		61		IGNL8	Digital Output - Ignition
		62		IGN12	Digital Output - Ignition
		63		IGN5	Digital Output - Ignition
		64		IGNL10	Digital Output - Ignition
		65		IGNL9	Digital Output - Ignition
		66		IGN6	Digital Output - Ignition
			1	HE9	Digital Input – Logic/Hall Effect
			2	LNR13	Analog Input - Pullup
			3	LNR17	Analog Input - Pullup
			4	HE4	Digital Input – Logic/Hall Effect
			5	HE8	Digital Input – Logic/Hall Effect
			6	HE13	Digital Input – Logic/Hall Effect

	Yellow	Red	Blue	EFI name	Function
			7	LNR14	Analog Input - Pullup
			8	LNR18	Analog Input - Pullup
			9	HB1	Half Bridge 1
			10	HE5	Digital Input – Logic/Hall Effect
			11	HE11	Digital Input – Logic/Hall Effect
			12	HE12	Digital Input – Logic/Hall Effect
			13	LNR16	Analog Input - Pullup
			14	TEMP10	Analogue Input – NTC
			15	LNR19	Analog Input - Pullup
			16	HB2	Half Bridge 2
			17	VREF4	5V Analogue Voltage Reference
			18	HE6	Digital Input – Logic/Hall Effect
			19	HE7	Digital Input – Logic/Hall Effect
			20	HE10	Digital Input – Logic/Hall Effect
			21	LNR15	Analog Input - Pullup
			22	AGND	Analogue Ground
			23	OUT11	Digital Output – High Current
			24	OUT12	Digital Output – High Current
			25	GND	Digital Ground
			26	GND	Digital Ground
			27	GND	Digital Ground
			28	GND	Digital Ground
			29	GND	Digital Ground
			30	AGND	Analogue Ground
			31	AGND	Analogue Ground
			32	OUT9	Digital Output – High Current
			33	OUT10	Digital Output – High Current
			34	CAN3L	CAN
			35	CAN3H	CAN
			36	VREF10	5V Analogue Voltage Reference
			37	PPS1	Analogue Input – Pull Down
			38	IGNSW	Analogue Input – Pull Up
			39	AGND	Analogue Ground
			40	+12VEXT	Analogue Input-Battery
			41	RL1	Digital Output – Relay
			42	RL3	Digital Output – Relay
			43	CAN2L	CAN
			44	CAN2H	CAN
			45	PPS2	Analogue Input – Pull Up
			46	GND-POW	Power Ground
			47	GND-POW	Power Ground
			48	+12VEXT	Analogue Input-Battery
			49	RL4	Digital Output – Relay
			50	RL2	Digital Output – Relay
			51	CAN1L	CAN
			52	RX-	Ethernet Rx

	Yellow	Red	Blue	EFI name	Function
			53	TX+	Ethernet Tx
			54	GND-POW	Power Ground
			55	+12VEXT	Analogue Input-Battery
			56	OUTL3	Digital Output – Low Current
			57	OUTL1	Digital Output – Low Current
			58	CAN1H	CAN
			59	RX+	Ethernet Rx
			60	GND-POW	Power Ground
			61	+12VEXT	Analogue Input-Battery
			62	OUTL4	Digital Output – Low Current
			63	OUTL2	Digital Output – Low Current
			64	TX-	Ethernet Tx
			65	GND-POW	Power Ground
			66	+12VEXT	Analogue Input-Battery