Chassis Split CS	ECU		FUNCTION	
1	49		FUEL #08	Rain Light Output
2	64		5V OUT #01	
3	BATTERY		+12V SUPPLY TO 4X IGN COP CONNECTORS	
4	82		CAN HI #01	GPS MODULE
5	81		CAN LO #01	GPS MODULE
6	56	57	BATTERY SUPPLY	
7	69		SENSOR GROUND #01	
8	39		INPUT #09 (5V/TH/BI/FREQ)	In#10 FL Speed?
9	10		INPUT #12 (5V/TH/BI/FREQ)	FR Speed?
10	16		INPUT #03 (5V/TH/BI/FREQ)	
11	84		INPUT #23 (TH)	
12	50		FUEL #06	Fuel Pump Relay
13	83		INPUT #24 (TH)	
14	34		FUEL #09	Radiator Fan Relay
15	44		INPUT #02 (5V/TH/BI/FREQ)	GEAR CUT sensor
16	67	69	SENSOR GROUND #02	
17	36		INPUT #15 (5V/TH/BI/FREQ)	
18	66		INPUT #20 (5V) / KNOCK #04 (5)	Gear Posn Pot
19	SPARE INPUTS		This goes to pin 6 on the SPARE INPUTS connector	
20	21		RS232 TX	Dash4Pro

* ADAPTIVE KNOCK CONTROL UPGRADE REQUIRED FOR USE OTHERWISE DO NOT CONNECT

We have Rain Light switch and Pit Lane Speed Limiter switch on Mygale

FOOTNOTES:

(1) The GDI output channel must have a twisted pair GDI+ and GDI- leading to each injector

(2) INPUT #01 TH utilises a 47K pull-up, all other TH inputs utilise a 3K pull-up

(3) Variable voltage supply pin - maximum current capability of 15mA

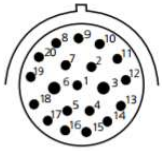
(4) Can only be used as a general output if GDI- is unassigned

(5) "Adaptive Knock Control" upgrade required for use otherwise DO NOT CONNECT

(6) Master/Slave link only, not for general use

(7) LR internal use or custom projects only, not for general use

Sensors on car	Host	
Steering Wheel Angle	F88	
Throttle Pedal Position	F88	
RF Speed	F88	
LF Speed	F88	
RR Speed	X10	
LR Speed	X10	
Water Temp	F88	
Oil Temp	F88	
Oil Pressure	F88	
Air Temp	F88	
Knock Sensor 1&2	F88	
Knock Sensor 3&4	F88	
Brake Pressure Front	F88	
Brake Pressure Rear	F88	
Fuel Pressure Tank	F88	
Fuel Pressure GDI	F88	
Lambda Sensor	F88	
Boost Pressure	F88	
Air Charge Temperature	F88	
Paddle Up	X10	
Paddle Down	X10	
Clutch Switch (paddles)	F88	(Was rain light)
Manifold Pressure MAP	F88	
Crank Position Sensor	F88	
CAM Sensor	F88	
Pedal Position	F88	
Gear Lever strain gauge	F88	
Inlet Ti-VCT	F88	Was unused COMP BYPASS
Calibration 1	X10	
Calibration 2	X10	



		56		SENSORS
	29	57		CHASSIS SPLIT
1	30	58		UNPOPULATED
2	31	59	Bosch	ETHERNET
3	32	60		CAN #2
4	33	61		LAMBDA
5	34	62		GDI PUMP
6	35	63		INJ
7	36	64		IGN
8	37	65	F88	
9	38	66		
10	39	67		
11	40	68	Loom	
12	41	69		
13	42	70		
14		71	connector	
15		72		
16		73		
17		74		
18	43	75		
19	44	76		
20	45	77		
21	46	78		
22	47	79		
23	48	80		
24	49	81		
25	50	82		
26	51	83		
27	52	84		
28	53	85		
	54	86		
	55	87		
		88		

Pin	Connector	Life F88R	Pin	Connector	Life F88R
1		POWER GROUND	45	UNPOPULATED	LAMBDA V #02 (4)
2	UNPOPULATED	DO NOT CONNECT	46	ACT	INPUT #22 (TH)
3	UNPOPULATED	DO NOT CONNECT	47	INJ	DO NOT CONNECT
4	UNPOPULATED	IGNITION #06 (2)	48	UNPOPULATED	RS232 RX
5	UNPOPULATED	IGNITION #05 (2)	49	CHASSIS SPLIT CS1 - RAIN LIGHT O/P	FUEL #08
6	COMP BYPASS	DO NOT CONNECT	50	CHASSIS SPLIT CS12 -FUEL PUMP RELAY	FUEL #06
7	KNOCK 3+4	KNOCK #02 (3)	51	INJ	FUEL #04
8	SPARE INPUT	INPUT #16 (5V/TH/BI/FREQ) (7)	52	INJ	FUEL #03
9	SPARE INPUT	INPUT #14 (5V/TH/BI/FREQ) (7)	53	INJ	FUEL #02
10	CHASSIS SPLIT CS9	INPUT #12 (5V/TH/BI/FREQ)	54	INJ	FUEL #01
11	CRANK	INPUT #10 (5V/TH/BI/FREQ)	55		POWER GROUND
12	UNPOPULATED	DO NOT CONNECT	56	+12V SUPPLY CS3	BATTERY SUPPLY
13	UNPOPULATED	DO NOT CONNECT	57	+12V SUPPLY CS6	BATTERY SUPPLY
14	TPS	INPUT #07 (5V/TH)	58	GDI PUMP	H-BRIDGE #01 (5)
15	PPS	INPUT #05 (5V/TH)	59	UNPOPULATED	H-BRIDGE #02 (5)
16	CHASSIS SPLIT CS10	INPUT #03 (5V/TH)	60	TPS	H-BRIDGE #03 (5)
17	WATER TEMP	INPUT #01 (5V/TH) (1)	61	TPS	H-BRIDGE #04 (5)
18	LAMBDA	LAMBDA V #01	62	UNPOPULATED	DO NOT CONNECT
19	EOT	INPUT #21 (TH)	63	5V OUT	5V OUT #02
20	INJ	DO NOT CONNECT	64	5V OUT CS2	5V OUT #01
21	CHASSIS SPLIT 20 - DASH4PRO	RS232 TX	65		KNOCK GROUND
22	LAMBDA	FUEL #07	66	CHASSIS SPLIT CS18 - GEAR POS SENSOR	INPUT #20 (5V)
23	UNPOPULATED	FUEL #05	67	CHASSIS SPLIT CS16	SENSOR GROUND #02
24	IGN #4	IGNITION #04	68	OIL PRES	INPUT #19 (5V)
25	IGN #3	IGNITION #03	69	CHASSIS SPLIT CS7	SENSOR GROUND #01
26	IGN #2	IGNITION #02	70	UNPOPULATED	DO NOT CONNECT
27	IGN #1	IGNITION #01	71	FUEL PRES	INPUT #18 (5V)
28		POWER GROUND	72	UNPOPULATED	SENSOR GROUND #02
29		POWER GROUND	73	FP RAIL	INPUT #17 (5V)
30	INJ	DO NOT CONNECT	74	UNPOPULATED	SENSOR GROUND #01
31	INJ	DO NOT CONNECT	75	UNPOPULATED	LAMBDA I #02 (4)
32	GDI PUMP	DO NOT CONNECT	76	LAMBDA	LAMBDA I #01
33	BOOST CONTROL	DO NOT CONNECT	77	UNPOPULATED	LAMBDA GROUND
34	CHASSIS SPLIT CS14 - RAD FAN RELAY	DO NOT CONNECT	78	UNPOPULATED	COMMS GROUND
35	KNOCK 1+2	KNOCK #01 (3)	79	CAN #2 LO - X10 MODULE	CAN LO #02 (6)
36	CHASSIS SPLIT CS17	INPUT #15 (5V/TH/BI/FREQ) (7)	80	CAN #2 HI - X10 MODULE	CAN HI #02 (6)
37	SPARE INPUT	INPUT #13 (5V/TH/BI/FREQ) (7)	81	CAN #1 LO - CHASSIS SPLIT CS5	CAN LO #01
38	INLET CAM	INPUT #11 (5V/TH/BI/FREQ)	82	CAN #1 HI - CHASSIS SPLIT CS4	CAN HI #01
39	CHASSIS SPLIT CS8	INPUT #09 (5V/TH/BI/FREQ)	83	CHASSIS SPLIT CS13	INPUT #24 (TH)
40	UNPOPULATED	DO NOT CONNECT	84	CHASSIS SPLIT CS11	INPUT #23 (TH)
41	PPS	INPUT #08 (5V/TH)	85	ETHERNET	LAN RX +
42	TPS	INPUT #06 (5V/TH)	86	ETHERNET	LAN RX -
43	MAP	INPUT #04 (5V/TH)	87	ETHERNET	LAN TX +
44	CHASSIS SPLIT CS15	INPUT #02 (5V/TH)	88	ETHERNET	LAN TX -

NUMBERS IN RED INDICATE CHASSIS SPLIT CONNECTOR PINOUTS

SPARE INPUT

	19	37	INPUT 13
5V OUT 01	64	8	INPUT 16
SENSOR GND 02	67	9	INPUT 14

Deutsch DTM
DTM06-6S Plug

MAP

5V OUT 01	64	67	43 INPUT 04
		SENSOR GND 02	

Connector 1366

INLET CAM

SENSOR GND 02	67	38	64	5V OUT 01
		INPUT 11		

Connector 1366

TPS

5V OUT 02	63	60	H-BRIDGE +
INPUT 07	14	61	H-BRIDGE -
SENSOR GND 02	67	42	INPUT 06

Connector C1449

PPS

INPUT 05	15	67	SENSOR GND 02
INPUT 08	41	63	5V

Deutsch
DTM06-4S Plug

FP RAIL

SENSOR GND 02	67	73	64	5V OUT 01
		INPUT 17		

Connector 1366

COMP BYPASS

FUEL 10	6	56	+12V BATTERY SUPPLY

Jnr Power

BOOST CTRL

FUEL 11	33	56	+12V BATTERY SUPPLY

Jnr Power

ACT

INPUT 22	46	67	SENSOR GND 02

Jnr Power

EOT

INPUT 21	19	67	SENSOR GND 02

Jnr Power

LAMBDA

+12V BATTERY SUPPLY	56	N/C	
FUEL 07	22	18	LAMBDA V #01
SENSOR GND 02	67	76	LAMBDA I #01

Deutsch DTM
DTM06-6S Plug

GEAR POS

GND CHASSIS SPLIT	7	18	2	5V CHASSIS SPLIT
		INPUT 20 CHASSIS SPLIT		

Deutsch DTM
DTM06-3S Plug

RAIN LIGHT

FUEL 08 CHASSIS SPLIT	1	3, 6	+12V CHASSIS SPLIT

Pit lane speed limiter

INPUT 23 CHASSIS SPLIT	11	3,6	+12V CHASSIS SPLIT

Steering wheel

GDI PUMP

	1	2	
FUEL #12 / GDI PUMP -	32	58	H-BRIDGE #01 / GDI PUMP +

Connector C1139

IGN #1

	3		1	
GDI #01 + (1)	27	1	+12V	CHASSIS SPLIT CONNECTOR PIN #3
		POWER GROUND		

Connector C114

IGN #2

	3		1	
GDI #02 + (1)	26	1	+12V	CHASSIS SPLIT CONNECTOR PIN #3
		POWER GROUND		

Connector C114

IGN #3

	3		1	
GDI #03 + (1)	25	1	+12V	CHASSIS SPLIT CONNECTOR PIN #3
		POWER GROUND		

IGN #4

	3		1	
GDI #04 + (1)	24	1	+12V	CHASSIS SPLIT CONNECTOR PIN #3
		POWER GROUND		

Connector C114

INJ

FUEL #14	30	53	31	54	FUEL #01 (4) / GDI #01 - (1)
FUEL #16	47	51	20	52	FUEL #03 (4) / GDI #03 - (1)

FUEL #02 (4) / GDI #02 - (1)
FUEL #04 (4) / GDI #04 - (1)
FUEL #13
FUEL #15

Connector C110

FUEL PRES

5V OUT #01	64		67	SENSOR GROUND #02
		71		
		INPUT #18 (5V)		

Connector 1-967642-1

OIL PRES

5V OUT #01	64		67	SENSOR GROUND #02
		68		
		INPUT #19 (5V) / KNOCK #03 (5)		

Connector 1-967642-1

KNOCK 1+2

KNOCK #01 (5)	35	65	KNOCK GROUND

Connector TBA

KNOCK 3+4

KNOCK #02 (5)	7	65	KNOCK GROUND

Connector TBA

CRANK

	WH	BLK	RED		
INPUT #10 (5V/TH/BI/FREQ)	11	67	64	5V OUT #01	
			SENSOR GROUND #02		

Connector C1120

Gear Cut

INPUT 22 CHASSIS SPLIT	15	16	3,6	+12V CHASSIS SPLIT
		CS SENSOR GND		

Throttle pedal pot

GPS MODULE

	N/C	N/C	N/C	N/C	N/C	N/C	
+12v	3,6	N/C	4	5	N/C	7	0V CHASSIS SPLIT
							CAN LO #1 CHASSIS SPLIT
							CAN HI #1 CHASSIS SPLIT

Deutsch DTM 12 Way socket