

	PORT INJECTION ENGINES				DIRECT INJECTION ENGINES				
	M130	M150	M170	M190	M122	M141	M142	M181	M182
Outputs									
Direct Injector	-	-	-	-	4	8	8	12	12
Peak Hold Injector	8	12	8	12	-	-	-	-	-
Low Side Injector	2	6	2	12	6	6	6	6	6
Low Side Ignition	8	12	8	12	4	8	8	12	12
Low Side Output	-	-	-	6	-	-	-	-	-
Half Bridge Output	6	10	6	10	6	10	10	10	10
Inputs									
Universal Digital Input	7	12	8	12	7	12	12	12	12
Digital Input	-	4	-	4	-	4	4	4	4
Analogue Voltage Input	8	17	8	17	8	17	17	17	17
Analogue Temperature Input	4	6	4	6	4	6	6	6	6
Lambda Narrow Input	0	2	0	2	0	2	2	2	2
Knock Input	2	4	2	4	2	4	4	4	4
Communications									
CAN Bus	1	3	1	3	1	3	3	3	3
RS232 Port	1^	1	0	1	1^	1	1	1	1
LIN Bus	1^	1	0	1	1^	1	1	1	1
Flash Memory (MB)	256#	256	256	256	256	256	256	256	256
Physical Size (mm)									
107x127x39 (mm)	✓		✓		✓				
162x127x39 (mm)		✓		✓		✓	✓	✓	✓
Weight (g)	290g	450g	310g	490g	290g	490g	490g	530g	530g
No. of Connectors									
Plastic	2	4			2	4	4		
Autosport			1	3				3	3
Pins	60	120	66	136	60	120	120	136	136