

<b>FUNCTIONS</b>	<b>SL4</b>	<b>SL6</b>	<b>SL8</b>	<b>KV8</b>	<b>KV12</b>	<b>KV16</b>
Injector Channels	4	6	8	8	12	16
Injector Peak & Hold	No	No	No	Yes	Yes	Yes
Ignition Channels	4	6	8	8	12	12
Auxiliary Channels Total	10	10	10	16	16	16
Auxiliary Channels (High Side) <sup>1</sup>	4	4	4	8	12	12
Auxiliary Channels (Half Bridge) <sup>2</sup>	2	2	2	4	8	8
DBW Channels	1	1	1	2	4	4
Dedicated EFI Relay Control	Yes	Yes	Yes	Yes	Yes	Yes
<b>ANALOG AND DIGITAL CHANNELS</b>						
Analog Input Channels	10	10	10	16	16	16
Digital Input Channels	8	6/8	6/8	14	14	14
Analog Output Channels	0	0	0	1	1	1
Knock Channels	1	2	2	2	2	2
DI Arming Threshold Ctrl <sup>3</sup>	DI 1-4	DI 1-4	DI 1-4	DI 1-8	DI 1-8	DI 1-8
5.0V Sensor Supply Channels	1	1	1	2	2	2
<b>INTERNAL FEATURES</b>						
Lambda Internal (LSU4.9)	No	No	No	Yes	Yes	Yes
3-Axis Internal G-Force	Yes	Yes	Yes	Yes	Yes	Yes
Oscilloscope Channels <sup>4</sup>	2	2	2	6	10	10
Ethernet Communications	Yes	Yes	Yes	Yes	Yes	Yes
CAN Channels	2	2	2	2	2	2
Dual 100Mhz Processors	Yes	Yes	Yes	Yes	Yes	Yes

<b>ECU DATA LOGGING</b>	<b>SL4</b>	<b>SL6</b>	<b>SL8</b>	<b>KV8</b>	<b>KV12</b>	<b>KV16</b>
Data Logging Size	16MB	16MB	16MB	32MB	32MB	32MB
Data Logging Max Rate	250Hz	250Hz	250Hz	500Hz	500Hz	500Hz
Number of Parameters	600	600	600	600	600	600

### 1 Auxiliary Channels with **High Side Option**

SL4/6/8 - High Side Drivers on Auxiliary Channels 5 - 8

KV8+ - High Side Drivers on Auxiliary Channels 1 - 8

### 2 Auxiliary Channels **Configured as Half Bridge**

SL4/6/8 - Auxiliary Channels 9, 10 Half Bridge

KV8 - Auxiliary Channels 9 - 12 Half Bridge, Auxiliary Channels 13 - 16 Low or High Side

KV12/16 - Auxiliary Channels 9 - 16 Half Bridge

### 3 Digital Inputs **Frequency Arming Thresholds**

SL4/6/8 - DI 5 - 8 have a fixed frequency arming thresholds. Arming at 1.6 V and disarming at 1.4 V

**NOTE:** This **ONLY** applies to frequency based signals. Switched inputs still retain ON/OFF thresholds

### 4 **Oscilloscope Function**

SL4/6/8 - x2 Channels: Crank and Cam Sensors

KV8 - x6 Channels: Crank, Cam and DI 1 - 4

KV12/16 - x10 Channels: Crank, Cam and DI 1 - 8