Cummins ISL G Engine

Electronic Components

Power Battery Key Switch
Sensors
CTB
Fuel Temp (2)
INTS
Humidity
CTF
EGR Valve Position
EGT
Turbine Inlet Temp
Catalyst Temp
Mass Air Flow
Gas Mass Flow
O2
MAP
CP
EGR T
EGR DP
FPS
OPS
EPS
ESS
VEE
CLS
TIPS
APS
Knock (2)

Switches
Clutch
Brake
Cruise
Engine Brake
Fan
Accel. Interlock
AC
Diagnostic

Communication
J1939
J1939

ISL G Electronics

Input

Output
PCV (Fuel Metering)
ICM (Spark Timing)
FSV (Fuel Supply)
TP (Air)
EGR Valve (NOx Control)
WGCV (Boost)
Fan Clutch & Accessories
Fault Lamps
ETC.

Engine Position Sensor

Engine Speed Sensor
Secondary Fuel Pressure and Temperature Sensor

Mixer Inlet Pressure Sensor

Manifold Absolute Pressure / Temperature Sensor

Oil Pressure Sensor
Knock Sensors

Exhaust Gas Oxygen Sensor (Catalyst Inlet Oxygen)

Exhaust Gas Oxygen Sensor (Catalyst Outlet Oxygen)

Exhaust Gas Temperature Sensor (Catalyst Outlet Temperature)
Compressor Inlet Pressure

Mass Air Flow Sensor