



FEDERATION INTERNATIONALE DE L'AUTOMOBILE

To:	Philippe Leuwers (Texys)		
Cc:	Charlie Whiting (FIA), Alan Prudom (FIA), Simon Busby (FIA), Andy Leitch (FIA)		
From:	Olivier Hulot (FIA)		
Date:	12 th January 2010	Pages:	5
Subject:	Homologation of Texys components for the FIA Standard ECU		

Dear Philippe,

The following table provides a list of the Texys components homologated for use with the FIA Standard ECU.

Type	Name	Supplier part number	Identification	Description and comments	Category	Documentation	Sample
Accelerometer	AC – CAP - range	ACC	Labelled Texense ACC or A ymmnnnn where: y = year mm = month nnnn = sensor number for the year y.	ACC Capacitive. Single, double or triple axis versions. Strategy accelerometer	B	Texense accelerometer datasheets.	1x AC-CAP-X one axis longitudinal 5g received on 26/11/2007
Accelerometer	AC – GAS - range	ACG	Labelled Texense ACG or A ymmnnnn where: y = year mm = month nnnn = sensor number for the year y.	ACG Gas. Strategy accelerometer	B	Texense accelerometer datasheet.	1x AC-GAS-X one axis longitudinal 5g received on 26/11/2007
Angular rate sensor	Gyr - Range	Gyro	Labelled Texense Gyro or G ymmnnnn where: y = year mm = month nnnn = sensor number for the year y.	Used for logging the gyro angular rate for trajectory tracking.	C	Texense gyro datasheet.	Not required



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Angular rate sensor	Double Gyro	2xGyro	Labelled Texense 2xGyro or G ymmnnnn where: y = year mm = month nnnn = sensor number for the year y.	Double gyro with filter (10th order at 40Hz). Used for logging the gyro angular rate for trajectory tracking.	C	Texense gyro datasheet.	Not required
Angular rate sensor	3 axis Gyro	GYRN3	Labelled G ymmnnnn where: y = year mm = month nnnn = sensor number for the year y.	3 axis gyro with filter (5th order at 40Hz). Used for logging the gyro angular rate for trajectory tracking.	C	GYRN3 datasheet.	Not required
Pitot sensor	PI-6 or PI-4	PI-6 or PI-4	Labelled Texense PI-6+ range mbars or Texense PI-4 + range mbars P ymmnnnn where: y = year mm = month nnnn = sensor number for the year y.	Pitot tube diameter 6mm or 4mm with a differential pressure sensor. Typical use in aerodynamics	C	Texense pitot sensor datasheet.	Not required
Pressure sensor	4WDP	4WDP	Labelled Texense DPL or P ymmnnnn where: y = year mm = month nnnn = sensor number for the year y.	Differential pressure sensor for aero measurements. Module of 4 sensors. Includes 10th order filter at 40Hz.	C	Texense dry air differential low pressure sensor datasheet	Not required
Strain gauge	SGA	SGA	Labelled Texense SGA or X ymmnnnn where: y = year mm = month nnnn = sensor number for the year y.	Strain Gauge with integrated amplifier on push rod ends	B	Texense strain gauge bonding and amplifier datasheet.	1x SGA strain gauge bonding with amplifier received on 26/11/2007



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Strain gauge amplifier	XN2.1	XN2.1	Labelled X ymmnnnn where: y = year mm = month nnnn = sensor number for the year y.	Strain gauge amplifier used for the measurement of pushrod loads. Programmed during manufacture with calibration information.	B	Datasheet.	Sample received on 04/01/2010
Temperature sensor	INF - 1000 INF - 1200 INF - 150 INF - 200CL INF - 200W INF - 200 INF-RM-500 INF-RM-700 INF-RM-1000	INF - 1000 INF - 1200 INF - 150 INF - 200CL INF - 200W INF - 200 INF-RM-500 INF-RM-700 INF-RM-1000	Labelled Texense INFT-1000 Texense INFB-1000 Texense INFT-1200 Texense INFB-1200 Texense INFT-150 Texense INFT-200 CL Texense INFB-200 CL Texense INFT-200 W Texense INFBU-200 W Texense INFT-200 Texense INFB-200 Texense INF-RM-500 Texense INF-RM-700 Texense INF-RM-1000 Texense INF-CLT-500 Texense INF-TCT-200 Texense INF-CLT-700 or I ymmnnnn where: y = year mm = month nnnn = sensor number for the year y.	Infrared sensor. Brake Disk Temperature. Tyre temperature monitoring. Clutch temperature monitoring. This component covers different mechanical packaging (letter B or T), angle and remote electronics.	B	Texense infrared temperature sensor datasheet, calibration information and mechanical outline.	1x INFT type 1000degC and 1x INFT type 1200degC received on 26/11/2007
Temperature sensor	INF 20:1	INF 20:1	Labelled Texense INFC-20:1 or Texense INFB-20:1 or I ymmnnnn where: y = year mm = month nnnn = sensor number for the year y.	Infrared sensor with pointing device. Tyre temperature monitoring. This component covers different mechanical packaging (letter B or T).	C	Texense infrared temperature sensor datasheet, calibration information and mechanical outline.	Not required



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Temperature sensor	THAK - 1250 THAK - 400 THAK - 200	THAK - 1250 THAK - 400 THAK - 200	Labelled Texense THAK - 1250 Texense THAK - 400 Texense THAK - 200 or T ymmnnnn where: y = year mm = month nnnn = sensor number for the year y.	K Type thermocouple amplifier. Typical use in engine applications.	B	Texense thermocouple amplifier datasheet and mechanical outline.	1x THAK-1250 1x THAK-400 1x THAK-200 received on 26/11/2007
Temperature sensor	IRN1 IRN2	IRN1 IRN2	Labelled l ymmnnnn where: y = year mm = month nnnn = sensor number for the year y.	Infrared temperature sensor Provides linear and digital outputs. Programmable device. Can be used for monitoring purpose only.	C	Texense IRN1 and IRN2 datasheets.	Not required
Temperature sensor	Pt100 and Pt1000	AMPT100 AMPT1000	Labelled Texense AMPT100 or Texense AMPT1000 Y ymmnnnn where: y = year mm = month nnnn = sensor number for the year y.	PT100 and PT1000 amplifier. Typical use in engine applications.	B	Texense amplifier datasheet.	1x AMPT100 amplifier received on 26/11/2007
Temperature sensor	IRN8 IRN8-F1	IRN8 IRN8-F1	Labelled l ymmnnnn where: y = year mm = month nnnn = sensor number for the year y.	8 channel infrared temperature sensor for CAN connection. Used for tyre temperature monitoring. Can be connected to CAN E or F of the standard ECU.	C	Specification and schematic.	Not required



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Temperature sensor conditioning	THN Digital Thermocouple Conditioner	THN	Labelled l ymmnnnn where: y = year mm = month nnnn = sensor number for the year y.	Conditioner for all thermocouple types. Provides linear (0-5V or 0-10V) and digital (5Hz serial port over USB input) outputs. Can be used for monitoring purpose only.	C	Specification.	Not required

Best regards,

A handwritten signature in black ink, appearing to read 'Hulot', written over a horizontal line.

Olivier Hulot
FIA Formula 1 Technical Department