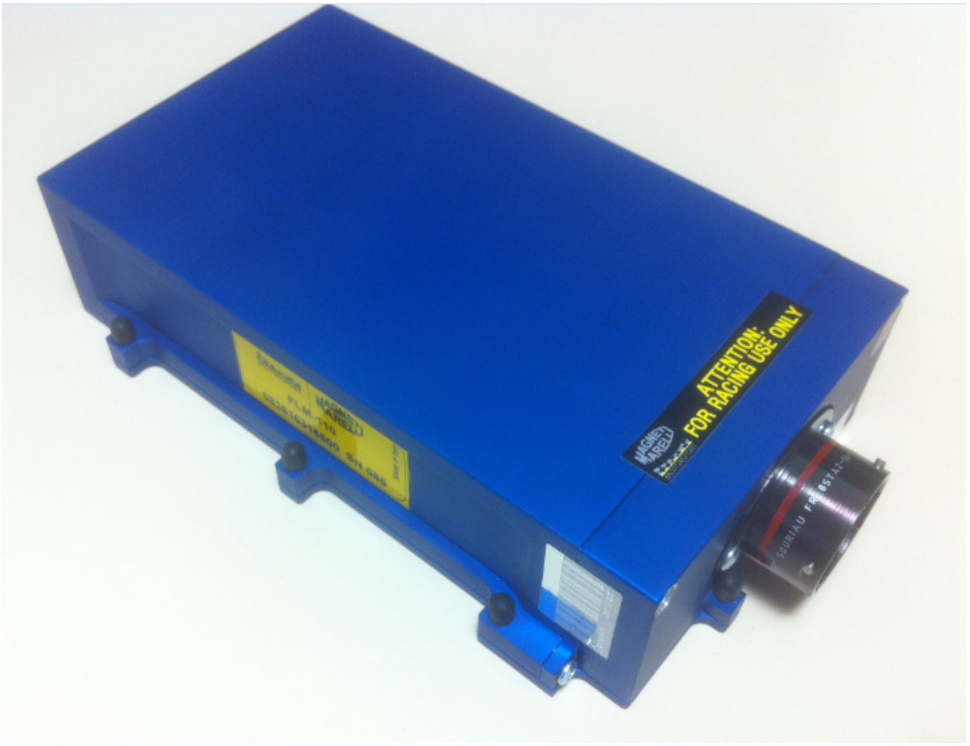
SYSTEM FIA DATA LOGGER



USER NOTICE

Release	Date		Comments
1.7_GTCup	27/02/2015	RL	Up grade to GTCup cars
1.8_GTCup	07/04/2015	LG	Removal of sensors not used
1.9_GTCup	16/04/2015	RL	Removal paibox sensor, Turbo kit,sensors extends not used.
2.0_GTCup	30/03/16	RL	Minor update
2.1_GTCup	05/04/17	RL	Drawing, details, loom updated

Table of contents

TABLE OF CONTENTS 3

STANDARD ITEMS SUPPLIED IN THE KIT 4

CONTACTS LIST ORDER 5

ARCHITECTURE 6

MAIN LOOM DESIGN 7

CAR LOOM CONNECTION 8

ETHERNET LOOM FIXING 8

SYSTEM CONNECTIONS 9

FLM (FIA DATA LOGGER) MAGNETI MARELLI 10-11

LMM (LEDS MODULE) 12

CAR POSITIONING SYSTEM 13

STANDARD ITEMS SUPPLIED IN THE KIT

KIT SGTCup/GTCup: 6 items
083816316600 - MEMORIA DATI * FLM-110
083823343900 - LMM-011_LED_MODULE
083823321500 - FLM-110 KIT_TRAY
083817341500 - CPS-221
083820277500 - GPS UBLOX ACTIVE ANTENNA
083821465800 - 2016 FIAGT3 Wiring Loom - Reworked -

CONTACTS LIST ORDER

Please send orders and account information to:

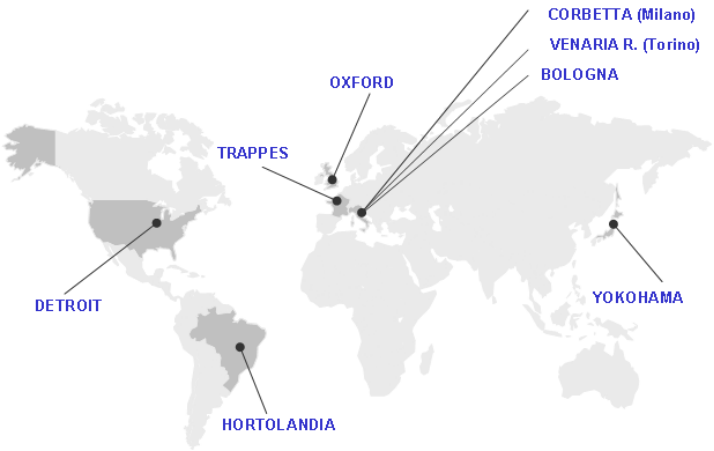
Orders Mailbox	GTACI@MAGNETIMARELLI.COM	Subject: GT ACI

For any commercial issue contact:

Annamaria COLAMONICO	annamaria.colamonico@magnetimarelli.com	Tel: + 39 02 972 26698
Lorenzo GIANNOTTI	lorenzo.giannotti@magnetimarelli.com	Tel: + 39 02 972 27565 Mobile: +33 366 7899084

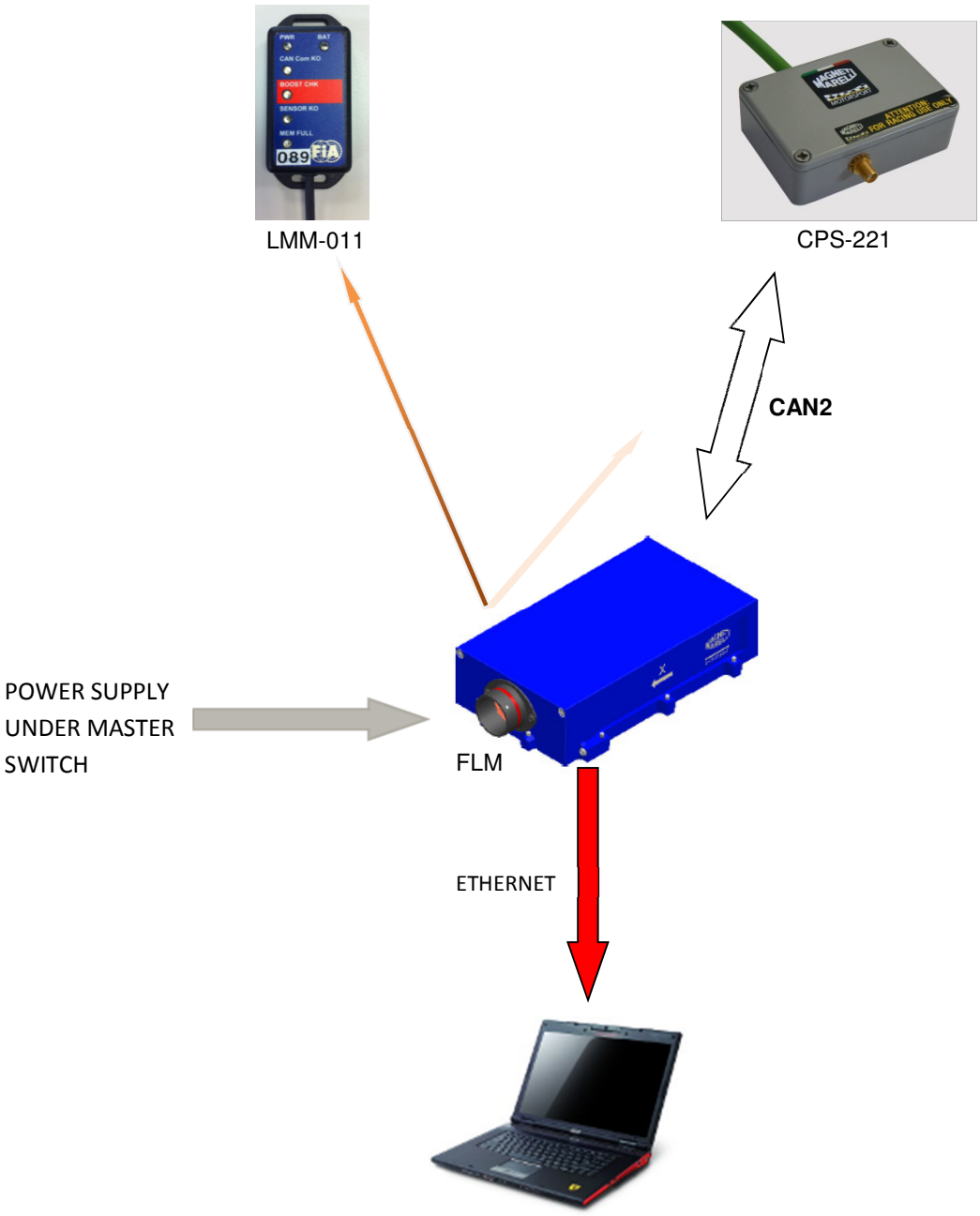
Please send technical information/request to:

Rosario LIBERTELLA	rosario.libertella@magnetimarelli.com	Tel: + 39 051 6157365 Mobile: + 39 331 6300159

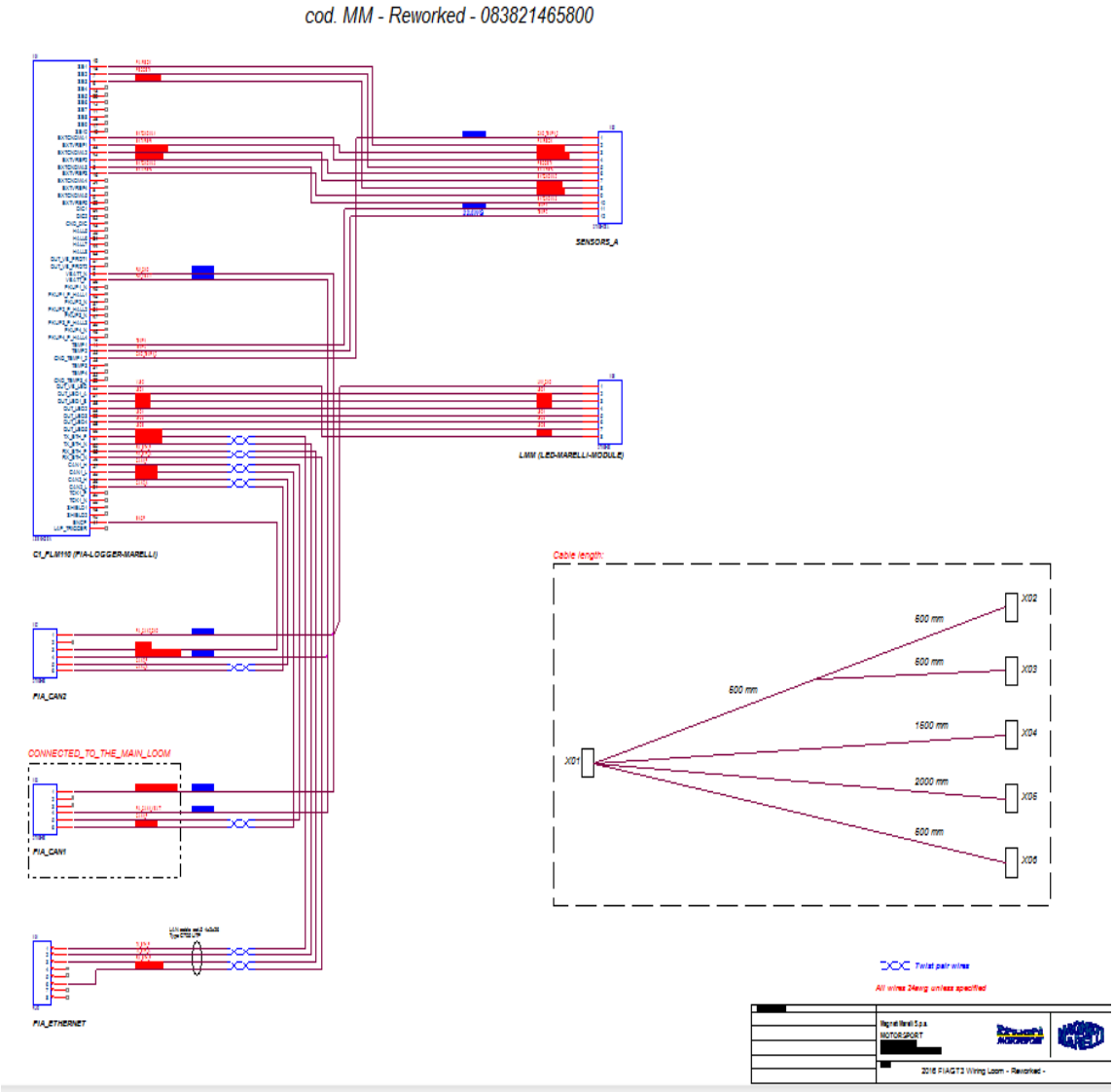


Magneti Marelli Motorsport world wide

ARCHITECTURE



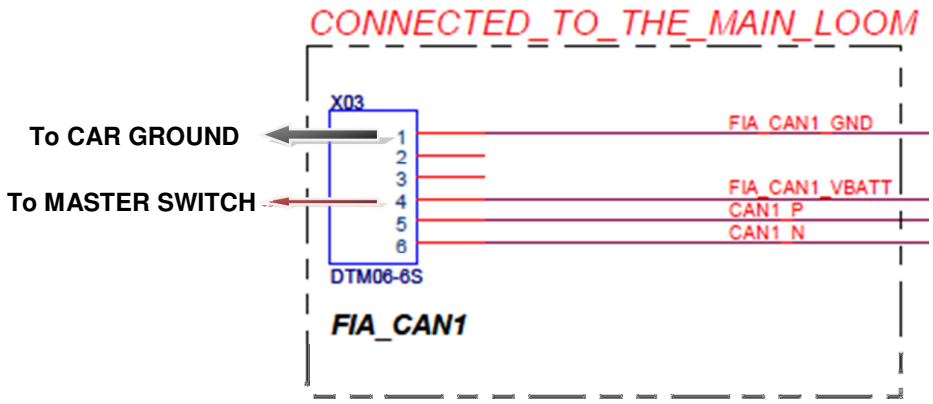
MAIN LOOM DESIGN

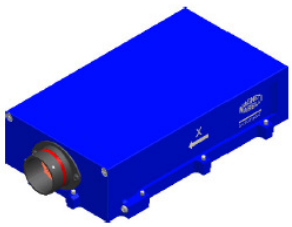


Adobe Acrobat Document

CAR LOOM CONNECTION

Power : 12v. 2 Amp. through Car Main-Loom connector
All connectors plastic DTM except for FLM : type military Souriau





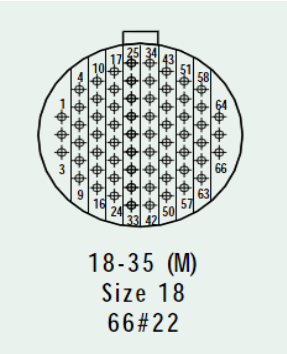
ETHERNET LOOM FIXING

Ethernet loom must be easily accessible (no strap to cut)
It must be fixed with Velcro on 80 cm length



SYSTEM CONNECTIONS

FLM Connector



SOURIAU AS

LOOM : AS618-35SN

FLM: AS018-35SPN

CAN Connectors



DEUTSCH DTM 6 way

PWR_SUPPLY → CAR MAIN LOOM

LOOM : DTM06-6S

CAR : DTM04-6P

CAN2 → CPS221

LOOM : DTM06-6S

CPS-221 : DTM04-6P

LMM Connector



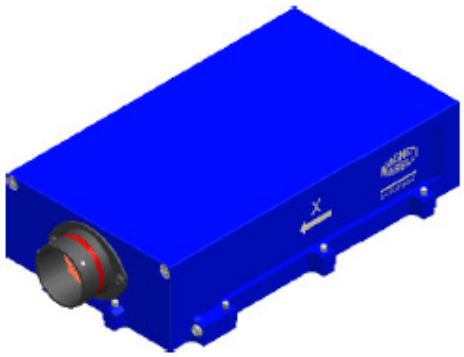
DEUTSCH DTM 8 way

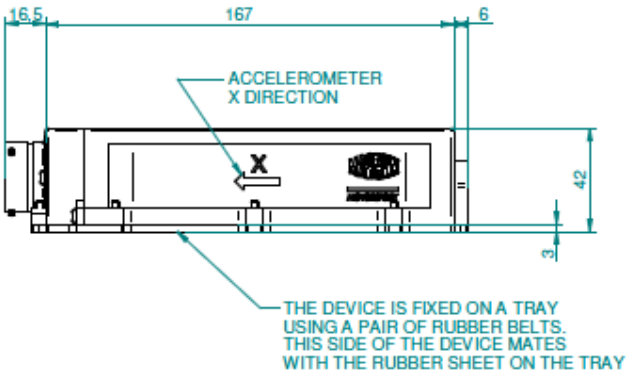
LOOM : DTM06-8S

LMM : DTM04-8P

All connectors on FLM loom must be easily accessible

FLM (FIA Data Logger) MAGNETI MARELLI





** FLM must be installed with arrows X ➔ in direction of car displacement



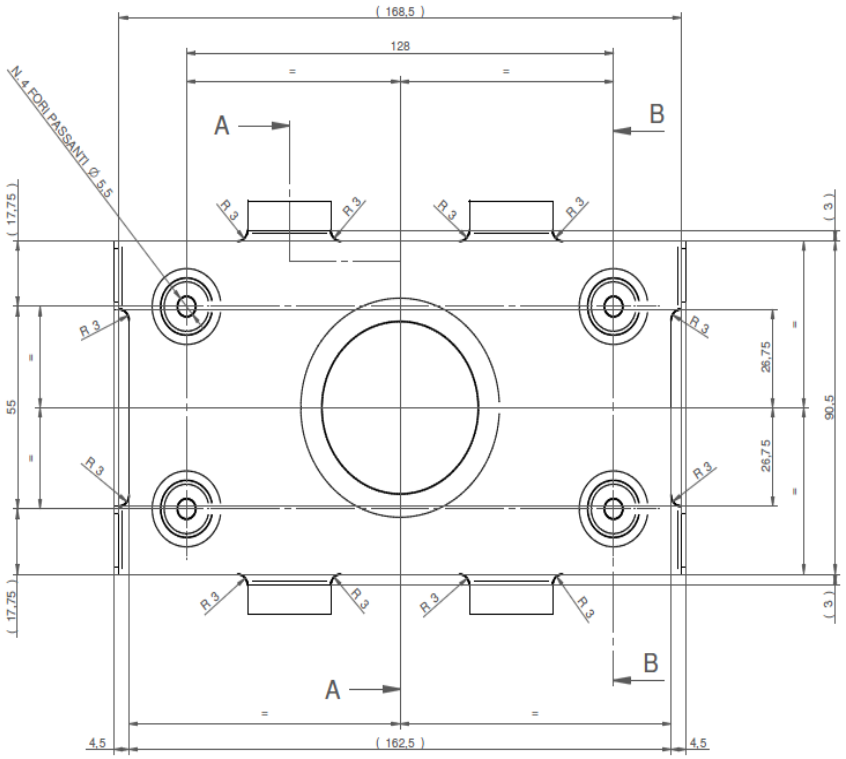
REAR CAR FRONT



BRACKETS






(168,5)
128
A
B
N.4 FORI PASSANTI Ø 5,5
R 3
(17,75)
(3)
55
26,75
26,75
90,5
4,5
(162,5)

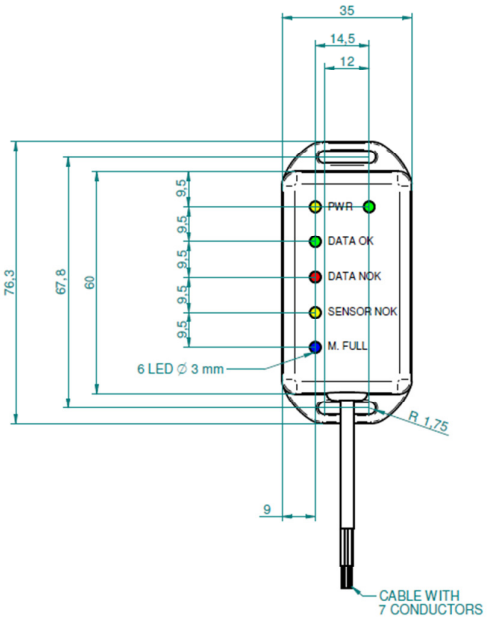
LMM (Leds Module)

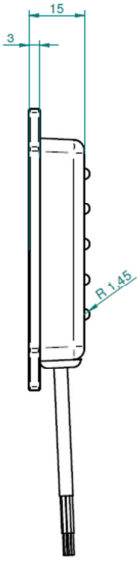


This module contains only 6 Leds

POWER
BAT
CAN Com KO
BOOST CHK
Sensor KO
6. Memory FULL

- IP64
- Fixation with Velcro or tyrap.





This module must be fixed on FLM with velcro

CAR POSITIONING SYSTEM

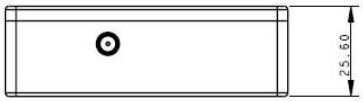
1. GPS module – CPS 221

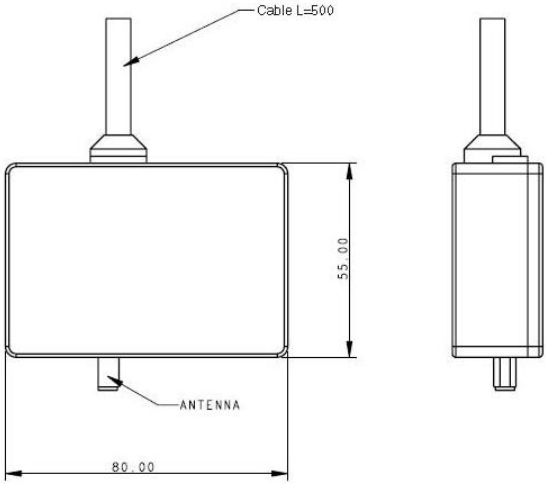


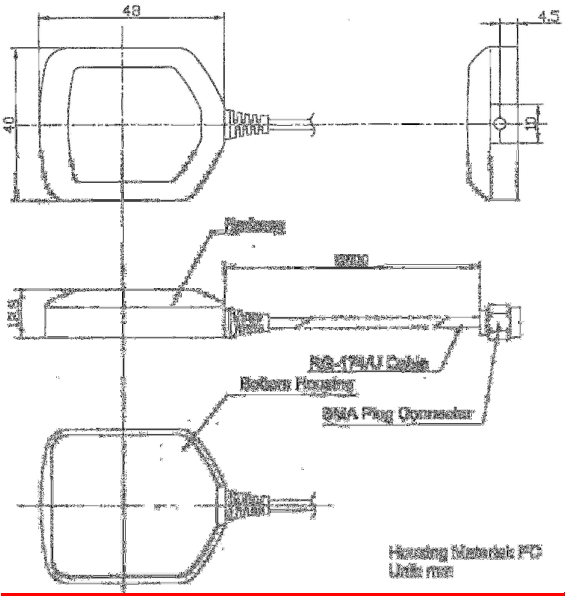
The GPS module transmits to FLM all the information available on the NMEA standard thought CAN line (e.g. position coordinates, speed etc..) with a frequency of 10 Hz.
This module is used for Lap-Marker and Car position.

- Fixation with Velcro or tyrap.

Pin Out CPS-220 (Cable)		
	Function	wire
Inputs		
Single ended 12bit	2	2
Outputs		
Digital output	2	2
Communication		
CAN line	1	2
Miscellaneous		
VBATT	1	2
ENCP	1	1
Analog ground	1	1
	Total	**10**







This module must be accessible and fixed with velcro