D100TFT
technical brochure

ITALIAN DESIGN
SOFTWARE CUSTOMIZATION
SAFETY CARE
OPERATOR ORIENTED

General Description

D100TFT is a new concept of diameter 100mm instrument series. With a consolidated shape but new concept of visualization with an high visible TFT color display , equipped with **1 CANBUS line and several I/O lines** with D100TFT and **12 LED** indicators is possible to control all the machinery functions.

TECHNICAL FEATURES

Operating voltage: *8 – 32 Vdc, protected against reverse polarity*

Operating temperature: *-20°C +70°C*

Material: *PC- ABS + GLASS*

Sealing: *IP65*

CPU: *- 16 bit Spansion microcontroller*

Memory: *- FLASH: 256,5KB + 32KB*
- RAM: 16KB

LCD IP TFT panel: *- Format: 2,4inch*
- Resolution: 240x320 dots
- Orientation: Landscape or portrait
- Backlight: LED 700cd/m²
- Contrast ratio: 800

2 *Pushbutton*
15 *Digital INPUT (active high or low settable by SW)*
2 *Analog INPUT (resistive type)*
2 *Frequency INPUT*
2 *protected HIGH SIDE OUTPUT 4A*

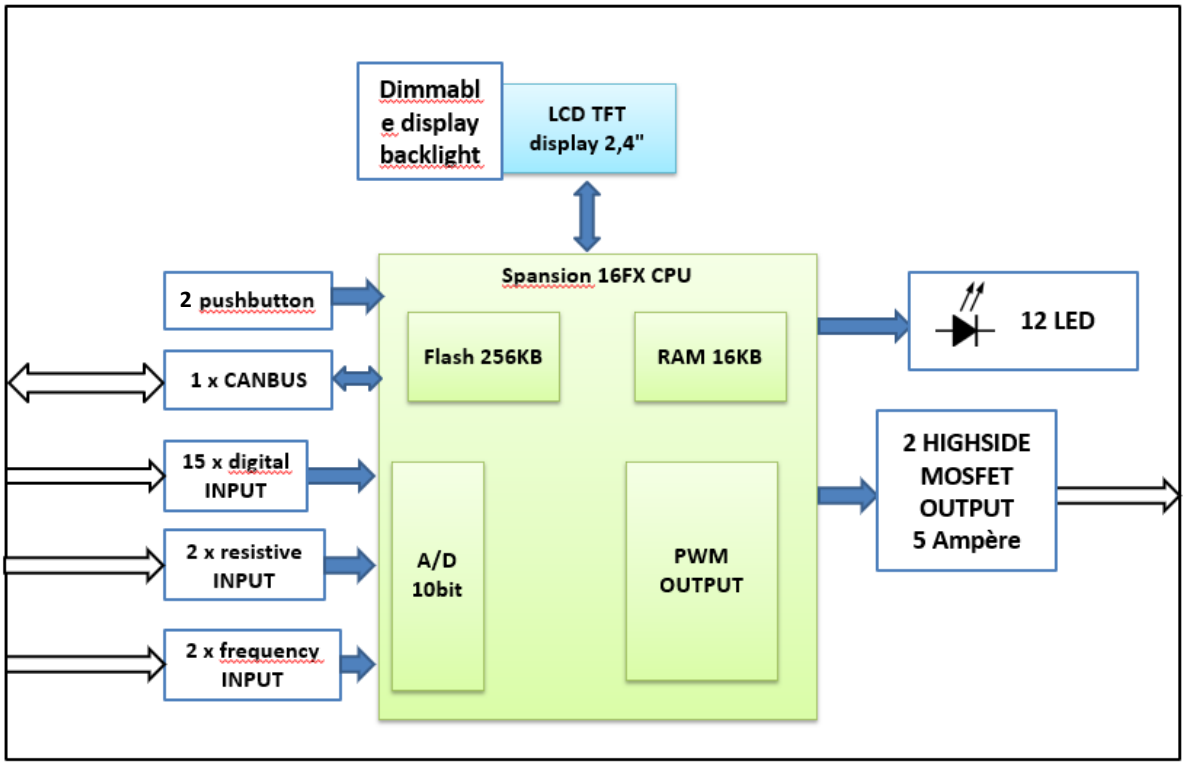
1 CANBUS 2.0 part A and B up to 1Mbps (ISO 11898 standard)

1 Connector tyco 6437288-6

Programmable in C language

CAN bootloader for FW upgrade

Block diagram



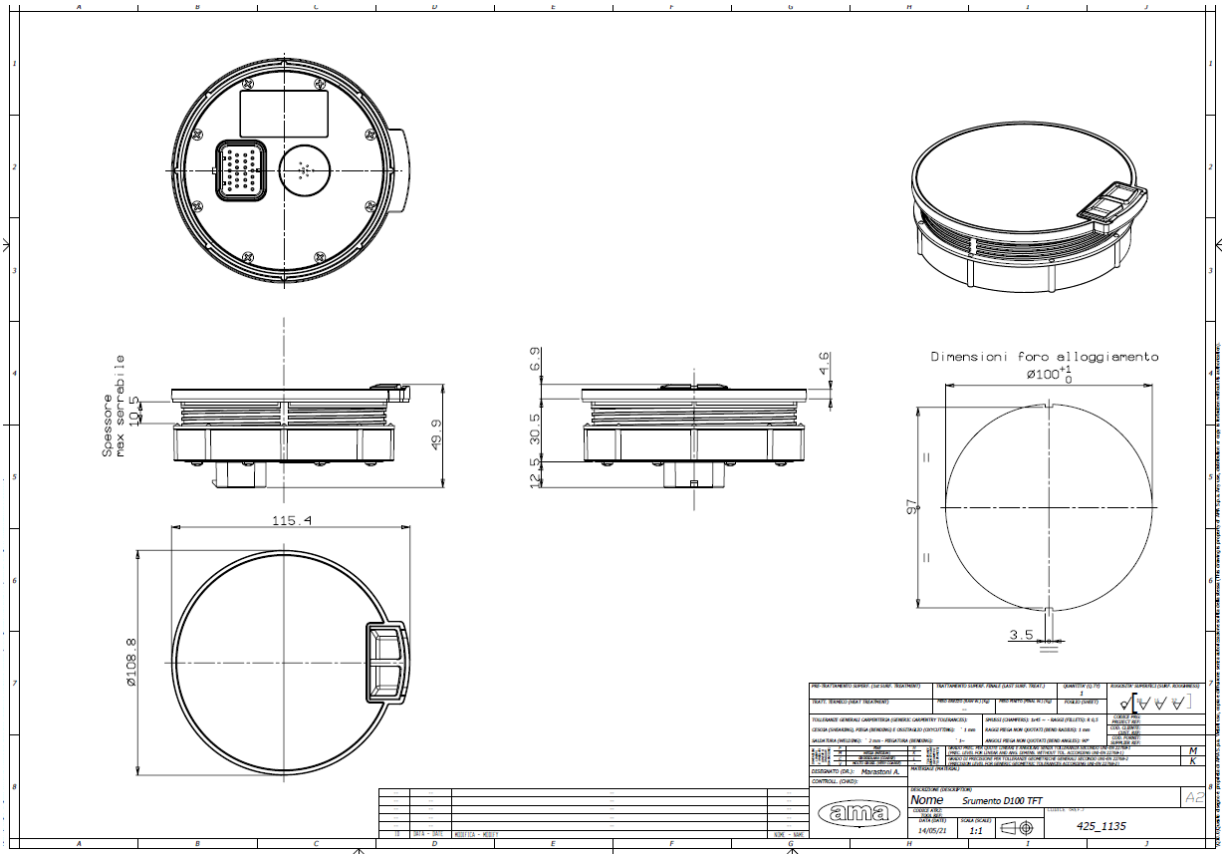
PINOUT CONNECTION

PIN	Function
1	Digital INPUT/OUT2 HSD 5A (*)
2	Resistive INPUT
3	Resistive INPUT
4	Digital INPUT
5	Digital INPUT
6	Digital INPUT
7	Digital INPUT
8	Digital INPUT
9	Digital INPUT
10	Digital INPUT
11	Digital INPUT
12	Digital INPUT
13	Digital INPUT
14	Digital INPUT
15	Frequency INPUT
16	Digital INPUT
17	Digital INPUT/UART TX TTL OUT (**)
18	Digital INPUT/UART RX TTL OUT (**)
19	Digital INPUT
20	Frequency INPUT
21	CAN H
22	CAN L
23	GND
24	OUT1 (HSD 5A)
25	VCC (+30)
26	IGNITION KEY (+15)

(*) function selectable via FW
(**) function selectable in factory

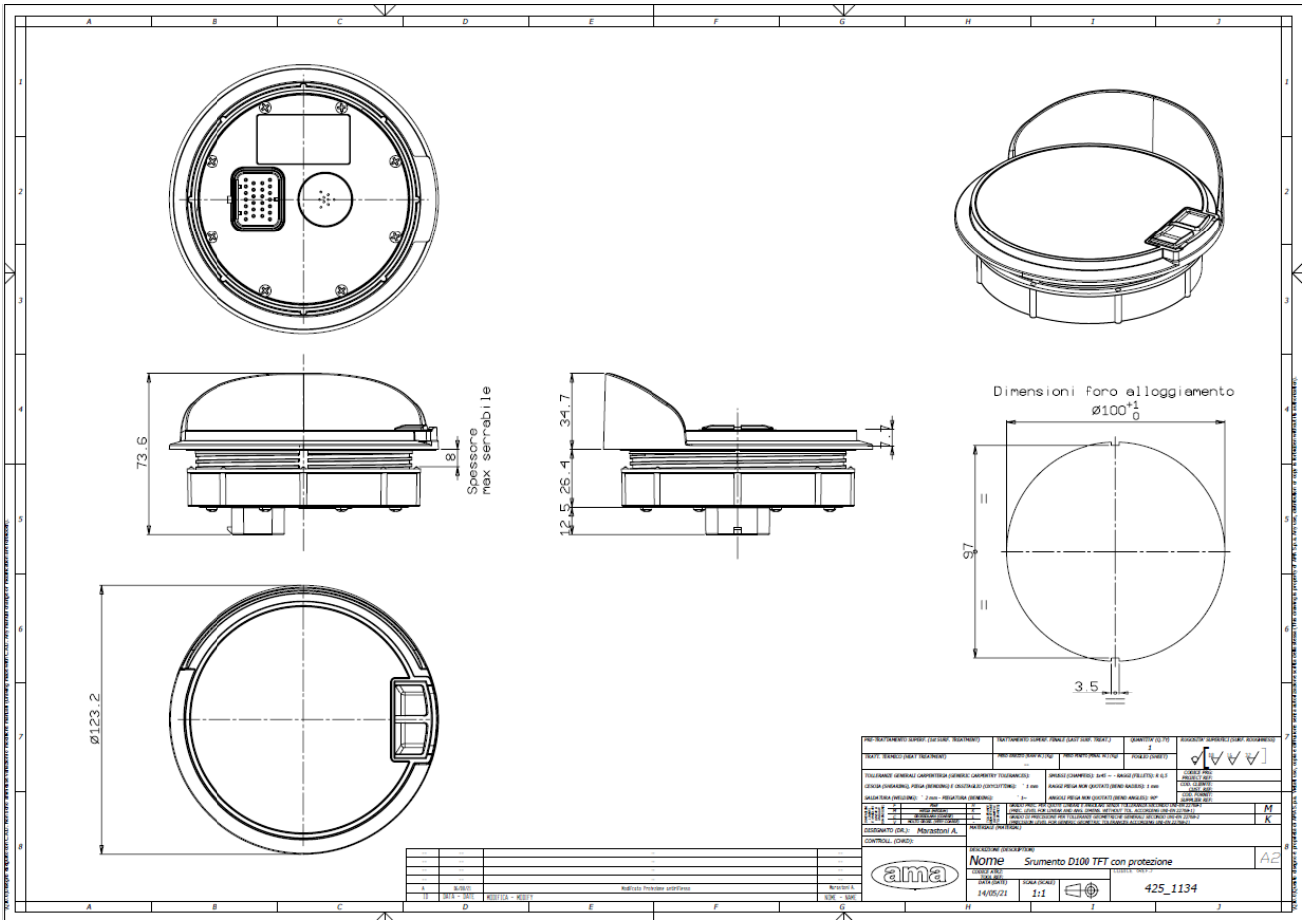
OVERALL DIMENSION

WITHOUT SUN PROTECTION



OVERALL DIMENSION

WITH SUN PROTECTION



Strumentazione analogica-digitale, centraline elettroniche e spie

Analog-Digital instruments, Electronic Control Board & Indicators

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AZIENDA CON SISTEMA DI GESTIONE PER LA QUALITÀ CERTIFICATO DA DNV = UNI EN ISO 9001:2008 =