DESCRIPTION:
World Compattino™ is a self-contained, compact instrument cluster designed especially for off-highway equipment and specialty vehicles. The cluster is an update to a well established Maxima design, recently selected by leading CE and AG OEMs for use in vehicles sold in global markets. There are 2 models: Base, in an analog format, and Deluxe in CAN-bus. Units feature stepper motors, LED lighting and LCD or dot-matrix displays for improved reliability and user functionality.

FEATURES:

- “Standard” platform—reduces NRE and NPD time
- Flexible architecture: Analog or CAN
- Fuel and temperature gauges; tachometer, 3k RPM
- Stepper motors for improved reliability & accuracy
- Green and red zones for dials
- UV and scratch-resistant overlay design
- Single-line LCD or dot-matrix (128 x 64); LED backlight
- 19 LEDs; LED backlighting for gauges and pointer
- Easy installation in panel and connection to harness

INPUTS/OUTPUTS (SUMMARY):

- 12 configurable STB or STG inputs
- 1 CAN port (configurable as STB or STG)
- 4 STG only inputs
- 3 analog inputs
- 1 ignition, 1 frequency, 1 power and 1 ground input
- 1 output driver, high- or low-side type

COMMUNICATION LINK (DELUXE MODEL):

- SAE J1939 CAN interface

PIN ASSIGNMENTS:

<table>
<thead>
<tr>
<th>PIN NUMBER/INPUT TYPE (NAME)</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. STB/STG (Config_IN3)</td>
<td>14. HS/LS Driver (S.O.)</td>
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<tr>
<td>2. STB/STG (Config_IN4)</td>
<td>15. CAN High(Config_IN4_C-)</td>
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<td>3. STB/STG (Config_IN5)</td>
<td>16. CAN Low (Config_IN5_C+)</td>
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<td>4. STB/STG (Config_IN6)</td>
<td>17. Frequency (Freq_Input)</td>
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<td>5. STB/STG (Config_IN7)</td>
<td>18. Analog-Res. (Analog_IN1)</td>
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<td>6. STB/STG (Config_IN8)</td>
<td>19. Analog-Res. (Analog_IN2)</td>
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<tr>
<td>7. STB/STG (Config_IN9)</td>
<td>20. Analog-Res. (Analog_IN3)</td>
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<tr>
<td>8. STB/STG (Config_IN10)</td>
<td>21. STG (STG1)</td>
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<td>9. STB/STG (Config_IN11)</td>
<td>22. STG (STG2)</td>
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<td>10. STB/STG (Config_IN12)</td>
<td>23. STG (STG3)</td>
</tr>
<tr>
<td>11. Power Input (Battery +)</td>
<td>24. STG (STG4)</td>
</tr>
<tr>
<td>12. STB/STG (Config_IN2)</td>
<td>25. STB/Power (Ignition)</td>
</tr>
<tr>
<td>13. Ground (Ground)</td>
<td>26. STB/STG (Config_IN2)</td>
</tr>
</tbody>
</table>


ELECTRICAL:

- Voltage: 12V nominal, 9-16V range; 24V optional
- Electrical protection: Reverse polarity, transients including load-dump, over-voltage and ESD
- Red, green, amber and blue LEDs
- EMC per ISO 17366

ENVIRONMENTAL:

- Operating/storage temperature: -40°C to +85°C
- Sealing: IP 67 front, IP 66 rear
- Compliant with SAE standards

PHYSICAL CHARACTERISTICS:

- Overall dimensions: 230 x 120 x 47.5 mm
- Weight: 0.44 kg (0.96 lbs)
- Mounting: Panel installation via 4 tabs
- Materials: Engineering resin enclosure, PC overlay

CONNECTOR:

- 26-pin Amp connector

CUSTOMIZATION OPTIONS:

Customization is possible, e.g. overlay and dials colors and graphics, LED configurations, electrical matches & tachometer inputs. Deluxe CAN model includes a dot-matrix display, but the single-line LCD can be used for this model too. Maxima can provide fuel, temperature and pressure senders, as well as speed sensors to ensure a “matched” system.

Consult with your salesperson for more details.