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SWITCH PANELS



ELECTRONIC & SOFTWARE DESIGN

INTEGRATION OF COMMUNICATION PROTOCOLS SUCH AS CANOPEN, CAN J1939, ISOBUS, USB & RS432

APEM EXCLUSIVE



EASY FRONT MOUNTING



CONSISTENT BACKLIGHTING, NO VISUAL FATIGUE



FRONT MOUNTED EXTRA SLIM BACKLIT KEYBOARD

3.24 mm +0.4/-0.2

OUR RANGE

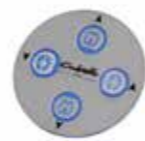
For more information, see APEM website

EQUIPMENT

APEM designs and manufactures complete custom panels incorporating keyboards, switches, joysticks and other discrete components from our extensive range of products or qualified suppliers.

Our internal electronic team allows for the integration of:

- Communication protocols: LIN, CAN, RS4xx, USB, ...
- Displays management: LCDs graphics, 5 segments & NVIS LEDs
- Extreme ambient conditions : ESD, EMI, hot & cold
- Power supply: power converter, filter and protection of power network



HARSH ENVIRONMENT KEYBOARD	MEMBRANE KEYPAD	THIN BACKLIGHTED	FILM IN MOLD	METAL KEYBOARD	CAPACITIVE	ELASTOMER KEYBOARD	PIEZO KEYBOARD	MEC BASED KEYBOARD
<p>Our ruggedized keyboards combine critical electronic and software design expertise, along with our core knowledge of milling, printing and discrete switch integration.</p> <p>APEM's extensive development process allows us to meet critical military specifications such as MIL, STANAG and GAN.</p>	<p>Our ISO9001 and ISO14000 qualified facilities allow the supply of high quality membrane keypads, meeting the expectations of demanding applications, markets and customers, at a competitive price..</p>	<p>The APEM thin backlit panel enables the use of front mounted interface products with a high quality backlit design and status LED indicators.</p> <p>This 3mm thick keyboard will easily allow membrane keypad users to bring backlit features to their products.</p>	<p>The APEM Film In Mold (FIM) technology features molded pushbuttons designed into a printed plastic film.</p> <p>The FIM technology combines an extremely low profile keypad with durable markings at a competitive price for large quantities.</p>	<p>APEM's stainless steel keyboards meet the highest level of vandal resistant specifications (IK10) with a visually appealing design.</p> <p>Resistant to the harshest environments, our stainless steel keyboards are weather proof and can withstand most corrosive agents.</p>	<p>APEM designs and manufactures capacitive keyboards to compliment its range of capacitive buttons.</p> <p>Made with either polycarbonate or glass filled materials, the APEM capacitive keyboards meet the strict requirements necessary in critical applications including shock resistance.</p>	<p>The APEM elastomer keyboards offer a low cost, customizable solution for harsh environments with sealing up to IP69K and standard communication protocols including CAN, USB & RS432.</p> <p>Designs may include detailed backlighting options and custom actuation travel up to 3.5mm.</p>	<p>The APEM Piezo keyboards incorporate a highly reliable pressure sensitive keypad in a visually appealing package.</p> <p>With the highest level of sealing, the Piezo keyboards consume no power when idle.</p>	<p>MEC based keyboards offer high end features including extreme sealing, exceptional illumination, durability and elegance.</p> <p>In the event of machine upgrades or accidental damage, the foil overlay is easily exchangeable.</p>