

Circuit Specifications

1. Dimensional Tolerances $\pm .015$
2. A) Thru holes .234 dia. (8 pls.)
B) and 1.950 x .950 rect. (2 pls.)
3. Radius corners .125 (4 pls.)
4. Mount on 6061 aluminum support panel with chemical film finish.
5. Termination traces to be .06 wide located on .100 centers as shown
6. Connector is a Berg 65801-021 to be supplied by vendor.
7. Circuit to be 4 x 5 X-Y matrix.
8. Vendor to determine connection pinouts. Pin 1 is marked.
9. Metalized Mylar ESD shielding between circuit and graphic layers.
10. Switch travel to be $.012 \pm .002$.
11. Actuation force to be 9 oz. ± 3 oz.
12. Loop resistance to be < 100 ohms.
13. Contact bounce to be < 20 milliseconds.
14. Switch must survive 750,000 cycles.

Graphic Specifications

15. Graphic overlay to be .007 thick velvet matte polycarbonate
16. All type to be Helvetica 12 point upper and lower case centered in quadrants as shown. Except as noted; "weight", "cow number" & "programmable feeding system" to be 20 pt.
17. Logo supplied to vendor to be .25 high.
18. Colors:
A) Process Black (background)
B) Process White (All borders)
C) Pantone Green #375 (all text)
19. Each keypad to be outlined by an emboss ridge .03 wide and .010 high (nominal)
20. Lenses:
A) LED windows to be Transparent Red (textured)
B) Rect. windows to be clear (non-textured)
C) Nonlegended keypads to be clear (to display insert card) and textured (see note 21)
21. Pocket for insert card to be free of adhesive
22. Operating and storage temperature range —
23. No tactile feedback required.
24. Register membrane switch to support panel edges when mounting.

Support Panel

25. Support panel to be supplied by vendor.
26. Support Panel to be not visible from front when assembled to membrane switch.
27. Panel to be Black Anodize finish.

NOTES: Unless otherwise specified

To ascertain whether your specific dimensional requirements are correct, we recommend you provide detailed drawings similar to those shown below.

