

INCH-POUND

MIL-PRF-83504/12B

23 February 2001

SUPERSEDING

MIL-PRF-83504/12A(USAF)

3 NOVEMBER 1989

PERFORMANCE SPECIFICATION SHEET

SWITCHES, DUAL IN-LINE PACKAGE (DIP), RECESSED SLIDE ACTUATED, SINGLE POLE, SINGLE THROW STATIONS, SEALED BASE, MACHINE INSERTABLE

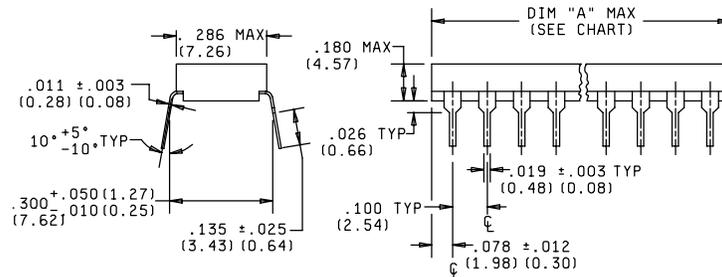
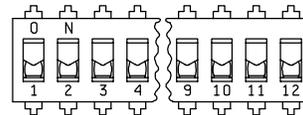
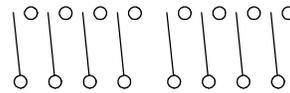
This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and the issue of the following specification listed in that issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation: MIL-PRF-83504.

Number of stations	Dimension "A" inches max.
2	.280 (7.11)
3	.380 (9.65)
4	.480 (12.19)
5	.580 (14.73)
6	.680 (17.27)
7	.780 (19.81)
8	.880 (22.35)
9	.980 (24.89)
10	1.080 (27.43)
11	1.180 (29.97)
12	1.280 (32.51)

CIRCUIT DIAGRAM

AS VIEWED FROM THE TOP OF THE SWITCH IN THE POSITION SHOWN.



See notes next page

FIGURE 1. Dimensions and configuration.

MIL-PRF-83504/12B

NOTES

1. Dimensions are in inches. Metric equivalents are given for information only.
2. Each switch station is shown in the "ON" position.
3. Each switch position shall be numbered as shown.
4. Exact shape of switch is optional, provided outline dimensions are not exceeded.
5. Design of terminals and standoffs are optional

REQUIREMENTS:

Material:

Body and slide actuator: Molded plastic.

Terminals: solderable.

Terminal sealing and solderability: The terminal potting material meniscus may extend to .030 inch maximum beyond the solder standoff.

Dimensions and configuration: See figure 1.

Seal: Sealed base. Temporary tape top seal.

Switch position and setting identification: See figure 1.

Orientation: See figure 1.

Operating force: 2.5 to 32 ounces.

Electrical ratings:

- 10 mA maximum at 50 mV, switching (resistive load)
- 100 mA maximum at 6 V dc, switching (resistive load)
- 25 mA maximum at 24 V dc, switching (resistive load).

Application note: In applications where the switch will mate with sockets or with panel boards, the user should consider the compatibility of the mating terminals with respect to finished and mechanical configurations.

Part or Identifying Number (PIN): M83504/12- (and dash number from table I).

TABLE I. Dash numbers and characteristics

Number of poles	2	3	4	5	6	7	8	9	10	11	12
Dash number	002	003	004	005	006	007	008	009	010	011	012

MIL-PRF-83504/12B

Custodians:
Air Force - 11
DLA - CC

Preparing activity:
DLA - CC

(Project 5930-1128-10)

Review activities:
Air Force - 99