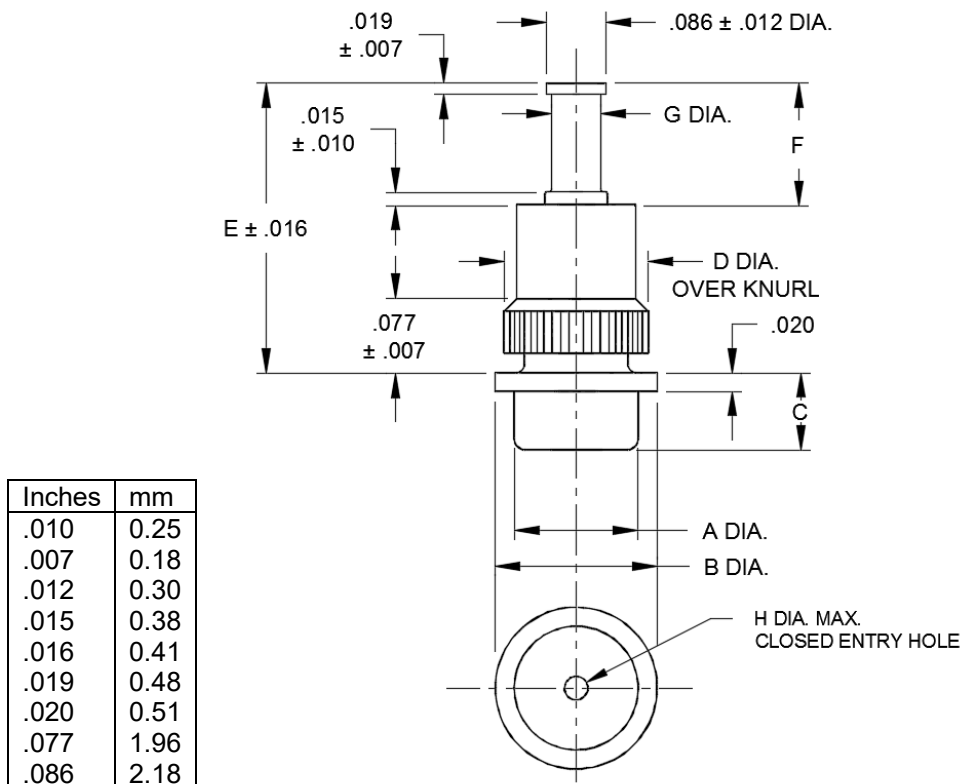


DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, TEST POINT TYPE, PANEL TYPE; SINGLE TEST POINT (HOLE
MOUNTING, PUSH-FIT), LOW VOLTAGE

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 MIL-DTL-39024.



NOTES:

1. Dimensions are in inches. (See table I for dimensions not shown on figure.) Metric equivalents are given for general information only.
2. Unless otherwise specified, tolerance is $\pm .010$ (0.25 mm)

FIGURE 1. Configuration and dimensions.

TABLE I. Design and identification data.

Dash number	Dimensions <u>1/</u>								Insulation
	A	B	C	D	E	F	G	H (max)	Color
-01	.250 (6.35)	.281 (7.14)	.093 (2.36)	.254 (6.45)	.574 (14.58)	.140 (3.56)	.055 (1.40)	.085 (2.16)	White
-02	"	"	"	"	"	"	"	"	Red
-03	"	"	"	"	"	"	"	"	Black
-04	"	"	"	"	"	"	"	"	Brown
-05	"	"	"	"	"	"	"	"	Green
-06	"	"	"	"	"	"	"	"	Orange
-07	"	"	"	"	"	"	"	"	Blue
-08	"	"	"	"	"	"	"	"	Yellow
-09	"	"	"	"	"	"	"	"	Gray
-10	"	"	"	"	"	"	"	"	Purple
-11	.177 (4.50)	.216 (5.49)	.098 (2.49)	.176 (4.47)	.315 (8.00)	.118 (3.00)	.039 (0.99)	.045 (1.14)	White
-12	"	"	"	"	"	"	"	"	Red
-13	"	"	"	"	"	"	"	"	Black
-14	"	"	"	"	"	"	"	"	Brown
-15	"	"	"	"	"	"	"	"	Green
-16	"	"	"	"	"	"	"	"	Orange
-17	"	"	"	"	"	"	"	"	Blue
-18	"	"	"	"	"	"	"	"	Yellow
-19	"	"	"	"	"	"	"	"	Gray
-20	"	"	"	"	"	"	"	"	Purple
-21	.250 (6.35)	.281 (7.14)	.156 (3.96)	.254 (6.45)	.400 (10.16)	.077 (1.96)	.075 (1.91)	.085 (2.16)	White
-22	"	"	"	"	"	"	"	"	Red
-23	"	"	"	"	"	"	"	"	Black
-24	"	"	"	"	"	"	"	"	Brown
-25	"	"	"	"	"	"	"	"	Green
-26	"	"	"	"	"	"	"	"	Orange
-27	"	"	"	"	"	"	"	"	Blue
-28	"	"	"	"	"	"	"	"	Yellow
-29	"	"	"	"	"	"	"	"	Gray
-30	"	"	"	"	"	"	"	"	Purple

1/ Metric equivalents are given in parentheses.

REQUIREMENTS:

Design and construction:

Dimensions and configuration: See figure 1 and table I.

Test probe: Shall be .437 inch (min). Length with diameter as follows:

Dash numbers	Probe dia. ($\pm .001$)
-01 thru -10	.080 inch
-11 thru -20	.040 inch
-21 thru -30	.080 inch

Dielectric withstanding voltage (at sea level):

Test voltage shall be as follows:

Dash numbers	Volts, rms (60 Hz)
-01 thru -10	3,000
-11 thru -20	2,500
-21 thru -30	4,000

Insertion and withdrawal forces:

Dash numbers	Insertion force	Withdrawal force
-01 thru -10	4.5 lbs (max)	0.50 lb (min)
-11 thru -20	3.0 lbs (max)	0.25 lb (min)
-21 thru -30	4.5 lbs (max)	0.50 lb (min)

Identification marking:

Part or Identifying Number (PIN): M39024/5-(dash number from table I).

OPERATING NOTES:

1. Operating voltage is as follows:

Dash numbers	At sea level	At 50,000 feet
-01 thru -10	2,000 volts rms, 60 Hz	525 volts rms, 60 Hz
-11 thru -20	1,800 volts rms, 60 Hz	500 volts rms, 60 Hz
-21 thru -30	3,000 volts rms, 60 Hz	775 volts rms, 60 Hz

2. Maximum thickness of panel on which these connectors may be used (and diameter of mounting holes in panel) is as follows:

Dash numbers	Max panel thickness	Mounting hole dia. ($\pm .001$)
-01 thru -10	.281 inch	.250 inch
-11 thru -20	.094 inch	.172 inch
-21 thru -30	.188 inch	.250 inch

Qualification: Not applicable.

First article inspection. First article inspection shall consist of Group A and B inspections. MIL-DTL-39024 paragraph 4.5 through 4.5.3.1.3 and Tables III through VII as applicable.

Conformance inspection. Inspection of successive lots for delivery shall consist of Group A inspections. MIL-DTL-39024 paragraph 4.5 through 4.5.3.1.3 and Tables III through VII as applicable.

Amendment notations. The margins of this specification are marked with vertical lines to indicate modifications generated by this amendment. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations.

Referenced documents. This document references MIL-DTL-39024.

CONCLUDING MATERIAL

Custodians:

Army – CR
Navy - EC
Air Force - 85
DLA -CC

Preparing activity:
DLA-CC

(Project 5935-2020-077)

Review activities:

Army – AR, CR4, MI
Navy – AS, CG, MC, OS
Air Force – 19

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.