

INCH - POUND

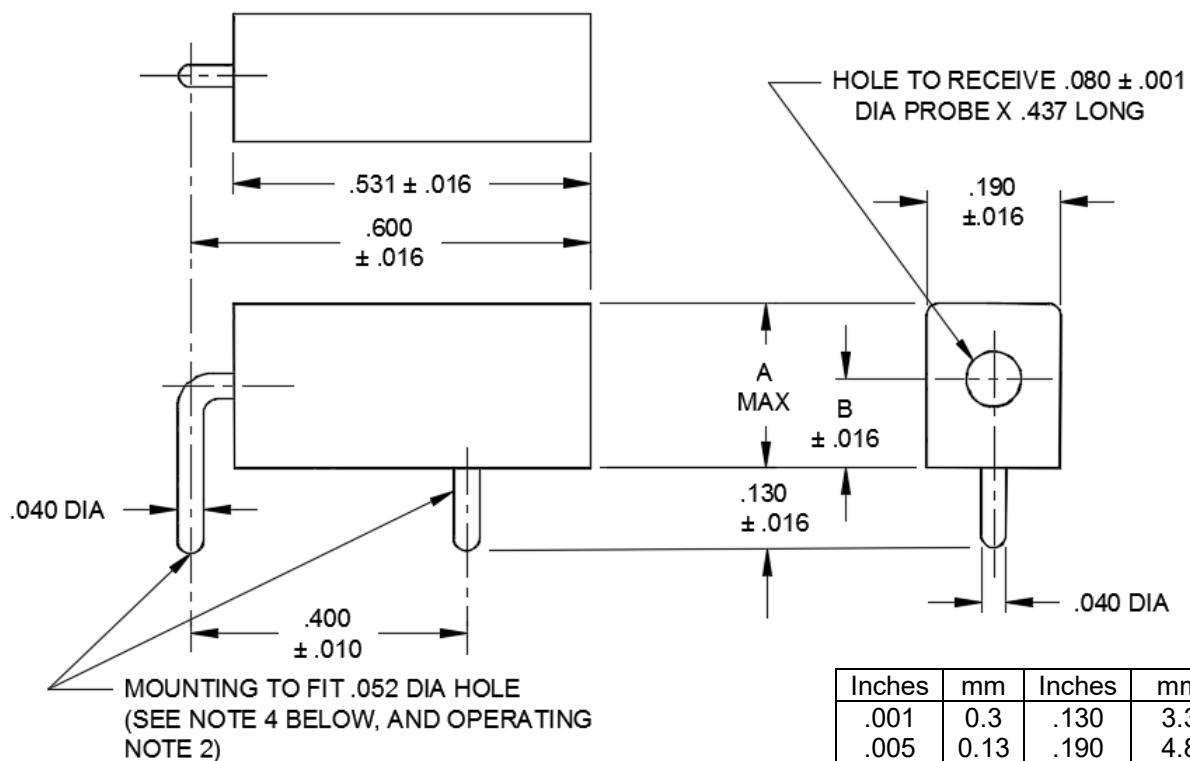
MIL-DTL-39024/3C
w/AMENDMENT 1
3 June 2020
SUPERSEDING
MIL-DTL-39024/3C
22 September 2018

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, TEST POINT TYPE, PRINTED WIRING, SINGLE TEST POINT (RIGHT ANGLE, 2-LEG MOUNTING), 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.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is $\pm .005$ (0.13 mm).
4. Terminal contour is optional provided that mounting hole and mounting center requirements are met.

FIGURE 1. Configuration and dimensions.



TABLE I. Dimensions and color code.

Dash number	Dimensions <u>1/</u>		Color
	A (max)	B	
-01	.230 (5.84)	.130 (3.30) ± .015 (0.38)	White
-02	"	"	Red
-03	"	"	Black
-04	"	"	Brown
-05	"	"	Green
-06	"	"	Orange
-07	"	"	Blue
-08	"	"	Yellow
-09	"	"	Gray
-10	"	"	Purple
-11	.467 (11.86)	.375 (9.53)	White
-12	"	"	Red
-13	"	"	Black
-14	"	"	Brown
-15	"	"	Green
-16	"	"	Orange
-17	"	"	Blue
-18	"	"	Yellow
-19	"	"	Gray
-20	"	"	Purple

1/ Metric equivalents are in parentheses.

REQUIREMENTS:

Design and construction:

Dimensions and configuration: See figure 1 and table I.

Test probe tip – Connector jack shall accept a .080 ± .001 inch diameter and .438 inch (min) length, test probe tip.

Insulation resistance: For test circuit, see figure 2 in MIL-DTL-39024.

Dielectric withstanding voltage (at sea level): A test voltage of 2,500 volts rms, 60 hertz shall be applied. (For test circuit, see figure 2 in MIL-DTL-39024).

Insertion and withdrawal forces:

Insertion force: 4.5 pounds (max).

Withdrawal force: 0.5 pound (min)

Identification marking:

Part or Identifying Number (PIN): M39024/3-(dash number from table I).

OPERATING NOTES:

1. Operating voltage at sea level is 1,800 volts rms, 60 hertz, and at 50,000 feet is 500 volts rms, 60 hertz.
2. Maximum thickness of printed wiring board is .125 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 5935-2020-075)

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>.