



Reviewer symbols:  
Navy - EC

DETAIL Z  
(PROBE TIP)

PART NUMBER	A DIA	B DIA	C DIA	D DIA	REPLACEMENT PROBE PART NUMBER	PROBE COLOR
MS3159-22	.040 MIN	.075 MAX	.0460 .0440	.0645 .0620	MS3159-22A	YELLOW
MS3159-20	.050 MIN	.097 MAX	.0595 .0575	.0790 .0765	MS3159-20A	RED
MS3159-16	.060 MIN	.129 MAX	.0910 .0890	.1110 .1085	MS3159-16A	BLUE
MS3159-12	.070 MIN	.196 MAX	.1500 .1480	.1725 .1700	MS3159-12A	YELLOW

(A) CANCELED AFTER 20 JUNE 1979  
USE MIL-I- 81969/30

NOTES:

- MATERIAL — BODY: . . . . . ALUMINUM  
KNOB: . . . . . ALUMINUM  
PROBE: . . . . . PLASTIC  
PLUNGER ASSEMBLY: . . . . . STEEL
- FINISH: METAL PARTS SHALL BE SUITABLY PROTECTED.
- DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.
- PROBE IS COLOR CODED PER TAB BLOCK.
- THE REMOVAL TOOL SHALL BE IDENTIFIED WITH THE MILITARY PART NUMBER AND MANUFACTURER'S NAME OR TRADE-MARK AND SHALL BE CLEARLY MARKED ON THE OUTER SURFACE OF THE TOOL.
- TOOL SHALL BE SMOOTH AND FREE FROM BURRS AND SHARP EDGES.
- FOR USE WITH MIL-C-81511, SERIES 3 AND 4 CONNECTORS.
- MS3159-22 TOOL WILL ACCOMMODATE SIZE 22-28 AND 23-28 CONTACTS.

This standard has been approved by the Department of the Navy and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

P.A. Navy - AS Other Cust	TITLE TOOL, EXTRACT, UNWIRED CONTACT, ELECTRIC CONNECTOR, SIZE 23, 22, 20, 26 AND 12	MILITARY STANDARD	
		MS	3159 (NAVY)
PROCUREMENT SPECIFICATION	SUPERSEDES:	SHEET	1 OF 1

APPROVED 18 OCT 71 REVISED (A) 20 JUNE 1979