



ANSI/EIA-520AAAC-1990
APPROVED: August 21, 1989

EIA-520AAAC

EIA SPECIFICATION

Detail Specification for
Switch, Non-Sensitive, Pushbutton
15.88 mm of Mounting Hole

EIA-520AAAC

JANUARY, 1990

ELECTRONIC INDUSTRIES ASSOCIATION
ENGINEERING DEPARTMENT



Approved For Use In
The NECQ System

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(From EIA Standards Proposal No. 2106 formulated under the cognizance of the EIA P-13.3 Subcommittee on Non-Sensitive Pushbutton and Keyboard Switches.)

APPROVED FOR USE IN THE NECQ SYSTEM AS NQ/EIA-520AAAC.

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DETAIL SPECIFICATION
NUMBER

EIA-520AAC

GENERIC SPECIFICATION NUMBER

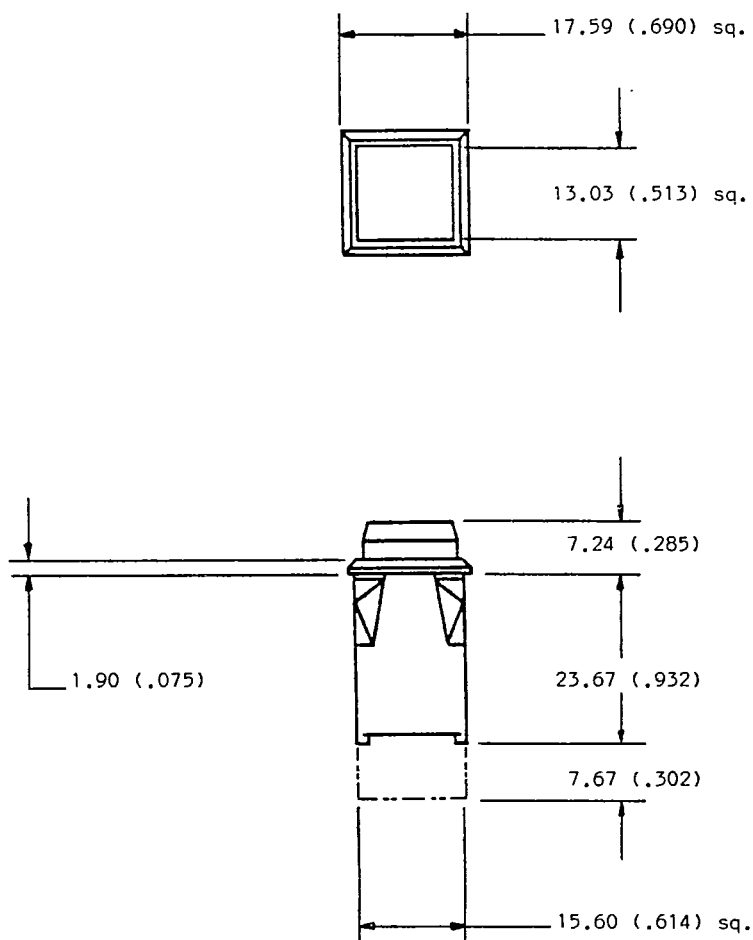
ELECTRONIC COMPONENTS OF ASSESSED - EIA-5200000
QUALITY IN ACCORDANCE WITH - EIA-520A000

BLANK DETAIL
SPECIFICATION NUMBER

EIA-520AA00

OUTLINE DRAWING

Maximum enclosure dimensions, MM (inches)

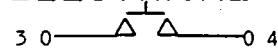


Note: Original dimensions are in inches
See figures 1,2, and 3 for detail dimensions

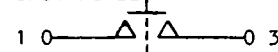
PRODUCT DESCRIPTION

Illuminated and non-illuminated
pushbutton switch
16.00 (.630) sq. mounting hole
one and two poles
1 amp, 125 vac
Momentary or maintained action or
indicator version

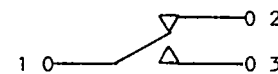
ELECTRICAL CIRCUIT



SPST-NO-DB


$$4 \quad 0 \text{---} \triangle \quad \triangle \text{---} 0 \quad 2$$

DPST-NO-DB



SPST

Observe proper terminal identification

TYPICAL CONSTRUCTION

Plastic housing with integral mounting tabs
Plastic display

APPLICATION

Electronic control circuits

INFORMATION ON THE AVAILABILITY OF COMPONENTS
QUALIFIED TO THIS SPECIFICATION IS GIVEN
IN THE QUALIFIED PRODUCTS LIST.

INTRODUCTION

The complete requirements for switches described herein shall consist of this detail specification and the current issues of EIA 5200000 and EIA 520A000.

SECTION ONE - GENERAL DATA

1.0 GENERAL1.1 SCOPE

The illuminated and non-illuminated pushbutton switches of certified quality covered by this specification shall:

- (a) Mount in a panel hole of 15.88 mm (.625 in.) sq.
- (b) Have a maximum rated voltage of 125 Vac
- (c) Have a maximum rated current of 1 ampere

1.2 TYPE DESIGNATION

Switches covered by this specification shall be designated by the following in the order shown.

- (a) The number of this specification
- (b) The discrete product code per Table 1

EXAMPLE:

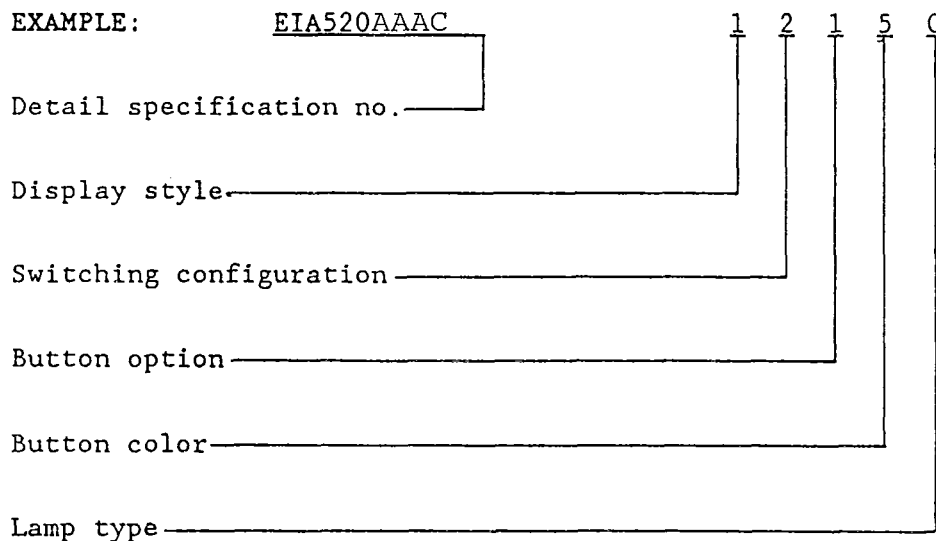
EIA520AAAC

TABLE I - CODE NUMBER FOR TYPE DESIGNATION

<u>DESCRIPTION</u>	<u>CODE</u>
Display style:	
Incandescent illuminated	1
Non-illuminated	2
LED illuminated	4
Configuration:	
Indicator, quick-connect terminals	0
SPST (Form X), quick-connect terminals, momentary	1
DPST (Form XX), quick-connect terminals, momentary	2
SPDT (Form C), quick-connect terminals, momentary	3
SPDT (Form C), quick-connect terminals, maintained	4
Indicator, PCB terminals	5
SPST (Form X), PCB terminals, momentary	6
DPST (Form XX), PCB terminals, momentary	7
SPDT (Form C), PCB terminals, momentary	8
SPDT (Form C), PCB terminals, maintained	9
Button option:	
Button included	1
Button not included (order separately)	5
Button color:	
Button not included	0
101-80233 White	1
101-627 Red	2
101-3233 Green	3
101-223 Blue	4
101-429 Yellow	5
101-4224 Amber	6
101-626 Orange	7
141-112 Clear	8
101-701 Black (LED or non-illuminated switches)	9
Lamp option:	
Not installed	0
Incandescent illuminated (T 1 3/4 wedge base lamp)	
6.3 V	1
14 V	2
28 V	3
LED illuminated	
Red LED	1
Green LED	2
Yellow LED	3