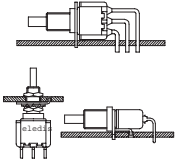


SERIES 5D

- Alternate action pushbutton



CHARACTERISTICS

- Alternate action push button.
- The most comprehensive range of terminations, brackets and bushings.
- Dially phthalate case and stainless steel housing.

SPECIFICATIONS

Contact Rating: **S** (silver) - 6A @ 120 VAC or 28 VDC - **A** (gold) - 0.4 VA max @ 20 VAC or DC max - **G** (gold on silver) - 6A @ 120 VAC or 0.4 VA max (not both)

Electrical life: 50,000 make and break cycles at full load

Contact Resistance: 10 mΩ max. initial @ 2-4 VDC

Insulation Resistance: 1000 MΩ min.

Dielectric Strength: 1500 VRMS @ sea level

Operating Temperature: -30°C to 85°C

MATERIALS

Case: Dially phthalate (DAP), (UL 94-0)

Plunger: Glass filled nylon or glass filled polyester

Bushing: Brass, nickel plated

Housing: Stainless Steel

End contacts & terminals: Copper alloy, with gold plated over nickel plated

Center Contact & Terminal: Copper alloy, with gold plated over nickel plated

HOW TO ORDER

5	D		1	-					E			
---	---	--	---	---	--	--	--	--	---	--	--	--

N° OF POLES

1 SPDT
2 DPDT

TERMINATIONS

PC PCB
ST Solder
U2 U bracket 11.68 mm
U3 U bracket 16.00 mm
U4 U bracket 11.68 mm
U5 U bracket 16.00 mm
U2S U bracket snap-in 11.68 mm
U3S U bracket snap-in 16.00 mm
U4S U bracket snap-in 11.68 mm
U5S U bracket snap-in 16.00 mm
U6(Δ) U bracket 11.68 mm
U7(Δ) U bracket 16.00 mm
U8(Δ) U bracket 11.68 mm
U9(Δ) U bracket 16.00 mm
H9 90° horizontal
V9 90° vertical

CAP + COLOURS OPTIONS

1 White
2 Black (std)
3 Red
4(Δ) Orange
5(Δ) Yellow
6(Δ) Green
7(Δ) Blue
8(Δ) Brown
9(Δ) Gray

ELECTRICAL FUNCTIONS

1 on on

BUSHING

F1 Threaded
F2 Unthreaded
F3 Threaded flat
F4 Unthreaded flat
F6(Δ) Short

CONTACT MATERIAL

S Silver (std)
A Gold
G Gold on silver
K Tinned gold

CAP OPTIONS

C1 Diam. 7.7mm
C2 Diam. 9.35mm
C5 Sq. 11.7mm
C7 Diam. 5mm
C8 Diam. 5mm

SEALING

E Seal

(Δ) Please Enquire
(Δ) Min qty required



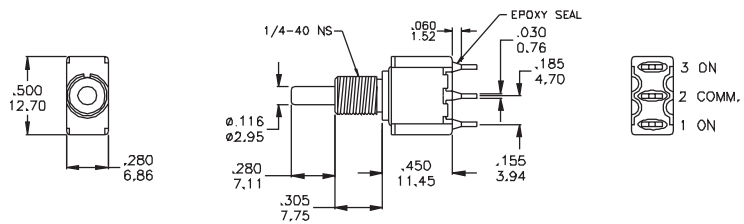
SERIES 5D

ELECTRICAL FUNCTIONS

DIMENSIONS

SPDT	Type	
1	on	on
	1 - 2	3 - 2

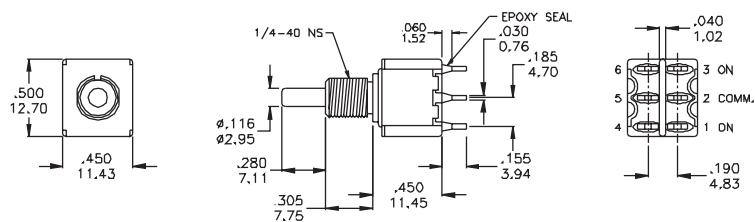
2 Comm.



Part N° shown: 5D11-F1PCSE

DPDT	Type	
1	on	on
	2-3, 5-6	2-1, 5-4

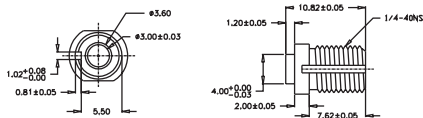
2 Comm. 5 Comm.



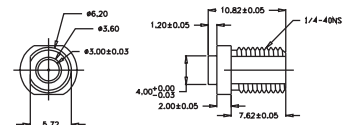
Part N° shown: 5D21-F1PCSE

BUSHING

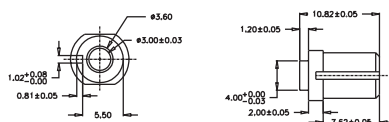
F1 Threaded (std)



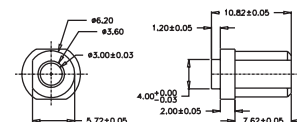
F3 Threaded



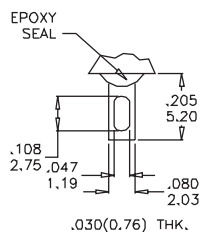
F2 Unthreaded



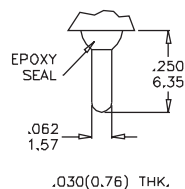
F4 Unthreaded



TERMINATIONS



ST



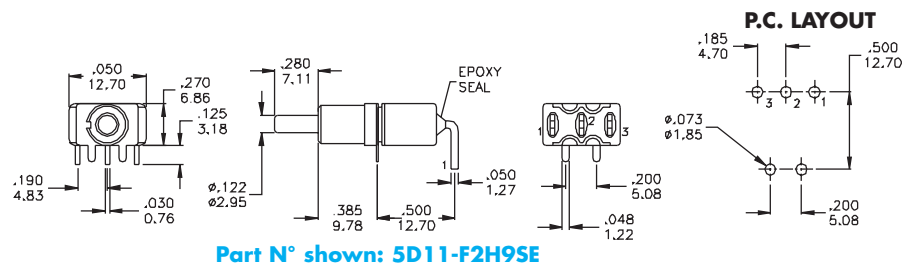
PC

Epoxy seal standard with all models

SERIES 5D

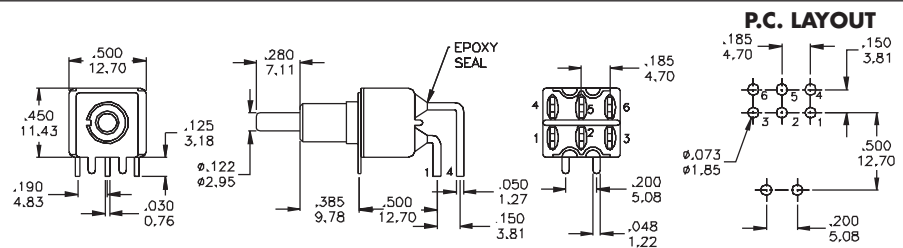
TERMINATIONS

H9
SPDT



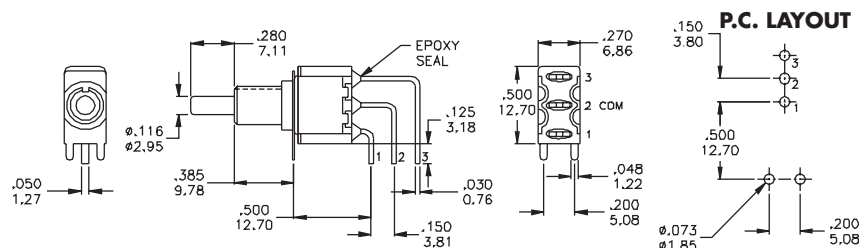
Part N° shown: 5D11-F2H9SE

H9
DPDT



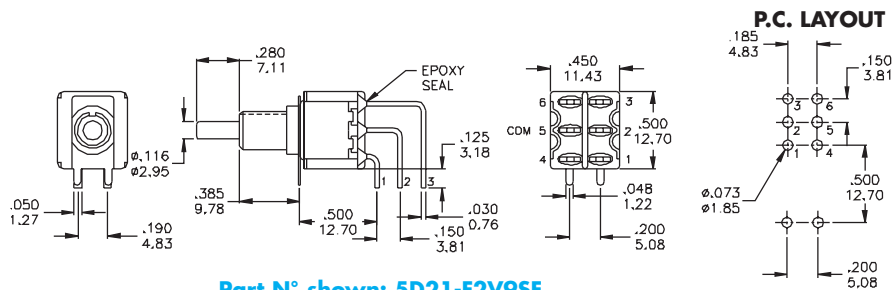
Part N° shown: 5D21-F2H9SE

V9
SPDT



Part N° shown: 5D11-F2V9SE

V9
DPDT



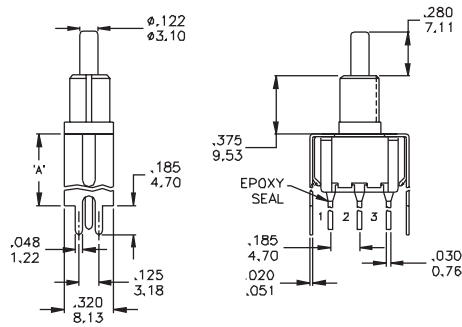
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SERIES 5D

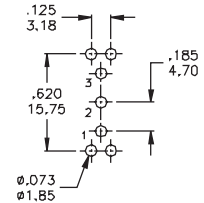
TERMINATIONS

U2 - U3 SPDT



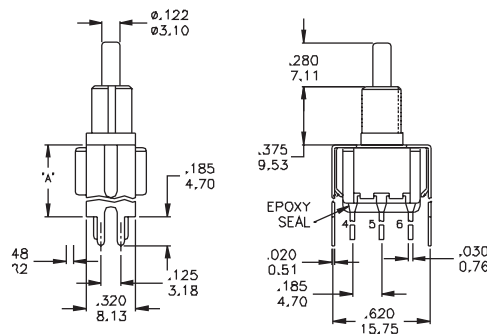
Dim. A	
U2	.460 (11.68)
U3	.630 (16.00)

P.C. LAYOUT



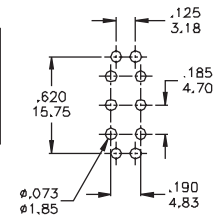
Part N° shown: 5D11-F2U_SE

U2 - U3 DPDT



Dim. A	
U2	.460 (11.68)
U3	.630 (16.00)

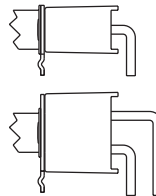
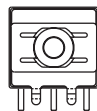
P.C. LAYOUT



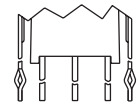
Part N° shown: 5D21-F2U_SE

Snap-in termination options

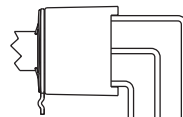
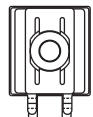
H9S



U2S U3S



V9S



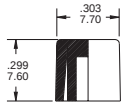
U4S U5S



H9S, V9S, U2S, U3S, U4S, U5S have the same P.C layout but are supplied with snap-in bracket to grip onto the PCB

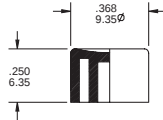
SERIES 5D

CAP ACCESSORIES



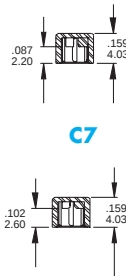
C1

Round intermediate cap



C2

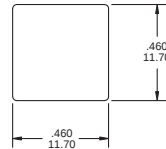
Round regular cap



C7

C8

Round small cap



C5

Square cap

CAP - FRAME COLOURS OPTIONS

- | | |
|----------------------|----------------|
| 1 White | 6 Green |
| 2 Black (std) | 7 Blue |
| 3 Red | 8 Brown |
| 4 Orange | 9 Gray |
| 5 Yellow | |

Part Number

Colour

CONTACT MATERIALS

CONTACT RATINGS

S (std) **Moving Contacts:** coin silver
Terminals: copper alloy, silver plated
Rating: 2 Amps with resistive load @ 250 VAC
 6 Amps with resistive load @ 125 VAC or 28 VDC

A **Moving Contacts:** copper alloy with gold plating over nickel plating
Terminals: copper alloy with gold plating over nickel plating
Rating: 0.4 Volts/Amps max @ 20 Volts max (AC or DC)

K Same as **A**, but with pre-tinned terminals

G **Moving Contacts:** gold plating over silver
End Terminals: gold plating over silver
Center Terminals: gold plating over copper alloy, silver plated
Note: **G** option used for either "high" (2 Amps @ 250 VAC) or "low" (0.4 Volts/Amps max) contact rating (one exclude the other)

PACKAGING

Transparent Trays 15x21x4 cm



Each box contains 100 pcs

MARKING (on products)

The switches are individually marked with the following information:

Side 1 TRADE MARK
 SERIES AND MODEL
 DATE CODE

Side 2 RATING
 CONTACTS

Note: Not all information may be available on some products.

LABELLING (on packaging)

The label on each tray gives full information on the products contained.

P/N: EL.FNC.: Q.TY: DATE CODE:	
Made in Taiwan	
Remarks	

A Bar code indicating Model, Quantity, Date Code enables easy traceability.