ANP

SPECIFICATIONS

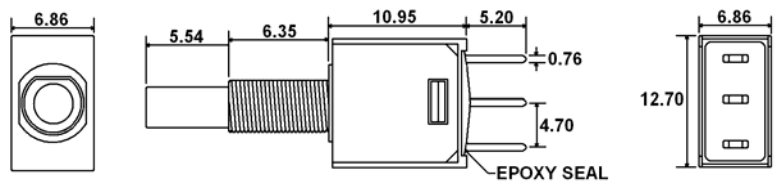| Electrical Ratings	3A @ 120 VAC, 28VDC; 1A @ 250VAC
Electrical Life	50,000 cycles typical
Contact Resistance	< 20 mΩ max initial @ 2-4VDC, 100mA
Dielectric Strength	1500Vrms min
Actuator Travel	.85mm +/- .2mm
Insulation Resistance	> 100MΩ min
Operating Temperature	-40°C to 85°C
Storage Temperature	-40°C to 85°C

MATERIALS ←RoHS COMPLIANT

Actuator	6/6 Nylon, Glass Filled
Housing	DAP – Diallyl Phthalate
Cover	Stainless Steel
Bushing	Brass, Nickel Plated
Contacts	Brass, Silver Plated
Terminals	Brass, Silver Plated

c**Ul**us - E222871
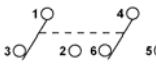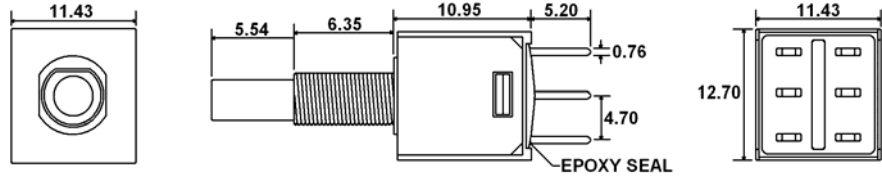
ORDERING INFORMATION

Series:	**ANP**	**2**	**1**	**F4**	**C**	**Q**	**E**	C742

Series:
ANP

Number of Poles:
1 = SPDT
2 = DPDT

Switch Function:
1 = ON - (ON)
2 = ON – ON (Latching)

Bushing:
F4 / N4 = ¼-40NS / Non-Threaded, Keyway, 6.35mm
F9 / N9 = ¼-40NS / Non-Threaded, Flat, 6.35mm
**No bushing is selected if a panel mount frame is selected below*

Terminals:
B = Solder Lug
C = PC Pin
D = Quick Connect
H = Horizontal Mount, Right Angle PC Pin; *HS = Snap-in*
V = Vertical Mount, Right Angle PC Pin
S20 = PC Pin with Support Bracket; *V20 = Snap-in Support Bracket*
S25 = PC Pin with Support Bracket; *V25 = Snap-in Support Bracket*
S40 = PC Pin with Support Bracket; *V40 = Snap-in Support Bracket*

Contacts:
Q = Silver Plated
R = Gold Plated
G = Gold over Silver Plated

Epoxy Seal:
E = Epoxy Seal

Actuator Cap / Frame:
Blank = None
C73   F75 = Snap-in Panel Mount w/ Frame
C74   F76 = Snap-in Panel Mount w/ Frame
C75   L75 = Snap-in Panel Mount w/ Frame and LED
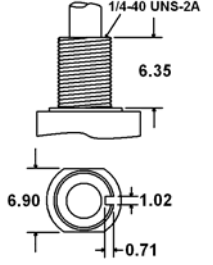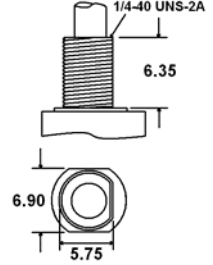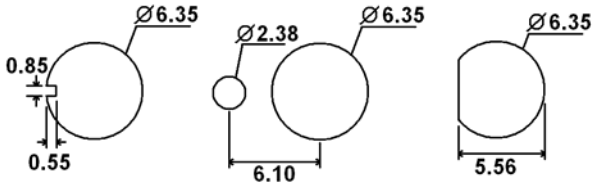C76   L76 = Snap-in Panel Mount w/ Frame and LED
C77

Actuator Cap / Frame Colors:
** See Cap Options for color availability

![CIT RELAY & SWITCH™ Division of Circuit Interruption Technology, Inc.]

SWITCH FUNCTION

	Function	Toggle Position	
SPDT	Function	(down)	(down)
	1	ON	(ON)
	2	ON	ON
	Terminals	1-3	1-2

Dimensions: 6.86, 5.54, 6.35, 10.95, 5.20, 0.76, 4.70, 12.70, 6.86 — EPOXY SEAL
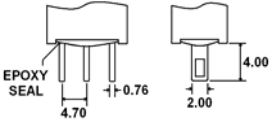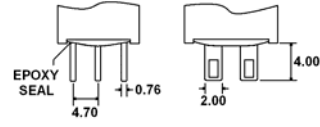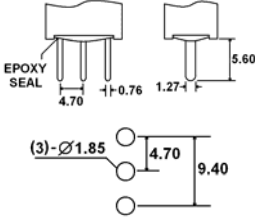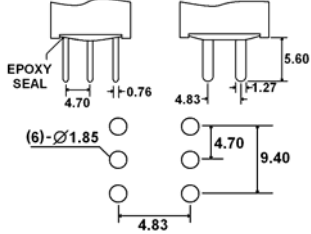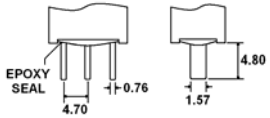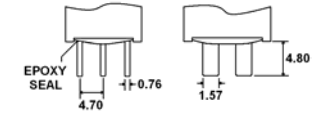
	Function	Toggle Position	
DPDT	Function	(down)	(down)
	1	ON	(ON)
	2	ON	ON
	Terminals	1-3 4-6	1-2 4-5

Dimensions: 11.43, 5.54, 6.35, 10.95, 5.20, 0.76, 4.70, 12.70, 11.43 — EPOXY SEAL

BUSHING OPTIONS

1/4-40 UNS-2A, 6.35, 6.90, 1.02, 0.71

F4 (Threaded)
N4 (Non-Threaded)

1/4-40 UNS-2A, 6.35, 6.90, 5.75

F9 (Threaded)
N9 (Non-Threaded)

PANEL MOUNTING

Ø6.35, 0.85, 0.55, Ø2.38, 6.10, Ø6.35, Ø6.35, 5.56

1/4"- 40 Bushings

TERMINAL OPTIONS

EPOXY SEAL, 4.70, 0.76, 2.00, 4.00

B (Single Pole)

EPOXY SEAL, 4.70, 0.76, 2.00, 4.00

B (Double Pole)

EPOXY SEAL, 4.70, 0.76, 1.27, 5.60, (3)-Ø1.85, 4.70, 9.40

C (Single Pole)

EPOXY SEAL, 4.70, 0.76, 4.83, 1.27, 5.60, (6)-Ø1.85, 4.70, 9.40, 4.83

C (Double Pole)

EPOXY SEAL, 4.70, 0.76, 1.57, 4.80

D (Single Pole)
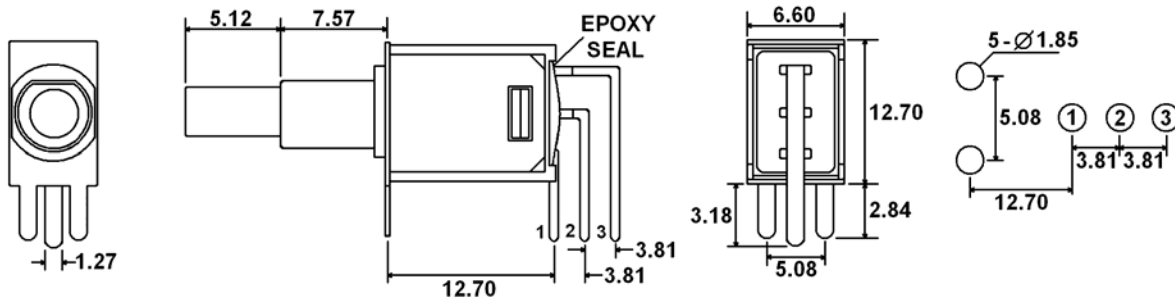
EPOXY SEAL, 4.70, 0.76, 1.57, 4.80

D (Double Pole)
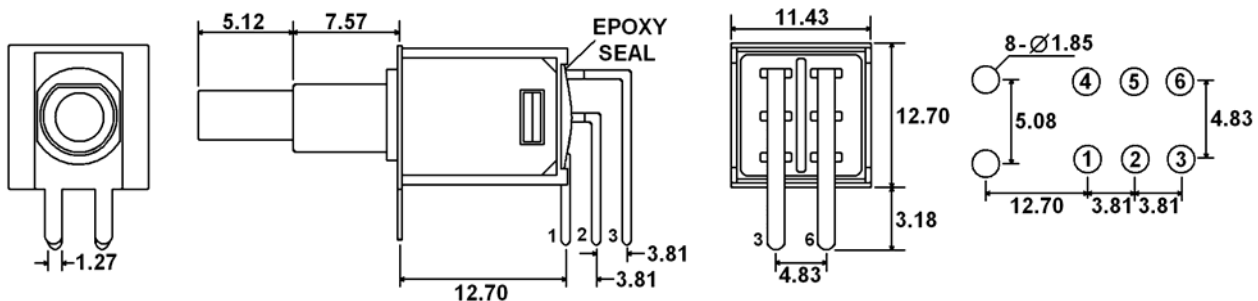
TERMINAL OPTIONS

H (HS – Snap-in) = Horizontal Mount, Right Angle PC Pins (Single Pole)
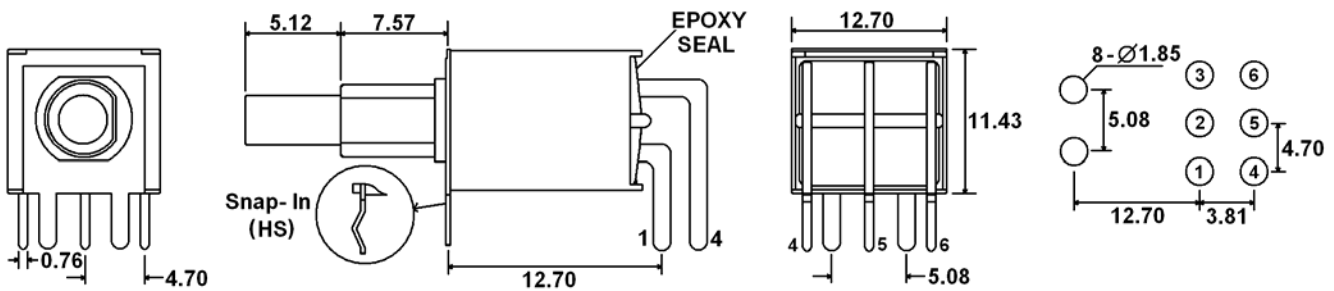
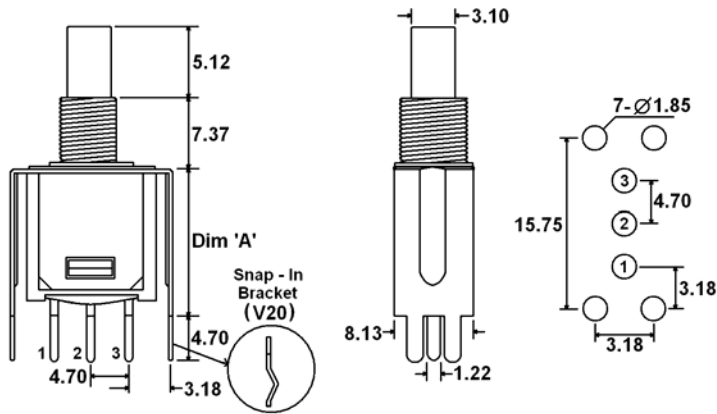**H (HS – Snap-in) = Horizontal Mount, Right Angle PC Pins (Double Pole)**

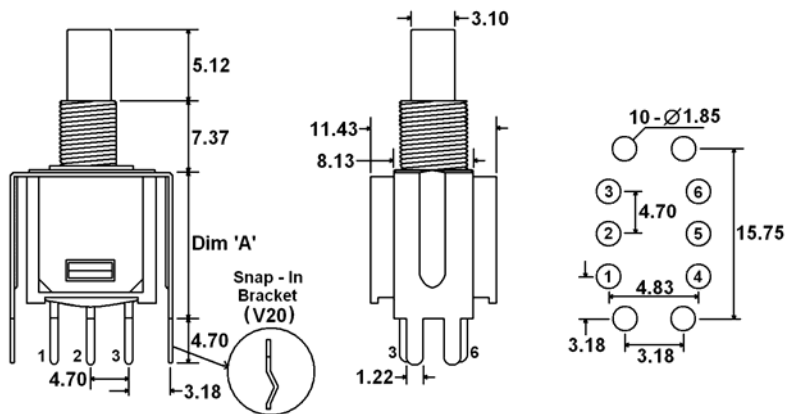**V = Vertical Mount, Right Angle PC Pins (Single Pole)**

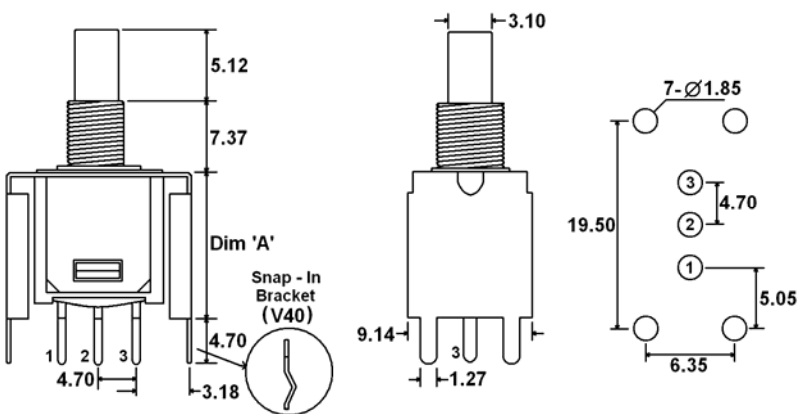**V = Vertical Mount, Right Angle PC Pins (Double Pole)**

TERMINAL OPTIONS

Terminal Option	"A" Dimension
S20-V20	11.68
S25-V25	16.00

S20/S25 (V20/V25 – Snap-in Bracket) = PC Pins with Support Bracket (Single Pole)
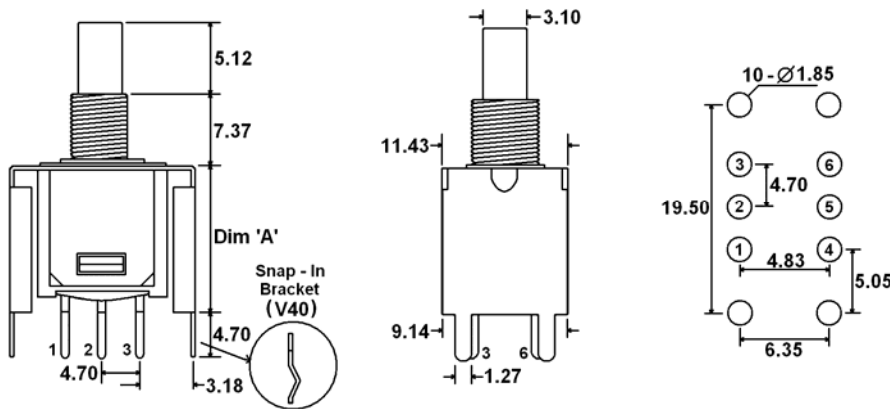

Terminal Option	"A" Dimension
S20-V20	11.68
S25-V25	16.00

S20/S25 (V20/V25 – Snap-in Bracket) = PC Pins with Support Bracket (Double Pole)

Terminal Option	"A" Dimension
S40-V40	16.00

S40 (V40 – Snap-in Bracket) = PC Pins with Support Bracket (Single Pole)

TERMINAL OPTIONS

Terminal Option	"A" Dimension
S40-V40	16.00

S40 (V40 – Snap-in Bracket) = PC Pins with Support Bracket (Double Pole)

CONTACT OPTIONS

Designator	Contact Material	Terminal Material	Electrical Ratings
Q	Silver Plating	Silver Plating	3A @ 120 VAC, 28VDC; 1A @ 250VAC
R	Gold over Nickel Plating	Gold over Nickel Plating	.4 VA max @ 20VAC or VDC max
G	Gold over Silver Plating	Gold over Silver Plating	.4 VA max @ 20VAC or VDC max or 3A @ 120 VAC, 28VDC; 1A @ 250VAC

CAP OPTIONS

C73_
1 = White, 2 = Black, 3 = Red
Contact Factory for other available colors

C74_
1 = White, 2 = Black, 3 = Red
Contact Factory for other available colors

C75_
1 = White, 2 = Black, 3 = Red
Contact Factory for other available colors

C76_
1 = White, 2 = Black, 3 = Red
Contact Factory for other available colors

C77_
1 = White, 2 = Black, 3 = Red
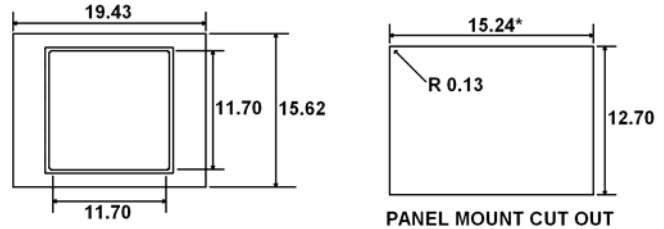Contact Factory for other available colors

FRAME OPTIONS

F75_ _ ← (Insert Cap & Frame Colors Here)
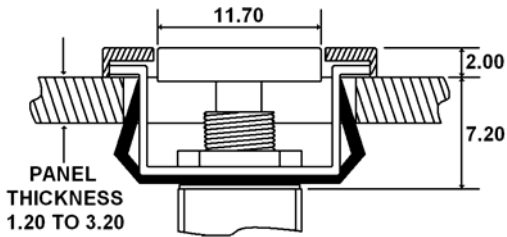
PANEL THICKNESS 1.20 TO 3.20

11.70 · 2.00 · 7.20

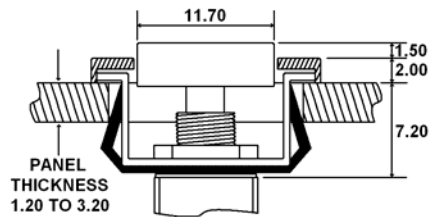**Cap Color / Frame Color: 1 = White, 2 = Black, 3 = Red**

Increase the length dimension to 15.75/15.88 for 1.5/3.2 thick panels

19.43 · 11.70 · 15.62 · 11.70
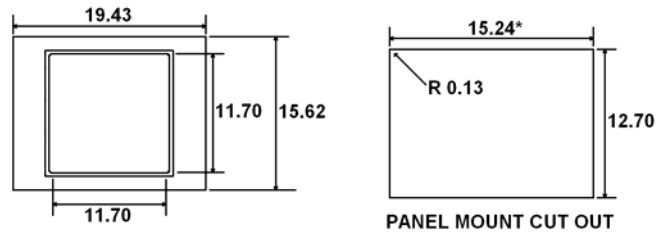
15.24* · R 0.13 · 12.70

PANEL MOUNT CUT OUT

**Contact factory for other available colors

F76_ _ ← (Insert Cap & Frame Colors Here)

11.70 · 1.50 · 2.00 · 7.20

PANEL THICKNESS 1.20 TO 3.20

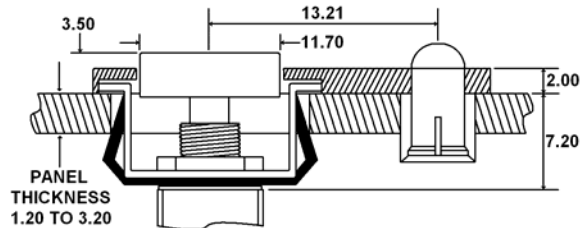**Cap Color / Frame Color: 1 = White, 2 = Black, 3 = Red**

Increase the length dimension to 15.75/15.88 for 1.5/3.2 thick panels

19.43 · 11.70 · 15.62 · 11.70

15.24* · R 0.13 · 12.70

PANEL MOUNT CUT OUT

**Contact factory for other available colors

L75_ _ ← (Insert Cap, Frame & LED Colors Here)
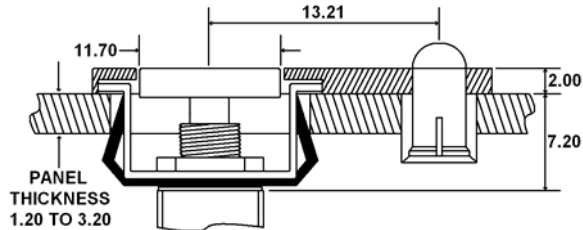
13.21 · 11.70 · 2.00 · 7.20

PANEL THICKNESS 1.20 TO 3.20

Cap Color / Frame Color: 1 = White, 2 = Black, 3 = Red

Increase the length dimension to 15.75/15.88 for 1.5/3.2 thick panels

27.94 · 11.70 · 15.62 · 11.70

15.24* · 5.60 · R 0.13 · Ø8.75 · 12.70

PANEL MOUNT CUT OUT
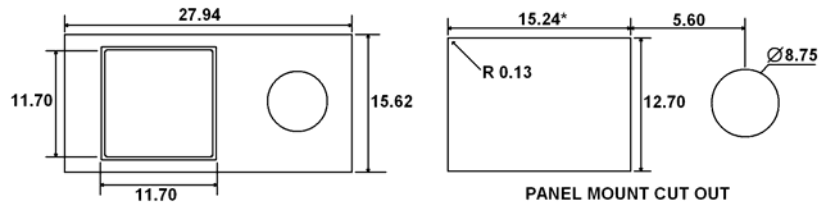
**Contact factory for other available colors

L76_ _ ← (Insert Cap, Frame & LED Colors Here)

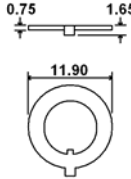3.50 · 13.21 · 11.70 · 2.00 · 7.20
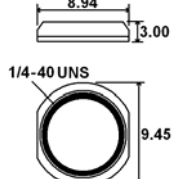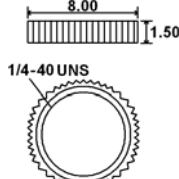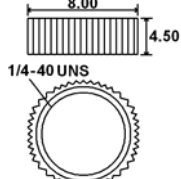
PANEL THICKNESS 1.20 TO 3.20
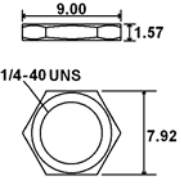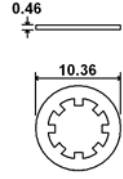
Cap Color / Frame Color: 1 = White, 2 = Black, 3 = Red
LED Color R = Red, Y = Yellow, G = Green

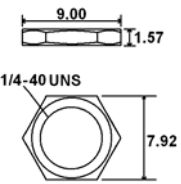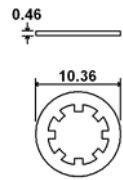**Increase the length dimension to 15.75/15.88 for 1.5/3.2 thick panels**

27.94 · 11.70 · 15.62 · 11.70
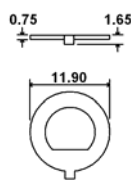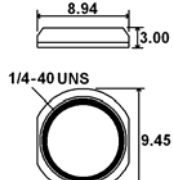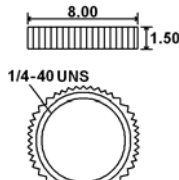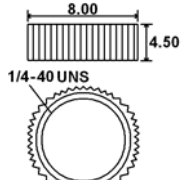
15.24* · 5.60 · R 0.13 · Ø8.75 · 12.70
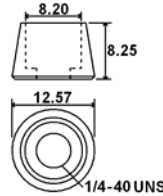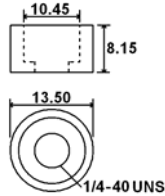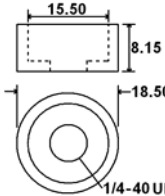
PANEL MOUNT CUT OUT
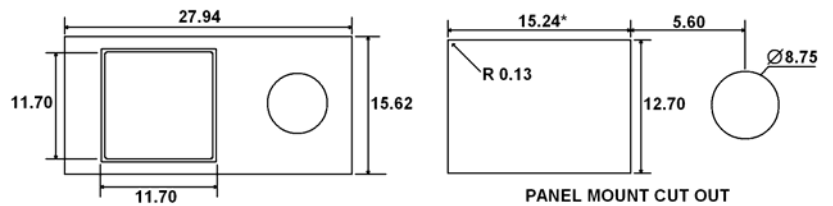
**Contact factory for other available colors

HARDWARE **Two hex nuts, one lock washer, & one locking ring supplied standard with threaded bushings

9.00 / 1.57 / 1/4-40 UNS / 7.92 **Hex Nut**	0.46 / 10.36 **Lock Washer**	0.75 / 1.65 / 11.90 **Locking Ring**	8.94 / 3.00 / 1/4-40 UNS / 9.45 **Dress Nut**	8.00 / 1.50 / 1/4-40 UNS **Knurled Nut**	8.00 / 4.50 / 1/4-40 UNS **Knurled Nut**

**For use with F4 bushings

9.00 / 1.57 / 1/4-40 UNS / 7.92 **Hex Nut**	0.46 / 10.36 **Lock Washer**	0.75 / 1.65 / 11.90 **Locking Ring**	8.94 / 3.00 / 1/4-40 UNS / 9.45 **Dress Nut**	8.00 / 1.50 / 1/4-40 UNS **Knurled Nut**	8.00 / 4.50 / 1/4-40 UNS **Knurled Nut**

**For use with F9 bushings

8.20 / 8.25 / 12.57 / 1/4-40 UNS **Cap Shroud A**	10.45 / 8.15 / 13.50 / 1/4-40 UNS **Cap Shourd B**	15.50 / 8.15 / 18.50 / 1/4-40 UNS **Cap Shroud C**