



Rotary Switches



NEW! Series 75 Single Deck

Specifications: • 0.3 inch diameter • 200mA • Compact Rotary Switch

Features: • PCB Mount • Life: 10,000 cycles • 1/4 - 32 UNF - 2A bushing thread, 1/8 inch shaft • Non-shorting, wiping contacts (shorting contacts not available)

Fig. 1

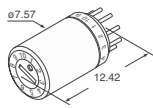


Fig. 2



Use Series 11 Grayhill Knobs

Fig.	Style	Angle of Throw	No. of Poles	Pos. per Pole	Digi-Key Part No.	Price Each	Grayhill Part No.
						1 25 100	
1	Screwdriver	36°	2	4	GH7360-ND	21.93 18.43 13.13	75AP36-01-1-04N
		36°	1	4	GH7363-ND	26.24 22.05 15.71	75AP36-01-2-04N
		36°	1	6	GH7361-ND	21.93 18.43 13.13	75AP36-01-1-06N
		36°	1	8	GH7362-ND	21.93 18.43 13.13	75AP36-01-1-08N
2	Shaft	36°	1	2	GH7306-ND	25.04 21.05 14.99	75BP36-01-1-02N
		36°	1	4	GH7307-ND	25.04 21.05 14.99	75BP36-01-1-04N
		36°	1	6	GH7308-ND	25.04 21.05 14.99	75BP36-01-1-06N
		36°	1	8	GH7309-ND	25.04 21.05 14.99	75BP36-01-1-08N

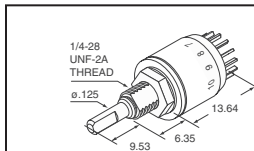
Series 50 and 51 Single Deck

Specifications:

• 0.5 inch Diameter • 200 mA Rotary Switch

Features:

• Industry Standard • Behind panel 0.698 inch (solder terminals), 0.662 inch (PC terminals) • 1/4 - 28 UNF - 2A bushing thread, 1/8 inch shaft • PC or Solder terminals, Life: 25,000 cycles • Adjustable Stop (AJ) with non-shorting contacts (N) **Note:** Contact Digi-Key for shorting contacts (30° and 36° only), shaft and panel seal.



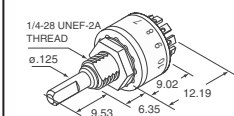
Use Series 11 Grayhill Knobs

Termination	Angle of Throw	No. of Poles	Maximum Positions per Pole	Digi-Key Part No.	Price Each	Grayhill Part No.
					1 25 100	
Solder	30°	1	12	GH7277-ND	21.77 17.42 13.07	51D30-01-1-AJN
	30°	2	6	GH7309-ND NEW!	19.78 16.62 11.84	51D30-01-2-AJN
	36°	1	10	GH7273-ND	20.21 16.18 12.13	50D36-01-1-AJN
	36°	2	5	GH7274-ND	21.23 16.99 12.74	50D36-01-2-AJN
	45°	1	8	GH7347-ND NEW!	15.81 13.29 9.47	50D45-01-1-AJN
	45°	2	4	GH7348-ND NEW!	19.66 16.52 11.77	50D45-01-2-AJN
	60°	1	6	GH7349-ND NEW!	19.28 16.20 11.54	50D60-01-1-AJN
	60°	2	3	GH7350-ND NEW!	19.66 16.52 11.77	50D60-01-2-AJN
	90°	1	4	GH7351-ND NEW!	15.82 13.29 9.47	50D90-01-1-AJN
	90°	2	2	GH7352-ND NEW!	19.66 16.52 11.77	50D90-01-2-AJN
PC	30°	1	12	GH7278-ND	16.68 13.35 10.01	51DP30-01-1-AJN
	30°	2	6	GH7310-ND NEW!	20.47 17.20 12.25	51DP30-01-2-AJN
	36°	1	10	GH7275-ND	14.73 11.79 8.84	50DP36-01-1-AJN
	36°	2	5	GH7276-ND	18.05 14.44 10.83	50DP36-01-2-AJN
	45°	1	8	GH7353-ND NEW!	16.51 13.88 9.88	50DP45-01-1-AJN
	45°	2	4	GH7354-ND NEW!	20.34 17.10 12.18	50DP45-01-2-AJN
	60°	1	6	GH7355-ND NEW!	16.51 13.88 9.88	50DP60-01-1-AJN
	60°	2	3	GH7356-ND NEW!	20.34 17.10 12.18	50DP60-01-2-AJN
	90°	1	4	GH7357-ND NEW!	16.51 13.88 9.88	50DP90-01-1-AJN
	90°	2	2	GH7358-ND NEW!	24.81 20.85 14.85	50DP90-01-2-AJN

Series 56 Single Deck

Specifications: • 0.5 inch diameter • 200mA Rotary Switch

Features: • Behind panel 0.490 inch (solder terminals), 0.377 inch (PC terminals) • 1/4 - 28 UNF - 2A bushing thread, 1/8 inch shaft • PC or Solder terminals, Life: 25,000 cycles • Adjustable stop (AJ) with non-shorting contacts (N) **Note:** Contact Digi-Key for shorting contacts



Use Series 11 Grayhill Knobs

Adjustable Stop: Allows you to change number of positions per pole. Simply remove and relocate stop pins in the holes in front of switch. Pins are held in place by a self-adhesive sticker which fits over the front plate.



Termination	Angle of Throw	No. of Poles	Maximum Positions per Pole	Digi-Key Part No.	Price Each	Grayhill Part No.
					1 25 100	
Solder	30°	1	12	GH5601-ND	10.61 8.49 6.37	56D30-01-1-AJN
	30°	2	6	GH5602-ND	11.76 9.42 7.06	56D30-01-2-AJN
	36°	1	10	GH5603-ND	10.27 8.22 6.16	56D36-01-1-AJN
	36°	2	5	GH5604-ND	11.43 9.15 6.86	56D36-01-2-AJN
PC	30°	1	12	GH7279-ND	10.17 8.14 6.11	56DP30-01-1-AJN
	30°	2	6	GH7280-ND	9.08 7.27 6.82	56DP30-01-2-AJN
	36°	1	10	GH7281-ND	9.86 7.89 5.92	56DP36-01-1-AJN
	36°	2	5	GH7282-ND	10.72 8.58 6.44	56DP36-01-2-AJN

Series 71 Multi-Deck

Specifications: • 0.5 to 0.75 inch diameter • 250mA Rotary Switch

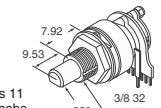
Features: • Behind panel: 1 deck - 0.761 inch, 2 decks - 0.979 inch • 3/8 - 32 UNEF - 2A bushing thread, 1/4 inch shaft • Adjustable Stop (AJ) with non-shorting contacts (N) **Note:** Contact Digi-Key for shorting contact or 1/8 inch shaft

Fig. 1



Use Series 11 Grayhill Knobs

Fig. 2



Use Series 11 Grayhill Knobs

Adjustable Stop: Allows you to change number of positions per pole. Simply remove and relocate stop pins in the holes in front of switch. Pins are held in place by a self-adhesive sticker which fits over the front plate.

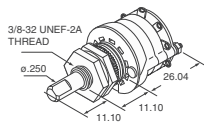


Fig.	Termination	Angle of Throw	No. of Decks	Poles per Deck	Max. Positions per Pole	Digi-Key Part No.	Price Each	Grayhill Part No.
							1 25 100	
1	Solder	30°	1	1	12	GH7319-ND NEW!	15.41 12.95 9.22	71AD30-01-1-AJN
		30°	1	2	6	GH7320-ND NEW!	16.01 13.45 9.58	71AD30-01-2-AJN
		30°	2	1	12	GH7321-ND NEW!	19.95 16.77 11.94	71AD30-02-1-AJN
		30°	2	2	6	GH7322-ND NEW!	21.20 17.81 12.69	71AD30-02-2-AJN
		36°	1	1	10	GH7359-ND NEW!	15.41 12.95 9.23	71AD36-01-1-AJN
		36°	1	2	5	GH7323-ND NEW!	16.01 13.45 9.58	71AD36-01-2-AJN
		36°	2	1	10	GH7324-ND NEW!	19.95 16.77 11.94	71AD36-02-1-AJN
		36°	2	2	5	GH7325-ND NEW!	21.20 17.81 12.69	71AD36-02-2-AJN
		30°	1	1	12	GH7101-ND	15.10 12.08 9.06	71BD30-01-1-AJN
		30°	1	2	6	GH7102-ND	15.69 12.55 9.42	71BD30-01-2-AJN
		30°	2	1	12	GH7103-ND	19.55 15.65 11.74	71BD30-02-1-AJN
		30°	2	2	6	GH7104-ND	20.77 16.62 12.47	71BD30-02-2-AJN
		36°	1	1	10	GH7311-ND NEW!	15.41 12.95 9.22	71BD36-01-1-AJN
		36°	1	2	5	GH7312-ND NEW!	16.01 13.45 9.58	71BD36-01-2-AJN
		36°	2	1	10	GH7313-ND NEW!	19.95 16.77 11.94	71BD36-02-1-AJN
		36°	2	2	5	GH7314-ND NEW!	21.20 17.81 12.69	71BD36-02-2-AJN
2	PC	30°	1	1	12	GH7326-ND NEW!	20.13 16.92 12.05	71ADF30-01PAJN
		30°	1	2	6	GH7327-ND NEW!	20.87 17.54 12.49	71ADF30-01QAJN
		30°	2	1	12	GH7328-ND NEW!	33.81 28.41 20.23	71ADF30-02PAJN
		30°	2	2	6	GH7329-ND NEW!	29.08 24.44 17.41	71ADF30-02QAJN
		36°	1	1	10	GH7330-ND NEW!	24.64 20.70 14.75	71ADF36-01PAJN
		36°	1	2	5	GH7331-ND NEW!	20.87 17.54 12.49	71ADF36-01QAJN
		36°	2	1	10	GH7332-ND NEW!	27.62 23.21 16.53	71ADF36-02PAJN
		36°	2	2	5	GH7333-ND NEW!	29.08 24.43 17.40	71ADF36-02QAJN
		30°	1	1	12	GH7105-ND	16.51 13.87 9.88	71BDF30-01PAJN
		30°	1	2	6	GH7106-ND	17.12 14.39 10.25	71BDF30-01QAJN
		30°	2	1	12	GH7107-ND	30.62 25.73 18.33	71BDF30-02PAJN
		30°	2	2	6	GH7108-ND	32.23 27.09 19.29	71BDF30-02QAJN
		36°	1	1	10	GH7315-ND NEW!	24.64 20.71 14.75	71BDF36-01PAJN
		36°	1	2	5	GH7316-ND NEW!	20.87 17.54 12.49	71BDF36-01QAJN
		36°	2	1	10	GH7317-ND NEW!	28.17 23.68 16.86	71BDF36-02PAJN
		36°	2	2	5	GH7318-ND NEW!	35.59 29.91 21.30	71BDF36-02QAJN

Series 42 and 44 Mil Style

Features:

- Adjustable Stop Rotary Switch
- Rugged construction, fully enclosed, adjustable stops
- Rated make/break, 1A; Carry 10A, 115 VAC resistive
- Non-shorting contact (N)
- Insulation Resistance: 50 MΩ initial, 1000MΩ minimum



Use Series 11 Grayhill Knobs

Angle of Throw	Positions per Pole	No. of Decks	Poles Per Deck	Digi-Key Part No.	Price Each	Grayhill Part No.
					1 25 100	
36°	10	1	1	GH4201-ND	37.18 29.75 22.32	42D36-01-1-AJN
36°	5	1	2	GH4202-ND	38.77 31.02 23.27	42D36-01-2-AJN
36°	10	2	1	GH7343-ND NEW!	49.43 41.53 29.58	42D36-02-1-AJN
36°	5	2	5	GH7344-ND NEW!	52.70 44.28 31.54	42D36-02-2-AJN
30°	12	1	1	GH4401-ND	38.15 30.53 22.90	44D30-01-1-AJN
30°	6	1	2	GH4402-ND	39.77 31.82 23.86	44D30-01-2-AJN
30°	12	2	1	GH7345-ND NEW!	51.74 43.47 30.96	44D30-02-1-AJN
30°	6	2	2	GH7346-ND NEW!	54.98 46.20 32.90	44D30-02-2-AJN
30°	5	3	1	GH7334-ND NEW!	64.52 54.22 38.61	44D30-03-1-AJN

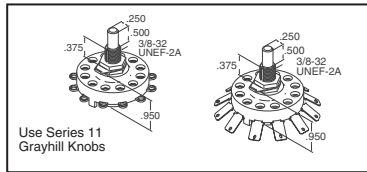
(Continued)

~ Exclusive Preview ~
New Product Coming Soon!

Series 19

Grayhill's Series 19 Single Deck Rotary Switches are 2 inches in diameter and are rated for 15Amps @ 120VAC. UL Recognized. Rugged Construction

- **Contacts:** Non-shorting
- **Rotational Torque:** 30 to 75 oz-inch
- Hardware included



Description	Digi-Key Part No.	1	25	100	250	Grayhill Part No.
4 Position, Solder Terminal	GH7283-ND	36.03	28.83	21.63	18.90	19001-04UL
6 Position, Solder Terminal	GH7284-ND	39.54	31.63	23.73	20.73	19001-06UL
8 Position, Solder Terminal	GH7285-ND	43.06	34.46	25.84	22.58	19001-08UL
10 Position, Solder Terminal	GH7286-ND	46.56	37.25	27.94	24.40	19001-10UL
4 Position, .250 Quick Connect	GH7287-ND	24.99	19.99	15.00	13.10	19101-04UL
6 Position, .250 Quick Connect	GH7288-ND	27.02	21.62	16.22	14.17	19101-06UL
8 Position, .250 Quick Connect	GH7289-ND	29.86	23.89	17.92	15.66	19101-08UL
10 Position, .250 Quick Connect	GH7290-ND	33.88	27.11	25.42	24.40	19101-10UL

NEW! Series 11 Knobs for Rotary Switches and Encoders

- Features:**
- **Color:** Black (Contact Digi-Key for Gray color)
 - **Material:** N = Nylon A = ABS
 - **Spring Clip** (press on) or Metal insert with set screw

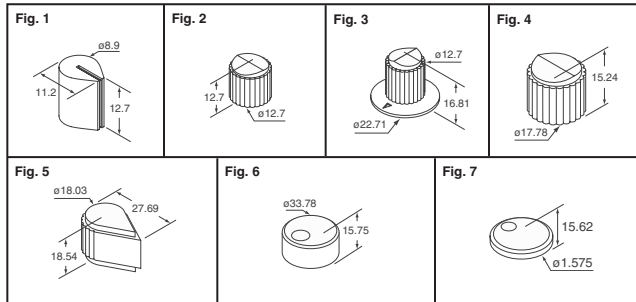


Fig.	Shaft Dia. (Inches)	Set Screw	Spring Clip	Digi-Key Part No.	1	25	100	250	Grayhill Part No.
1	.125	No	Yes	GH7335-ND	1.39	1.28	1.17	1.11	11K5017-JCNB
2	.125	No	Yes	GH7336-ND	.58	.54	.49	.49	11K5029-JCNB
3	.125	Yes	No	GH7337-ND	3.25	2.99	2.73	2.73	11K5015-JMNB
3	.250	Yes	No	GH7338-ND	1.62	1.49	1.37	1.37	11K5015-KMNB
4	.250	No	Yes	GH7339-ND	3.25	2.99	2.73	2.73	11K5014-KCNB
5	.250	No	Yes	GH7340-ND	.58	.54	.49	.49	11K5028-KCNB
6	.250	Yes	No	GH7341-ND	3.31	3.04	2.78	2.78	11K5013-KMNB
7	.250	No	Yes	GH7342-ND	.70	.64	.59	.59	11K5020-KCAB

CTS Adjustable Stop Rotary Switches

Specifications: • Adjustable stop allows you to limit the number of switch positions as needed • **Rotor Contact:** Standard with Silver plated Brass • **Rotor:** Standard with Nylon maximum temperature requirements of 125°C • **Voltage and Current ratings:** UL ratings are 3/4 amp at 125 volts AC; 1/4 amp at 250 volts DC; 1/2 amp at 125 volts DC (non-shorting contacts) • **Contact Resistance:** .008 ~ .010 • **Contact Life:** Silver plated brass, solid silver rotor contacts, and silver plated brass stator contacts provide a minimum reliable life of over 1,000,000 operations or of 50,000 cycles through twelve positions and return without appreciable rise in contact resistance.

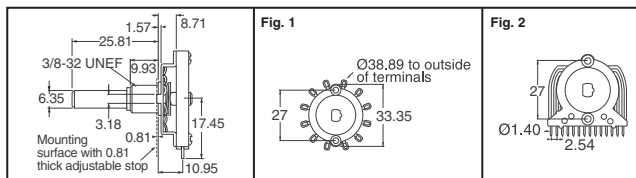


Fig.	Angle of Throw	Type	Terminals	No. Poles	No. Pos.	No. Decks	Current Rating Amps	Digi-Key Part No.	1	25	100	500
1	30°	Non-Short Shorting	Solder Lug	SP	12	1	3/4A-125VAC	CT12121-ND	7.59	7.06	5.86	5.86
								CT12122-ND	7.59	7.06	5.86	5.86
2	30°	Non-Short Shorting	Printed Circuit	SP	12	1	3/4A-125VAC	CT12123-ND	8.28	7.70	6.40	6.40
								CT12124-ND	8.23	7.66	6.36	6.36

LIFE EXPECTANCY: • **Mechanical:** 10,000 operations minimum (A6R 5,000) • **Electrical:** 2,000 operations minimum • **Contact Resistance:** 200mΩ.

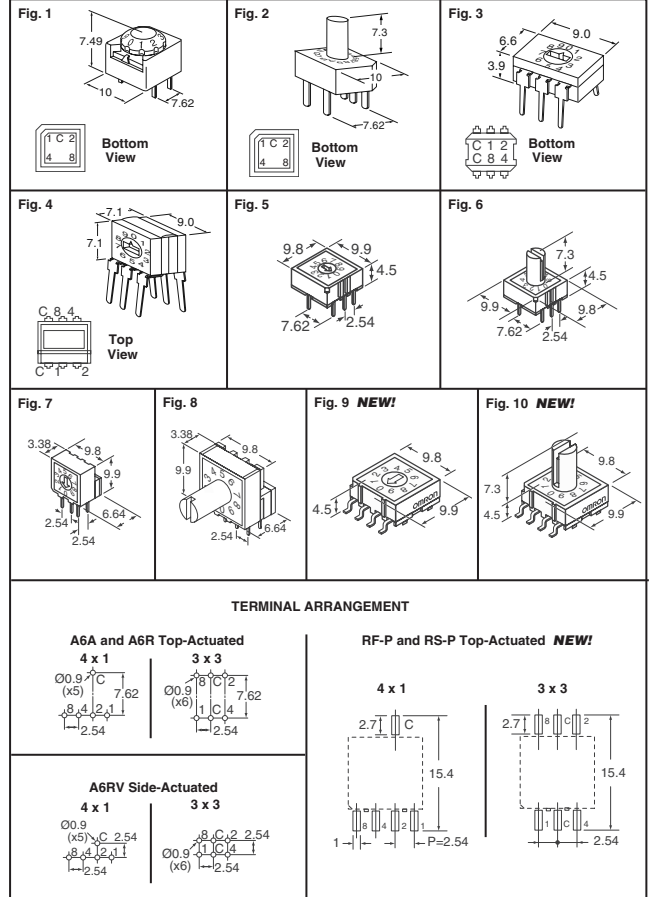


Fig.	No. of Pos.	Output Code Type	Switching Capacity mA VDC	Terminal Arrangement	Digi-Key Part No.	1	Price Each 25	50	100	Omron Part No.	
1	10	BCD Hexcomp.	100	28	4 x 1	SW220-ND	3.75	3.38	3.00	2.70	AGA-10R
	16	Hexdec.	100	28	4 x 1	SW221-ND	3.88	3.49	3.10	2.79	AGA-16R
	16	Hexcomp.	100	28	4 x 1	SW894-ND	4.94	4.45	3.95	3.56	AGA-16C
2	10	BCD Hexdec.	100	28	4 x 1	SW214-ND	4.13	3.72	3.30	2.97	AGA-10RS
	16	Hexdec.	100	28	4 x 1	SW215-ND	4.38	3.94	3.50	3.15	AGA-16RS
	16	Hexcomp.	100	28	4 x 1	SW222-ND	4.50	4.05	3.60	3.24	AGA-10RW
3	10	BCD Hexdec.	100	30	4 x 1	SW223-ND	4.63	4.17	3.70	3.33	AGA-16RW
	16	Hexdec.	100	30	4 x 1	SW895-ND	5.91	5.32	4.73	4.26	AGA-16CW
	16	Hexdec.	100	30	4 x 1	SW216-ND	2.88	2.59	2.30	2.07	AGC-10R(N)
4	10	BCD Hexdec.	100	30	4 x 1	SW217-ND	3.00	2.70	2.40	2.16	AGC-16R(N)
	16	Hexdec.	100	30	4 x 1	SW218-ND	3.88	3.49	3.10	2.79	AGCV-10R
	16	Hexdec.	100	30	4 x 1	SW219-ND	4.13	3.72	3.30	2.97	AGCV-16R
5	10	BCD Hexdec.	25	24	4 x 1	SW917-ND	2.88	2.60	2.31	2.08	AGR-101RF
	16	Hexdec.	25	24	4 x 1	SW921-ND	3.08	2.77	2.47	2.22	AGR-161RF
	10	BCD Hexdec.	25	24	3 x 3	SW751-ND	2.88	2.60	2.31	2.08	AGR-102RF
6	16	Hexdec.	25	24	3 x 3	SW752-ND	3.08	2.77	2.47	2.22	AGR-162RF
	10	BCD Hexdec.	25	24	4 X 1	SW918-ND	3.17	2.86	2.54	2.29	AGR-101RS
	16	Hexdec.	25	24	4 X 1	SW922-ND	3.37	3.04	2.70	2.43	AGR-161RS
7	10	BCD Hexdec.	25	24	3 x 3	SW753-ND	3.17	2.86	2.54	2.29	AGR-102RS
	16	Hexdec.	25	24	3 x 3	SW754-ND	3.37	3.04	2.70	2.43	AGR-162RS
	10	BCD Hexdec.	25	24	4 x 1	SW923-ND	3.27	2.95	2.62	2.36	AGRV-101RF
8	16	Hexdec.	25	24	4 x 1	SW925-ND	3.46	3.12	2.77	2.50	AGRV-161RF
	10	BCD Hexdec.	25	24	3 x 3	SW755-ND	3.27	2.95	2.62	2.36	AGRV-102RF
	16	Hexdec.	25	24	3 x 3	SW756-ND	3.46	3.12	2.77	2.50	AGRV-162RF
9	10	BCD Hexdec.	25	24	4 x 1	SW924-ND	3.56	3.21	2.85	2.57	AGRV-101RS
	16	Hexdec.	25	24	4 x 1	SW926-ND	3.75	3.38	3.00	2.70	AGRV-161RS
	10	BCD Hexdec.	25	24	3 x 3	SW757-ND	3.56	3.21	2.85	2.57	AGRV-102RS
10	16	Hexdec.	25	24	3 x 3	SW758-ND	3.75	3.38	3.00	2.70	AGRV-162RS
	10	BCD	25	24	4 x 1	SW1024CT-ND NEW!	2.88	2.59	2.30	2.07	AGRS-101RF-P
	16	Hexdec.	25	24	4 x 1	SW1024TR-ND NEW!	1078.50/750				AGRS-101RF-P
9	10	BCD	25	24	3 x 3	SW1025CT-ND NEW!	2.88	2.59	2.30	2.07	AGRS-102RF-P
	16	Hexdec.	25	24	3 x 3	SW1025TR-ND NEW!	1078.50/750				AGRS-102RF-P
	16	Hexdec.	25	24	4 x 1	SW1026CT-ND NEW!	3.08	2.77	2.46	2.22	AGRS-161RF-P
10	16	Hexdec.	25	24	4 x 1	SW1026TR-ND NEW!	1153.50/750				AGRS-161RF-P
	16	Hexdec.	25	24	3 x 3	SW1027CT-ND NEW!	3.08	2.77	2.46	2.22	AGRS-162RF-P
	16	Hexdec.	25	24	3 x 3	SW1027TR-ND NEW!	1153.50/750				AGRS-162RF-P
9	10	BCD	25	24	4 x 1	SW1028CT-ND NEW!	3.15	2.84	2.52	2.27	AGRS-101RS-P
	16	Hexdec.	25	24	4 x 1	SW1028TR-ND NEW!	393.75/250				AGRS-101RS-P
	10	BCD	25	24	3 x 3	SW1029CT-ND NEW!	3.15	2.84	2.52	2.27	AGRS-102RS-P
10	16	Hexdec.	25	24	3 x 3	SW1029TR-ND NEW!	393.75/250				AGRS-102RS-P
	16	Hexdec.	25	24	4 x 1	SW1030CT-ND NEW!	3.35	3.02	2.68	2.42	AGRS-161RS-P
	16	Hexdec.	25	24	4 x 1	SW1030TR-ND NEW!	418.75/250				AGRS-161RS-P
10	16	Hexdec.	25	24	3 x 3	SW1031CT-ND NEW!	3.35	3.02	2.68	2.42	AGRS-162RS-P
	16	Hexdec.	25	24	3 x 3	SW1031TR-ND NEW!	418.75/250				AGRS-162RS-P