

Таблица 1. Микросхемы для управления униполярными шаговыми двигателями.

тип	количество каналов в корпусе	максимальный ток, мА	максимальное напряжение, В	управляющие уровни	примечания
<b>Allegro (<a href="http://www.allegromicro.com">www.allegromicro.com</a>)</b>					
ULN2003	7	500	50	TTL, CMOS	
ULN2004	7	500	50	CMOS	
ULN2023	7	500	95	TTL, CMOS	
ULN2024	7	500	95	CMOS	
ULN2803	8	500	50	TTL, CMOS	
ULN2804	8	500	50	CMOS	
ULN2823	8	500	95	TTL, CMOS	
ULN2824	8	500	95	CMOS	
UDN2580	8	-500	50	TTL, CMOS	
UDN2585	8	-250	25	TTL, CMOS	
UDN2588	8	-500	80	TTL, CMOS	
UDN2985	8	-250	30	TTL, CMOS	
UDN2987	8	-500	35	TTL, CMOS	over-current protection
ULN2064	4	1500	50	TTL, CMOS	
ULN2068	4	1500	50	TTL, CMOS	
ULN2065	4	1500	80	TTL, CMOS	
ULN2069	4	1500	80	TTL, CMOS	
A2544	4	1800	50	TTL, CMOS	replaces L6221
A2540	4	1800	50	TTL, CMOS	replaces L6221
UCN5804	4	1500	35	TTL, CMOS	
SLA7024	4	1000	46	TTL, CMOS	
SLA7026	4	3000	46	TTL, CMOS	
SMA7029	4	1000	60	TTL, CMOS	
SLA7042	4	1200	46	TTL, CMOS	3-bit NL DAC, serial
SLA7044	4	3000	46	TTL, CMOS	3-bit NL DAC, serial
<b>Motorola (<a href="http://www.mot-sps.com">www.mot-sps.com</a>)</b>					
MC1413	7	500	50	TTL, CMOS	
MC1416	7	500	50	CMOS	
<b>NEC (<a href="http://www.ic.nec.co.jp">www.ic.nec.co.jp</a>)</b>					
uPA2003	7	500	50	TTL, CMOS	
uPA2004	7	500	50	CMOS	
<b>Toshiba (<a href="http://doc.semicon.toshiba.co.jp">http://doc.semicon.toshiba.co.jp</a>)</b>					
TD62064	4	1500	35	TTL, CMOS	
TD62164	4	700	50	TTL, CMOS	
TD62064A	4	1500	50	TTL, CMOS	
TD62164B	4	700	80	TTL, CMOS	
TD62064B	4	1500	80	TTL, CMOS	
TD62107	4	750	45	TTL, CMOS	with enable
TD62107B	4	750	80	TTL, CMOS	with enable
TD62074	4	1500	35	TTL, CMOS	isolated-type
TD62074A	4	1500	50	TTL, CMOS	isolated-type
TD62318A	4	700	50	TTL, CMOS	low-input-active
TD62308A	4	1500	50	TTL, CMOS	low-input-active
TD62318B	4	700	80	TTL, CMOS	low-input-active
TD62308B	4	1500	80	TTL, CMOS	low-input-active
TA8415	4	400	28	TTL, CMOS	

<b>National Semiconductor (<a href="http://www.national.com">www.national.com</a>)</b>					
DS2003	7	500	50	TTL, CMOS	
DS3658	4	600	70	TTL, CMOS	
DS3668	4	600	70	TTL, CMOS	
DS75451	2	300	30	TTL, CMOS	
DS75452	2	300	30	TTL, CMOS	
DS75453	2	300	30	TTL, CMOS	
<b>JRC (<a href="http://www.njr.co.jp">www.njr.co.jp</a>)</b>					
NJM3517	4	350	45	TTL, CMOS	bi-level drive
NJM3545	1	2000	40	TTL, CMOS	error logic output
NJM3548	1	2000	40	TTL, CMOS	error logic output
<b>SANYO (<a href="http://www.semic.sanyo.co.jp">www.semic.sanyo.co.jp</a>)</b>					
LB1246	7	400	7	TTL, CMOS	low-input-active
<b>SGS Thomson (<a href="http://us.st.com">http://us.st.com</a>)</b>					
L702	4	2000	70	TTL, CMOS	
L6223	4	1000	46	TTL, CMOS	8 PWM levels
<b>Signetics (<a href="http://www.signetics.com">www.signetics.com</a>)</b>					
SAA1027	4	500	18	TTL, CMOS	

Таблица 2. Микросхемы для управления биполярными шаговыми двигателями.

тип	количество каналов в корпусе	максимальный ток, мА	максимальное напряжение, В	примечания
<b>Allegro (<a href="http://www.allegromicro.com">www.allegromicro.com</a>)</b>				
A2916	2	750	45	
A2917	2	1500	45	
A2919	2	750	45	
A2998	2	2000	50	
A3948	1	1500	50	sync. rectifier
A3951	1	2000	50	
A3952	1	2000	50	
A3953	1	1300	50	
A3955	1	1500	50	3-bit NL DAC, decay control
A3957	1	1500	50	4-bit NL DAC, decay control
A3958	1	2000	50	serial control
A3959	1	3000	50	
A3964	2	800	33	
A3966	2	650	30	
A3968	2	650	50	
A3971	2	2500	50	
A3972	2	1500	50	6-bit LIN DAC, serial control
A3973	2	1000	35	6-bit LIN DAC, serial control
A3974	2	1500	50	
A3976	2	500	27	
A6219	2	750	45	
<b>Toshiba (<a href="http://doc.semicon.toshiba.co.jp">http://doc.semicon.toshiba.co.jp</a>)</b>				
TA8430	2	400	8	
TA7774	2	350	17	
TA84002	2	1000	35	PWM
TB62200	2	1500	30	PWM
TA8411	2+1	800+600	27	serial control
TB6500	2+1	800+600	27	serial control
TA7289F	2	300	30	4-bit DAC
TA7289P	2	700	30	4-bit DAC
TA8435	2	1500	40	sinusoidal drive
TB6512	2	120	10	Vcc=3V, sinusoidal drive
TB6526	2	120	8	Vcc=3V, sinusoidal drive
TB6504	2	150	10	Vcc=5V, sinusoidal drive
<b>National Semiconductor (<a href="http://www.national.com">www.national.com</a>)</b>				
LMD18200	2	3000	55	
LMD18201	2	3000	55	
LMD18245	2	3000	55	

<b>JRC (<a href="http://www.njr.co.jp">www.njr.co.jp</a>)</b>				
NJM3717	1	1200	50	PWM, thermal protection
NJM3770	1	1800	45	PWM, thermal protection
NJM3771	2	650	45	microstepping with NJU39610 DAC
NJM3772	2	1000	45	microstepping with NJU39610 DAC
NJM3773	2	750	45	
NJM3774	2	1000	45	microstepping with NJU39610 DAC
NJM3775	2	750	45	
NJM3777	2	900	45	
NJU39610	2	-	-	dual 8-bit DAC for microstepping
NJU39612	2	-	-	dual 8-bit DAC for microstepping
<b>Motorola (<a href="http://www.mot-sps.com">www.mot-sps.com</a>)</b>				
MC3479	2	350	16.5	
MC33192	2	120	25	MI-bus
SAA1042	2	500	24	
<b>SANYO (<a href="http://www.semic.sanyo.co.jp">www.semic.sanyo.co.jp</a>)</b>				
LB11847	2	1500	50	4-bit NL DAC, decay control
LB1651D	2	1000	36	
LB1656M	2	330	12	
LB1657M	2	330	12	
LB1839M	1	250	10.5	
LB1840M	1	250	10.5	
LB1845	2	1500	45	PWM, thermal protection
LB1846M	2	400	8	
LB1848M	2	400	8	
LB1847	2	1500	50	4-bit NL DAC, decay control
LB1945H	2	800	30	PWM, thermal protection
LB1947	1	2000	50	decay control
<b>SGS Thomson (<a href="http://us.st.com">http://us.st.com</a>)</b>				
L297	-	-	-	half/full step controller
L293	2	600	44	thermal protection
L298	2	2000	50	thermal protection
L6201	2	1000	48	
L6202	2	1500	48	
L6203	2	4000	48	
L6204	2	500	48	
L6210	-	-	-	dual diode Shottky bridge
L6219	2	750	46	full, half and microstepping modes
L6506	-	-	-	half/full step controller
TEA3717	2	1000	45	
TEA3718	2	1500	50	
L6258	2	1500	40	precision PWM control
L6207	2	2800	52	PWM, thermal protection
L6208	2	2800	52	PWM, thermal protection
L6205	2	2800	52	PWM, thermal protection
L6206	2	2800	52	PWM, thermal protection
<b>Unitrode (<a href="http://focus.ti.com">http://focus.ti.com</a>)</b>				
UC3717	1	1000	46	2-bit NL DAC
UC3770	1	2000	50	2-bit NL DAC

<b>NEC (<a href="http://www.ic.nec.co.jp">www.ic.nec.co.jp</a>)</b>				
uPD16818	2	430	6	
uPD16833	4	300	6	
<b>Matsushita (<a href="http://www.panasonic.co.jp">www.panasonic.co.jp</a>)</b>				
AN6664S	2	150	16	
AN6668NS	2	300	4.5	
AN8208S	2	300	6	
<b>Rohm (<a href="http://www.rohm.com">www.rohm.com</a>)</b>				
BA6846	2	500	18	
BA6343	2	500	33	
<b>Samsung (<a href="http://www.intl.samsungsemi.com">www.intl.samsungsemi.com</a>)</b>				
KA2820	2	500	15	
KA6202	2	330	12	thermal protection
<b>Fairchild (<a href="http://www.fairchildsemi.com">www.fairchildsemi.com</a>)</b>				
KA2820	2	500	15	
KA3100	2	400	9	
<b>Inferion</b>				
TLE4726	2	750	50	2-bit NL DAC
TLE4727	2	700	45	error flag, thermal protection
<b>Hitachi (<a href="http://www.hitachi.co.jp">www.hitachi.co.jp</a>)</b>				
HA13421	2	330	12	thermal protection
HA13475	2	330	12	thermal protection
<b>Mitsubishi (<a href="http://www.mitsubishichips.com">www.mitsubishichips.com</a>)</b>				
M54640P	1	1000	40	2-bit NL DAC, thermal protection
M54670P	2	1000	35	2-bit NL DAC, thermal protection
M54679FP	2	800	35	2-bit NL DAC, thermal protection
<b>Fujitsu (<a href="http://www.fmi.fujitsu.com">www.fmi.fujitsu.com</a>)</b>				
MB86521	2	140	7	4-bit NL DAC
<b>Cherry Semiconductor</b>				
CS279	2	275	13.2	
CS4161	2	100	24	
CS8441	2	275	24	