

Parameter	Description	Default	R/W	Saved
ACCEL	Acceleration	32	R/W	Yes
ADDR	Address to peek/poke	NONE	R/W	No
ANA0	Analog input	NONE	R/-	No
ANA1	Analog input	NONE	R/-	No
AP	Actual position	NONE	R/W	Yes
AP2	Actual position	NONE	-/-	No
B	Brake	0	R/W	No
BAUD	Baud rate	9600	R/W	No
CT	Close torque	NONE	R/W	Yes
CT2	Close torque	NONE	-/-	No
CTS	Counts per revolution	4096	R/W	Yes
CTS2	Counts per revolution	NONE	R/W	No
D	Duty cycle	0	R/W	No
DEF	Default command for CAN	NONE	-/W	No
DIG0	Digital I/O	0	R/W	No
DIG1	Digital I/O	0	R/W	No
DP	Default position	0	R/W	Yes
DP2	Default position	NONE	-/-	No
DS	Default step	10	R/W	Yes
DUMP	Log dump mode: 0=Manual, 1=Auto	0	R/W	No
E	Endpoint target	0	R/W	No
EN	Enable bitfield	0x00EE	R/W	Yes
ERROR	Error	NONE	R/-	No
GAIN1	Gimbals/safety gain 1 (Q4.12)	0x1000	R/W	Yes
GAIN2	Gimbals/safety gain 2 (Q4.12)	0x1000	R/W	Yes
GAIN3	Gimbals/safety gain 3 (Q4.12)	0x1000	R/W	Yes
GRPA	Comm group A	NONE	R/W	Yes
GRPB	Comm group B	NONE	R/W	Yes
GRPC	Comm group C	NONE	R/W	Yes
HSG	High strain gage	255	R/W	Yes
ID	CANbus ID	NONE	R/W	Yes
IFAULT	Ignore fault count	0	R/W	No
IKCOR	Current sense correction factor	NONE	R/W	Yes
IKI	Current sense integral gain	NONE	R/W	Yes
IKP	Current sense proportional gain	NONE	R/W	Yes
ILOGIC	Logic current	NONE	R/-	No
IMOTOR	Motor current	NONE	R/-	No
IOFF	Initialization offset	NONE	R/W	Yes
IOFST	Current offset	NONE	R/W	Yes
IPNM	CommandedCurrent / Nm (ratio)	NONE	R/W	Yes
IVEL	Initialization velocity	20	R/W	Yes
JIDX	Joint index	NONE	R/W	Yes
KD	Differential gain	0	R/W	Yes
KI	Integral gain	0	R/W	Yes
KP	Proportional gain	4096	R/W	Yes
LOAD	Load command for CAN	NONE	-/W	No
LOCK	Lock	0	-/W	No
LOG	Log status: 0=Off, 1=Once, 2=Continuous	0	R/W	No
LOG1	Log variable address 1	0	R/W	No
LOG2	Log variable address 2	0	R/W	No
LOG3	Log variable address 3	0	R/W	No
LOG4	Log variable address 4	0	R/W	No
LSG	Low strain gage	0	R/W	Yes
MAXPWR	Max allowed power	0	R/W	No
MCV	Max close velocity	300	R/W	Yes
MD	Max duty	990	R/W	No
MDS	Max duty sum	1650	R/W	Yes
MECH	Mechanical angle	NONE	R/-	No
MECH2	Mechanical angle	NONE	-/-	No
MODE	Mode of operation	0	R/W	No
MOFST	Mechanical offset	NONE	R/W	Yes
MOV	Max open velocity	300	R/W	Yes
MPE	Max position error	5	R/W	Yes
MT	Max torque	750	R/W	Yes
MV	Max velocity	300	R/W	Yes
OD	Odometer	NONE	R/W	Yes
OFFSET1	Gimbals offset 1 (Q4.12)	0	R/W	Yes
OFFSET2	Gimbals offset 2 (Q4.12)	0	R/W	Yes
OFFSET3	Gimbals offset 3 (Q4.12)	0	R/W	Yes
OT	Open torque	NONE	R/W	Yes
OT2	Open torque	NONE	-/-	No
OTEMP	Over temperature alarm	72	R/W	No
P	Position command	NONE	R/W	No
PEN	Pendant debug	NONE	R/W	No
PIDX	Puck index for torque	NONE	R/W	Yes
PTEMP	Peak temperature recorded	NONE	R/W	Yes
PWR	Observed power	NONE	R/-	No
RATIO	Output angle multiplier	NONE	R/W	Yes
ROLE	Role	NONE	R/W	Yes
SAFE	Safety debug	NONE	R/W	No
SAMPLE	Sample time	1000	R/W	Yes
SAVE	Save command for CAN	NONE	-/W	No
SG	Strain gage	NONE	R/-	No
SN	Serial number	NONE	R/W	Yes
STAT	Status	NONE	R/W	No
TEMP	Temperature	NONE	R/-	No
TENSION	Tensioner output	0	R/W	No
TENSO	Tension offset	NONE	R/W	Yes
TENST	Tension total	NONE	R/W	Yes
THERM	Thermistor	NONE	R/-	No
TL1	Torque warning level	4731	R/W	No
TL2	Torque critical level	5204	R/W	No
TORQ	Torque command	0	R/W	No
TSTOP	Time until considered stopped	1000	R/W	Yes
UNITS	Units of input angle	DEG	R/W	Yes
UPSECS	Up seconds in operation	NONE	R/W	Yes
V	Velocity command	0	R/W	No
VALUE	Value to poke/peeked	NONE	R/W	No
VBUS	Bus voltage	NONE	R/-	No
VERS	Version	NONE	R/W	No
VL1	Velocity warning level (Q4.12)	0x0800	R/W	No
VL2	Velocity critical level (Q4.12)	0x1000	R/W	No
VLOGIC	Logic voltage	NONE	R/-	No
VNOM	Vnominal	48	R/W	No
VOLTH1	Voltage high warning level	NONE	R/W	Yes
VOLTH2	Voltage high critical level	NONE	R/W	Yes
VOLTL1	Voltage low warning level	NONE	R/W	Yes
VOLTL2	Voltage low critical level	NONE	R/W	Yes
ZERO	Zeroed status	0	R/W	No

Key Parameter	
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1	ROLE
2	SN
3	ID
4	ERROR
5	STAT
6	ADDR
7	VALUE
8	MODE
9	D
10	TORQ
11	P
12	V
13	E
14	B
15	MD
16	MT
17	MV
18	MCV
19	MOV
20	MOFST
21	IOFST
22	PTEMP
23	UPSECS
24	OD
25	MDS
26	AP
27	AP2
28	MECH
29	MECH2
30	CTS
31	CTS2
32	DP
33	DP2
34	OT
35	OT2
36	CT
37	CT2
38	BAUD
39	TEMP
40	OTEMP
41	LOCK
42	DIG0
43	DIG1
44	ANA0
45	ANA1
46	THERM
47	VBUS
48	IMOTOR
49	VLOGIC
50	ILOGIC
51	GRPA
52	GRPB
53	GRPC
54	PIDX
55	ZERO
56	SG
57	HSG
58	LSG
59	DS
60	IVEL
61	IOFF
62	MPE
63	EN
64	TSTOP
65	KP
66	KD
67	KI
68	SAMPLE
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76	LOG2
77	LOG3
78	LOG4
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83	OFFSET2
84	OFFSET3
85	PEN
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91	VL2
92	TL1
93	TL2
94	VOLTL1
95	VOLTL2
96	VOLTH1
97	VOLTH2
98	MAXPWR
99	PWR
100	IFAULT
101	IKP
102	IKI
103	IKCOR
104	VNOM
105	TENST
106	TENSO
107	JIDX
108	IPNM