

[TEK32CP10-20-1]  
Chip Version=1.7.9  
UserID0=MDPH2 - Massive Dimension  
File Written=1/30/2019 3:47:35 PM  
Writer=244  
VCS=\$Revision\$ \$Archive\$ \$Date\$\nOptions=&H00090312  
CfgHW=&H01000000  
CfgTune=&H000008A1  
TrigMinPulseTime=20.133984 ; (ms)  
InAFiltTC=20. ; (ms)  
InBFiltTC=20. ; (ms)  
KnobSpdLim=199265. ; (cnts/sec)  
Kv=74293.  
Kp-out=40735.  
Kp-zero=35187.  
Ki-out=5814.  
Ki-zero=4616.  
KpFactor=1.  
KpZFactor=1.  
KiFactor=1.  
FineTunePosn=19.  
Kip Adj=0.  
Kii Adj=0.  
Kr=1.  
TgtWindow=3.  
StabWindow=0.  
Kfa=14890.  
Kfv=343.  
Kfj=29780.  
Knv=3568.  
Kip=5090.  
Kii=2110.  
TrqBias=0.000 ; (amperes)  
AHfuzz=1. ; (cnts)  
AHhyst=1. ; (cnts)  
AHhold=50. ; (ms)  
AHFiltTC=49.97 ; (ms)  
TrkErrLim=800. ; (cnts)  
StopType=0.  
TrqLim=20.00 ; (amps)  
HrdStpAltTrqLim=0.00 ; (amps)  
FldBckHS=1.00 ; (amperes)  
FldBckHSTC=199.68 ; (ms)  
FldBckMvDn=1.00 ; (amperes)  
FldBckMvDnTC=199.68 ; (ms)  
ClampTrq=1.00 ; (amperes)  
HrdStpTrip=80. ; (% of Trq Limit)  
HrdStpVel=6762.7 ; (cnts/sec)  
HrdStpTime=50. ; (ms)

StopQualTime=999.9 ; (ms)  
StopQualVel=0. ; (cnts/sec)  
MvDnTime=10. ; (ms)  
InRngWin=10.00 ; (cnts)  
InRngVelWin=3. ; (%)  
AccLim=1066676. ; (cnts/sec^2)  
DecLim=1066676. ; (cnts/sec^2)  
VelLim=213333.345 ; (cnts/sec)  
EStopDec=1066676. ; (cnts/sec^2)  
ATmaxAcc=-87.026 ; (cnts/sec^2)  
ATmaxVel=0.0 ; (cnts/sec)  
Inertia=0.  
Static Friction=0.  
Viscous Friction=0.  
Homing Speed=8533. ; (cnts/sec)  
Homing Accel=1066676. ; (Mcnts/sec^2)  
Homing Offset=0. ; (cnts)  
MaxTravel=0.00 ; (cnts)  
HrdStpDelay=599.9 ; (ms)  
StepsPerRev=800. ; (cnts/rev)  
AltSpdLim=8533. ; (cnts/sec)  
BnF CwVelLim=213333.345 ; (cnts/sec)  
BnF CcwVelLim=213333.345 ; (cnts/sec)  
VelKnob MaxCWVel=213333.345 ; (cnts/sec)  
VelKnob MaxCCWVel=213333.345 ; (cnts/sec)  
VelKnob VelScale=427. ; (RPM per knob count)  
AbsPosn Posn0=0. ; (cnts)  
AbsPosn Posn1=0. ; (cnts)  
AbsPosn Posn2=0. ; (cnts)  
AbsPosn Posn3=0. ; (cnts)  
IncPosn Dist0=0. ; (cnts)  
IncPosn Dist1=0. ; (cnts)  
IncPosn Dist2=0. ; (cnts)  
IncPosn Dist3=0. ; (cnts)  
SpinOnPwr Vel=0. ; (cnts/sec)  
Ramp2Spd TrqLim=20.00 ; (amps)  
Ramp2Spd Vel0=0. ; (cnts/sec)  
Ramp2Spd Vel1=0. ; (cnts/sec)  
Ramp2Spd Vel2=0. ; (cnts/sec)  
Ramp2Spd Vel3=0. ; (cnts/sec)  
VelFollow MaxSpeed=213333. ; (cnts/sec)  
VelFollow MaxFreq=0.  
VelFollow MinFreq=0.  
VelFollow PWM Deadband=0. ; (+/-%)  
TrqFollow MaxTrq=20.00 ; (amps)  
TrqFollow TrqFiltTC=49.97 ; (ms)  
TrqFollow OverSpd Time=10.07 ; (ms)  
TrqFollow MaxSpd=106666.660 ; (cnts/sec)  
ADCmax=50.00 ; (amperes)  
RMSmax=10.00 ; (amperes)

PN=CPM-SDSK-3441S-RLN-1-7-D  
CmdTuneReg=&H00000004  
CommAngleLim=20.0 ; (elec. deg.)  
NoCommTrq=5.2 ; (amperes)  
NoCommRamp=2000. ; (ms)  
NoCommSweep=1000. ; (ms)  
NoCommSettle=500. ; (ms)  
VerifyMaxMotion=15.0 ; (elec. deg.)  
VerifyMinMotion=5.0 ; (elec. deg.)  
VerifyRampTime=100. ; (ms)  
VerifyTime=300. ; (ms)  
PwrUpHoldoffTime=500.1 ; (ms)  
JogAccel=21321.3424 ; (Mcnts/sec^2)  
JogVel=16000.012 ; (kcnts/sec)  
RGenOn=92.00 ; (volts DC)  
RGenOff=87.00 ; (volts DC)  
RGenTC=10.00 ; (ms)  
PWMCMaVel=213333. ; (cnts/sec)  
AltTrqLim=20.00 ; (amps)  
AltTrqTC=20.0 ; (ms)  
AsymTrqLim00=20.00 ; (amps)  
AsymTrqLim01=-20.00 ; (amps)  
AsymTrqLim10=20.00 ; (amps)  
AsymTrqLim11=-20.00 ; (amps)  
CfgApp=&H9118000B  
CfgApp1=&H00000000  
PosnRecAcc=1066676.3027 ; (Mcnts/sec^2)  
PosnRecVel=42666.664 ; (kcnts/sec)  
MinOperV=0.00 ; (volts DC)  
ShutdownMask=&HFFFFFFFFFFFFFFFFFFFFFFFF  
OverTempUser=83. ; (deg. (C))  
IBLimUser=8.00 ; (amperes)  
IndexDetectSpeedLim=0. ; (cnts/sec)  
RMSStoppedFactor=1.000  
RMSStoppedSpeed=0.000 ; (cnts/sec)  
Eff KiOut=5814.  
Eff KiZero=4616.  
Eff KpOut=40735.  
Eff KpZero=35187.  
Eff Kip=5090.  
Eff Kii=2110.  
UserDesc=MDPH2 - Massive Dimension Pellet Head 2  
Feed Screw Drive Motor  
[Motor Info]  
Poles=8.  
EncDens=12800. ; (cnts/rev)  
Ke=78.781 ; (Vpeak/kRPM)  
RO=-85. ; (elec. deg.)  
MtrOhms=2.636719 ; (ohms)  
MtrTC=2.52 ; (ms)

RMSlim=6.000000 ; (amperes)  
RMStime=2.985141 ; (sec)  
RMSSlowLim=5.190000 ; (amperes)  
RMSSlowTC=4.992702 ; (min)