

11/9/15

[fb] firmware build 440.20
[fv] firmware version 0.97
[hp] hardware platform 1.00
[hv] hardware version 8.00
[id] TinyG ID 3X3566-HJV
[ja] junction acceleration 2000000 mm
[ct] chordal tolerance 0.0100 mm
[sl] soft limit enable 0
[st] switch type 1 [0=NO,1=NC]
[mt] motor idle timeout 2.00 Sec
[ej] enable json mode 0 [0=text,1=JSON]
[jv] json verbosity 4 [0=silent,1=footer,2=messages,3=configs,4=linenum,5=verbose]
[js] json serialize style 1 [0=relaxed,1=strict]
[tv] text verbosity 1 [0=silent,1=verbose]
[qv] queue report verbosity 1 [0=off,1=single,2=triple]
[sv] status report verbosity 1 [0=off,1=filtered,2=verbose]
[si] status interval 250 ms
[ec] expand LF to CRLF on TX 0 [0=off,1=on]
[ee] enable echo 0 [0=off,1=on]
[ex] enable flow control 1 [0=off,1=XON/XOFF,2=RTS/CTS]
[baud] USB baud rate 5 [1=9600,2=19200,3=38400,4=57600,5=115200,6=230400]
[net] network mode 0 [0=master]
[gpl] default gcode plane 0 [0=G17,1=G18,2=G19]
[gun] default gcode units mode 1 [0=G20,1=G21]
[gco] default gcode coord system 1 [1-6 (G54-G59)]
[gpa] default gcode path control 2 [0=G61,1=G61.1,2=G64]
[gdi] default gcode distance mode 0 [0=G90,1=G91]
[1ma] m1 map to axis 0 [0=X,1=Y,2=Z...]
[1sa] m1 step angle 1.800 deg
[1tr] m1 travel per revolution 40.0000 mm
[1mi] m1 microsteps 8 [1,2,4,8]
[1po] m1 polarity 0 [0=normal,1=reverse]
[1pm] m1 power management 2 [0=disabled,1=always on,2=in cycle,3=when moving]
[2ma] m2 map to axis 1 [0=X,1=Y,2=Z...]
[2sa] m2 step angle 1.800 deg
[2tr] m2 travel per revolution 40.0000 mm
[2mi] m2 microsteps 8 [1,2,4,8]
[2po] m2 polarity 0 [0=normal,1=reverse]
[2pm] m2 power management 2 [0=disabled,1=always on,2=in cycle,3=when moving]
[3ma] m3 map to axis 2 [0=X,1=Y,2=Z...]
[3sa] m3 step angle 1.800 deg

[3tr] m3 travel per revolution 1.2500 mm
 [3mi] m3 microsteps 4 [1,2,4,8]
 [3po] m3 polarity 0 [0=normal,1=reverse]
 [3pm] m3 power management 2 [0=disabled,1=always on,2=in cycle,3=when moving]
 [4ma] m4 map to axis 2 [0=X,1=Y,2=Z...]
 [4sa] m4 step angle 1.800 deg
 [4tr] m4 travel per revolution 2.1166 mm
 [4mi] m4 microsteps 8 [1,2,4,8]
 [4po] m4 polarity 0 [0=normal,1=reverse]
 [4pm] m4 power management 2 [0=disabled,1=always on,2=in cycle,3=when moving]
 [xam] x axis mode 1 [standard]
 [xvm] x velocity maximum 16000 mm/min
 [xfr] x feedrate maximum 16000 mm/min
 [xtn] x travel minimum 0.000 mm
 [xtm] x travel maximum 220.000 mm
 [xjm] x jerk maximum 5000 mm/min³ * 1 million
 [xjh] x jerk homing 10000 mm/min³ * 1 million
 [xjd] x junction deviation 0.0100 mm (larger is faster)
 [xsn] x switch min 1 [0=off,1=homing,2=limit,3=limit+homing]
 [xsx] x switch max 0 [0=off,1=homing,2=limit,3=limit+homing]
 [xsv] x search velocity 3000 mm/min
 [xlv] x latch velocity 100 mm/min
 [xlb] x latch backoff 20.000 mm
 [xzb] x zero backoff 3.000 mm
 [yam] y axis mode 1 [standard]
 [yvm] y velocity maximum 16000 mm/min
 [yfr] y feedrate maximum 16000 mm/min
 [ytn] y travel minimum 0.000 mm
 [ytm] y travel maximum 220.000 mm
 [yjm] y jerk maximum 5000 mm/min³ * 1 million
 [yjh] y jerk homing 10000 mm/min³ * 1 million
 [yjd] y junction deviation 0.0100 mm (larger is faster)
 [ysn] y switch min 1 [0=off,1=homing,2=limit,3=limit+homing]
 [ysx] y switch max 0 [0=off,1=homing,2=limit,3=limit+homing]
 [ysv] y search velocity 3000 mm/min
 [ylv] y latch velocity 100 mm/min
 [ylb] y latch backoff 20.000 mm
 [yzb] y zero backoff 3.000 mm
 [zam] z axis mode 1 [standard]
 [zvm] z velocity maximum 800 mm/min
 [zfr] z feedrate maximum 800 mm/min
 [ztn] z travel minimum 0.000 mm
 [ztm] z travel maximum 100.000 mm

[zjm] z jerk maximum	50 mm/min ³ * 1 million
[zjh] z jerk homing	1000 mm/min ³ * 1 million
[zjd] z junction deviation	0.0100 mm (larger is faster)
[zsn] z switch min	0 [0=off,1=homing,2=limit,3=limit+homing]
[zsx] z switch max	1 [0=off,1=homing,2=limit,3=limit+homing]
[zsv] z search velocity	3000 mm/min
[zlv] z latch velocity	100 mm/min
[zlb] z latch backoff	10.000 mm
[zzb] z zero backoff	3.000 mm
[aam] a axis mode	3 [radius]
[avm] a velocity maximum	25920 deg/min
[afr] a feedrate maximum	12960 deg/min
[atn] a travel minimum	-1.000 deg
[atm] a travel maximum	-1.000 deg
[ajm] a jerk maximum	324000 deg/min ³ * 1 million
[ajh] a jerk homing	324000 deg/min ³ * 1 million
[ajd] a junction deviation	0.1000 deg (larger is faster)
[ara] a radius value	5.3052 deg
[asn] a switch min	1 [0=off,1=homing,2=limit,3=limit+homing]
[asx] a switch max	0 [0=off,1=homing,2=limit,3=limit+homing]
[asv] a search velocity	2000 deg/min
[alv] a latch velocity	2000 deg/min
[alb] a latch backoff	5.000 deg
[azb] a zero backoff	2.000 deg
[bam] b axis mode	0 [disabled]
[bvm] b velocity maximum	3600 deg/min
[bfr] b feedrate maximum	3600 deg/min
[btn] b travel minimum	-1.000 deg
[btm] b travel maximum	-1.000 deg
[bjm] b jerk maximum	20 deg/min ³ * 1 million
[bjd] b junction deviation	0.0100 deg (larger is faster)
[bra] b radius value	1.0000 deg
[cam] c axis mode	0 [disabled]
[cvm] c velocity maximum	3600 deg/min
[cfr] c feedrate maximum	3600 deg/min
[ctn] c travel minimum	-1.000 deg
[ctm] c travel maximum	-1.000 deg
[cjm] c jerk maximum	20 deg/min ³ * 1 million
[cjd] c junction deviation	0.0100 deg (larger is faster)
[cra] c radius value	1.0000 deg
[p1frq] pwm frequency	5000 Hz
[p1csl] pwm cw speed lo	0 RPM
[p1csh] pwm cw speed hi	10000 RPM

[p1cpl] pwm cw phase lo	0.000 [0..1]
[p1cph] pwm cw phase hi	1.000 [0..1]
[p1wsl] pwm ccw speed lo	1000 RPM
[p1wsh] pwm ccw speed hi	2000 RPM
[p1wpl] pwm ccw phase lo	0.125 [0..1]
[p1wph] pwm ccw phase hi	0.200 [0..1]
[p1pof] pwm phase off	0.000 [0..1]
[g54x] g54 x offset	0.000 mm
[g54y] g54 y offset	0.000 mm
[g54z] g54 z offset	0.000 mm
[g54a] g54 a offset	0.000 deg
[g54b] g54 b offset	0.000 deg
[g54c] g54 c offset	0.000 deg
[g55x] g55 x offset	145.000 mm
[g55y] g55 y offset	160.000 mm
[g55z] g55 z offset	0.000 mm
[g55a] g55 a offset	0.000 deg
[g55b] g55 b offset	0.000 deg
[g55c] g55 c offset	0.000 deg
[g56x] g56 x offset	0.000 mm
[g56y] g56 y offset	0.000 mm
[g56z] g56 z offset	0.000 mm
[g56a] g56 a offset	0.000 deg
[g56b] g56 b offset	0.000 deg
[g56c] g56 c offset	0.000 deg
[g57x] g57 x offset	0.000 mm
[g57y] g57 y offset	0.000 mm
[g57z] g57 z offset	0.000 mm
[g57a] g57 a offset	0.000 deg
[g57b] g57 b offset	0.000 deg
[g57c] g57 c offset	0.000 deg
[g58x] g58 x offset	0.000 mm
[g58y] g58 y offset	0.000 mm
[g58z] g58 z offset	0.000 mm
[g58a] g58 a offset	0.000 deg
[g58b] g58 b offset	0.000 deg
[g58c] g58 c offset	0.000 deg
[g59x] g59 x offset	0.000 mm
[g59y] g59 y offset	0.000 mm
[g59z] g59 z offset	0.000 mm
[g59a] g59 a offset	0.000 deg
[g59b] g59 b offset	0.000 deg
[g59c] g59 c offset	0.000 deg

[g92x] g92 x offset 0.000 mm
[g92y] g92 y offset 0.000 mm
[g92z] g92 z offset 0.000 mm
[g92a] g92 a offset 0.000 deg
[g92b] g92 b offset 0.000 deg
[g92c] g92 c offset 0.000 deg
[g28x] g28 x position 0.000 mm
[g28y] g28 y position 0.000 mm
[g28z] g28 z position 0.000 mm
[g28a] g28 a position 0.000 deg
[g28b] g28 b position 0.000 deg
[g28c] g28 c position 0.000 deg
[g30x] g30 x position 0.000 mm
[g30y] g30 y position 0.000 mm
[g30z] g30 z position 0.000 mm
[g30a] g30 a position 0.000 deg
[g30b] g30 b position 0.000 deg
[g30c] g30 c position 0.000 deg
tinyg [mm] ok>

11/7/15

[fb] firmware build 440.20
[fv] firmware version 0.97
[hp] hardware platform 1.00
[hv] hardware version 8.00
[id] TinyG ID 3X3566-HJV
[ja] junction acceleration 2000000 mm
[ct] chordal tolerance 0.0100 mm
[sl] soft limit enable 0
[st] switch type 1 [0=NO,1=NC]
[mt] motor idle timeout 2.00 Sec
[ej] enable json mode 0 [0=text,1=JSON]
[jv] json verbosity 4 [0=silent,1=footer,2=messages,3=configs,4=linenum,5=verbose]
[js] json serialize style 1 [0=relaxed,1=strict]
[tv] text verbosity 1 [0=silent,1=verbose]
[qv] queue report verbosity 1 [0=off,1=single,2=triple]
[sv] status report verbosity 1 [0=off,1=filtered,2=verbose]
[si] status interval 250 ms

[ec] expand LF to CRLF on TX 0 [0=off,1=on]
 [ee] enable echo 0 [0=off,1=on]
 [ex] enable flow control 1 [0=off,1=XON/XOFF, 2=RTS/CTS]
 [baud] USB baud rate 5 [1=9600,2=19200,3=38400,4=57600,5=115200,6=230400]
 [net] network mode 0 [0=master]
 [gpl] default gcode plane 0 [0=G17,1=G18,2=G19]
 [gun] default gcode units mode 1 [0=G20,1=G21]
 [gco] default gcode coord system 1 [1-6 (G54-G59)]
 [gpa] default gcode path control 2 [0=G61,1=G61.1,2=G64]
 [gdi] default gcode distance mode 0 [0=G90,1=G91]
 [1ma] m1 map to axis 0 [0=X,1=Y,2=Z...]
 [1sa] m1 step angle 1.800 deg
 [1tr] m1 travel per revolution 40.0000 mm
 [1mi] m1 microsteps 8 [1,2,4,8]
 [1po] m1 polarity 0 [0=normal,1=reverse]
 [1pm] m1 power management 2 [0=disabled,1=always on,2=in cycle,3=when moving]
 [2ma] m2 map to axis 1 [0=X,1=Y,2=Z...]
 [2sa] m2 step angle 1.800 deg
 [2tr] m2 travel per revolution 40.0000 mm
 [2mi] m2 microsteps 8 [1,2,4,8]
 [2po] m2 polarity 0 [0=normal,1=reverse]
 [2pm] m2 power management 0 [0=disabled,1=always on,2=in cycle,3=when moving]
 [3ma] m3 map to axis 2 [0=X,1=Y,2=Z...]
 [3sa] m3 step angle 1.800 deg
 [3tr] m3 travel per revolution 1.2500 mm
 [3mi] m3 microsteps 4 [1,2,4,8]
 [3po] m3 polarity 0 [0=normal,1=reverse]
 [3pm] m3 power management 0 [0=disabled,1=always on,2=in cycle,3=when moving]
 [4ma] m4 map to axis 3 [0=X,1=Y,2=Z...]
 [4sa] m4 step angle 1.800 deg
 [4tr] m4 travel per revolution 360.0000 mm
 [4mi] m4 microsteps 8 [1,2,4,8]
 [4po] m4 polarity 0 [0=normal,1=reverse]
 [4pm] m4 power management 0 [0=disabled,1=always on,2=in cycle,3=when moving]
 [xam] x axis mode 1 [standard]
 [xvm] x velocity maximum 16000 mm/min
 [xfr] x feedrate maximum 16000 mm/min
 [xtn] x travel minimum 0.000 mm
 [xtn] x travel maximum 290.000 mm
 [xjm] x jerk maximum 5000 mm/min³ * 1 million
 [xjh] x jerk homing 10000 mm/min³ * 1 million
 [xjd] x junction deviation 0.0100 mm (larger is faster)
 [xsn] x switch min 0 [0=off,1=homing,2=limit,3=limit+homing]

[xsx] x switch max	0 [0=off,1=homing,2=limit,3=limit+homing]
[xsv] x search velocity	3000 mm/min
[xlv] x latch velocity	100 mm/min
[xlb] x latch backoff	10.000 mm
[xzb] x zero backoff	2.000 mm
[yam] y axis mode	1 [standard]
[yvm] y velocity maximum	16000 mm/min
[yfr] y feedrate maximum	16000 mm/min
[ytn] y travel minimum	0.000 mm
[ytm] y travel maximum	320.000 mm
[yjm] y jerk maximum	5000 mm/min ³ * 1 million
[yjh] y jerk homing	10000 mm/min ³ * 1 million
[yjd] y junction deviation	0.0100 mm (larger is faster)
[ysn] y switch min	0 [0=off,1=homing,2=limit,3=limit+homing]
[ysx] y switch max	0 [0=off,1=homing,2=limit,3=limit+homing]
[ysv] y search velocity	3000 mm/min
[ylv] y latch velocity	100 mm/min
[ylb] y latch backoff	10.000 mm
[yzb] y zero backoff	2.000 mm
[zam] z axis mode	1 [standard]
[zvm] z velocity maximum	1000 mm/min
[zfr] z feedrate maximum	1000 mm/min
[ztn] z travel minimum	-120.000 mm
[ztm] z travel maximum	0.000 mm
[zjm] z jerk maximum	20 mm/min ³ * 1 million
[zjh] z jerk homing	1000 mm/min ³ * 1 million
[zjd] z junction deviation	0.0100 mm (larger is faster)
[zsn] z switch min	0 [0=off,1=homing,2=limit,3=limit+homing]
[zsx] z switch max	0 [0=off,1=homing,2=limit,3=limit+homing]
[zsv] z search velocity	1000 mm/min
[zlv] z latch velocity	100 mm/min
[zlb] z latch backoff	10.000 mm
[zzb] z zero backoff	3.000 mm
[aam] a axis mode	3 [radius]
[avm] a velocity maximum	25920 deg/min
[afr] a feedrate maximum	12960 deg/min
[atn] a travel minimum	-1.000 deg
[atm] a travel maximum	-1.000 deg
[ajm] a jerk maximum	324000 deg/min ³ * 1 million
[ajh] a jerk homing	324000 deg/min ³ * 1 million
[ajd] a junction deviation	0.1000 deg (larger is faster)
[ara] a radius value	5.3052 deg
[asn] a switch min	0 [0=off,1=homing,2=limit,3=limit+homing]

[asx] a switch max	0 [0=off,1=homing,2=limit,3=limit+homing]
[asv] a search velocity	2000 deg/min
[alv] a latch velocity	2000 deg/min
[alb] a latch backoff	5.000 deg
[azb] a zero backoff	2.000 deg
[bam] b axis mode	0 [disabled]
[bvm] b velocity maximum	3600 deg/min
[bfr] b feedrate maximum	3600 deg/min
[btn] b travel minimum	-1.000 deg
[btm] b travel maximum	-1.000 deg
[bjm] b jerk maximum	20 deg/min ³ * 1 million
[bjd] b junction deviation	0.0100 deg (larger is faster)
[bra] b radius value	1.0000 deg
[cam] c axis mode	0 [disabled]
[cvm] c velocity maximum	3600 deg/min
[cfr] c feedrate maximum	3600 deg/min
[ctn] c travel minimum	-1.000 deg
[ctm] c travel maximum	-1.000 deg
[cjm] c jerk maximum	20 deg/min ³ * 1 million
[cjd] c junction deviation	0.0100 deg (larger is faster)
[cra] c radius value	1.0000 deg
[p1frq] pwm frequency	5000 Hz
[p1csl] pwm cw speed lo	1000 RPM
[p1csh] pwm cw speed hi	10000 RPM
[p1cpl] pwm cw phase lo	0.125 [0..1]
[p1cph] pwm cw phase hi	0.200 [0..1]
[p1wsl] pwm ccw speed lo	1000 RPM
[p1wsh] pwm ccw speed hi	2000 RPM
[p1wpl] pwm ccw phase lo	0.125 [0..1]
[p1wph] pwm ccw phase hi	0.200 [0..1]
[p1pof] pwm phase off	0.000 [0..1]
[g54x] g54 x offset	0.000 mm
[g54y] g54 y offset	0.000 mm
[g54z] g54 z offset	0.000 mm
[g54a] g54 a offset	0.000 deg
[g54b] g54 b offset	0.000 deg
[g54c] g54 c offset	0.000 deg
[g55x] g55 x offset	145.000 mm
[g55y] g55 y offset	160.000 mm
[g55z] g55 z offset	0.000 mm
[g55a] g55 a offset	0.000 deg
[g55b] g55 b offset	0.000 deg
[g55c] g55 c offset	0.000 deg

[g56x] g56 x offset	0.000 mm
[g56y] g56 y offset	0.000 mm
[g56z] g56 z offset	0.000 mm
[g56a] g56 a offset	0.000 deg
[g56b] g56 b offset	0.000 deg
[g56c] g56 c offset	0.000 deg
[g57x] g57 x offset	0.000 mm
[g57y] g57 y offset	0.000 mm
[g57z] g57 z offset	0.000 mm
[g57a] g57 a offset	0.000 deg
[g57b] g57 b offset	0.000 deg
[g57c] g57 c offset	0.000 deg
[g58x] g58 x offset	0.000 mm
[g58y] g58 y offset	0.000 mm
[g58z] g58 z offset	0.000 mm
[g58a] g58 a offset	0.000 deg
[g58b] g58 b offset	0.000 deg
[g58c] g58 c offset	0.000 deg
[g59x] g59 x offset	0.000 mm
[g59y] g59 y offset	0.000 mm
[g59z] g59 z offset	0.000 mm
[g59a] g59 a offset	0.000 deg
[g59b] g59 b offset	0.000 deg
[g59c] g59 c offset	0.000 deg
[g92x] g92 x offset	0.000 mm
[g92y] g92 y offset	0.000 mm
[g92z] g92 z offset	0.000 mm
[g92a] g92 a offset	0.000 deg
[g92b] g92 b offset	0.000 deg
[g92c] g92 c offset	0.000 deg
[g28x] g28 x position	0.000 mm
[g28y] g28 y position	0.000 mm
[g28z] g28 z position	0.000 mm
[g28a] g28 a position	0.000 deg
[g28b] g28 b position	0.000 deg
[g28c] g28 c position	0.000 deg
[g30x] g30 x position	0.000 mm
[g30y] g30 y position	0.000 mm
[g30z] g30 z position	0.000 mm
[g30a] g30 a position	0.000 deg
[g30b] g30 b position	0.000 deg
[g30c] g30 c position	0.000 deg

tinyg [mm] ok>

