

```
Connecting...
Attempted to write invalid text to console, which could be due to an invalid baudrate
start
Printer is now online.
echo:Marlin bugfix-2.0.x
echo: Last Updated: 2020-03-21 | Author: (none, default config)
echo:Compiled: Mar 25 2020
echo: Free Memory: 3641  PlannerBufferBytes: 1216
Setting hotend temperature to 190.000000 degrees Celsius.
Setting bed temperature to 60.000000 degrees Celsius.
echo:V76 stored settings retrieved (740 bytes; crc 14750)
SENDING:M111 S247
echo:DEBUG:ECHO,INFO,ERRORS,COMMUNICATION,LEVELING
echo:M105
echo:M105
echo:M105
echo:M105
echo:M105
>>> g28
SENDING:G28
echo:G28
>>> G28
Machine Type: Cartesian
Probe: FIX_MOUNTED_PROBE
Probe Offset X30.00 Y-20.00 Z-1.45 (Right-Front & Below Nozzle)
Auto Bed Leveling: BILINEAR (disabled)
echo:Active Extruder: 0
Raise Z (before homing) to 5.00
>>> do_blocking_move_to X120.00 Y170.00 Z5.00
<<< do_blocking_move_to
>>> homeaxis(X)
Home 1 Fast:
>>> do_homing_move(X, -450.00, [50.00])
echo:busy: processing
<<< do_homing_move(X)
Move Away:
>>> do_homing_move(X, 5.00, [50.00])
<<< do_homing_move(X)
Home 2 Slow:
>>> do_homing_move(X, -10.00, 25.00)
echo:busy: processing
<<< do_homing_move(X)
>>> set_axis_is_at_home(X)
Axis 88 home_offset = 0.00 position_shift = 0.00
> home_offset[X] = 0.00
  current_position= X0.00 Y170.00 Z5.00 :
<<< set_axis_is_at_home(X)
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    current_position= X0.00 Y170.00 Z5.00 : sync_plan_position
    current_position= X0.00 Y170.00 Z5.00 : > AFTER set_axis_is_at_home
<<< homeaxis(X)
>>> homeaxis(Y)
Home 1 Fast:
>>> do_homing_move(Y, -450.00, [50.00])
echo:busy: processing
<<< do_homing_move(Y)
Move Away:
>>> do_homing_move(Y, 5.00, [50.00])
<<< do_homing_move(Y)
Home 2 Slow:
>>> do_homing_move(Y, -10.00, 25.00)
echo:busy: processing
<<< do_homing_move(Y)
>>> set_axis_is_at_home(Y)
Axis 89 home_offset = 0.00 position_shift = 0.00
> home_offset[Y] = 0.00
    current_position= X0.00 Y0.00 Z5.00 :
<<< set_axis_is_at_home(Y)
    current_position= X0.00 Y0.00 Z5.00 : sync_plan_position
    current_position= X0.00 Y0.00 Z5.00 : > AFTER set_axis_is_at_home
<<< homeaxis(Y)
home_z_safely >>>
    current_position= X0.00 Y0.00 Z5.00 : sync_plan_position
    destination= X120.00 Y170.00 Z6.45 : home_z_safely
>>> do_blocking_move_to X120.00 Y170.00 Z5.00
<<< do_blocking_move_to
>>> homeaxis(Z)
    current_position= X120.00 Y170.00 Z5.00 : Probe::set_deployed
deploy: 1
Probe::move_z(10.00)
>>> do_blocking_move_to X120.00 Y170.00 Z11.45
<<< do_blocking_move_to
echo:busy: processing
>>> do_blocking_move_to X120.00 Y170.00 Z11.45
<<< do_blocking_move_to
Home 1 Fast:
>>> do_homing_move(Z, -675.00, [4.00])
echo:busy: processing
echo:busy: processing
<<< do_homing_move(Z)
Move Away:
>>> do_homing_move(Z, 5.00, 4.00)
<<< do_homing_move(Z)
Home 2 Slow:
>>> do_homing_move(Z, -10.00, 2.00)

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```
echo:busy: processing
echo:busy: processing
<<< do_homing_move(Z)
>>> set_axis_is_at_home(Z)
*** Z HOMED WITH PROBE (Z_MIN_PROBE_USES_Z_MIN_ENDSTOP_PIN) ***
> probe.offset.z = -1.45
Axis 90 home_offset = 0.00 position_shift = 0.00
> home_offset[Z] = 0.00
  current_position= X120.00 Y170.00 Z1.45 :
<<< set_axis_is_at_home(Z)
  current_position= X120.00 Y170.00 Z1.45 : sync_plan_position
  current_position= X120.00 Y170.00 Z1.45 : > AFTER set_axis_is_at_home
  current_position= X120.00 Y170.00 Z1.45 : Probe::set_deployed
deploy: 0
>>> do_blocking_move_to X120.00 Y170.00 Z1.45
<<< do_blocking_move_to
<<< homeaxis(Z)
<<< home_z_safely
  current_position= X120.00 Y170.00 Z1.45 : sync_plan_position
echo:Active Extruder: 0
<<< G28
echo:M105
echo:M105
>>> g29
SENDING:G29
echo:G29
  current_position= X120.00 Y170.00 Z1.45 : >>> G29
Machine Type: Cartesian
Probe: FIX_MOUNTED_PROBE
Probe Offset X30.00 Y-20.00 Z-1.45 (Right-Front & Below Nozzle)
Auto Bed Leveling: BILINEAR (disabled)
  current_position= X120.00 Y170.00 Z1.45 : Probe::set_deployed
deploy: 1
Probe::move_z(10.00)
>>> do_blocking_move_to X120.00 Y170.00 Z11.45
<<< do_blocking_move_to
echo:busy: processing
>>> do_blocking_move_to X120.00 Y170.00 Z11.45
<<< do_blocking_move_to
>>> Probe::probe_at_point(290.00, 10.00, raise, 0, probe_relative)
  current_position= X120.00 Y170.00 Z11.45 :
>>> do_blocking_move_to X260.00 Y30.00 Z11.45
<<< do_blocking_move_to
echo:busy: processing
  current_position= X260.00 Y30.00 Z11.45 : Probe::set_deployed
deploy: 1
  current_position= X260.00 Y30.00 Z11.45 : >>> Probe::run_z_probe
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current_position= X260.00 Y30.00 Z11.45 : >>> Probe::probe_down_to_z
>>> do_blocking_move_to X260.00 Y30.00 Z-8.55
<<< do_blocking_move_to
echo:busy: processing
echo:busy: processing
current_position= X260.00 Y30.00 Z1.61 : sync_plan_position
current_position= X260.00 Y30.00 Z1.61 : <<< Probe::probe_down_to_z
current_position= X260.00 Y30.00 Z1.61 : <<< run_z_probe
>>> do_blocking_move_to X260.00 Y30.00 Z6.61
<<< do_blocking_move_to
echo:busy: processing
<<< Probe::probe_at_point
>>> Probe::probe_at_point(203.33, 10.00, raise, 0, probe_relative)
current_position= X260.00 Y30.00 Z6.61 :
>>> do_blocking_move_to X173.33 Y30.00 Z6.61
<<< do_blocking_move_to
current_position= X173.33 Y30.00 Z6.61 : Probe::set_deployed
deploy: 1
current_position= X173.33 Y30.00 Z6.61 : >>> Probe::run_z_probe
current_position= X173.33 Y30.00 Z6.61 : >>> Probe::probe_down_to_z
>>> do_blocking_move_to X173.33 Y30.00 Z-8.55
<<< do_blocking_move_to
echo:busy: processing
echo:busy: processing
current_position= X173.33 Y30.00 Z1.67 : sync_plan_position
current_position= X173.33 Y30.00 Z1.67 : <<< Probe::probe_down_to_z
current_position= X173.33 Y30.00 Z1.67 : <<< run_z_probe
>>> do_blocking_move_to X173.33 Y30.00 Z6.67
<<< do_blocking_move_to
<<< Probe::probe_at_point
>>> Probe::probe_at_point(116.67, 10.00, raise, 0, probe_relative)
current_position= X173.33 Y30.00 Z6.67 :
>>> do_blocking_move_to X86.67 Y30.00 Z6.67
<<< do_blocking_move_to
echo:busy: processing
current_position= X86.67 Y30.00 Z6.67 : Probe::set_deployed
deploy: 1
current_position= X86.67 Y30.00 Z6.67 : >>> Probe::run_z_probe
current_position= X86.67 Y30.00 Z6.67 : >>> Probe::probe_down_to_z
>>> do_blocking_move_to X86.67 Y30.00 Z-8.55
<<< do_blocking_move_to
echo:busy: processing
current_position= X86.67 Y30.00 Z1.53 : sync_plan_position
current_position= X86.67 Y30.00 Z1.53 : <<< Probe::probe_down_to_z
current_position= X86.67 Y30.00 Z1.53 : <<< run_z_probe
>>> do_blocking_move_to X86.67 Y30.00 Z6.53
<<< do_blocking_move_to
```

```
echo:busy: processing
<<< Probe::probe_at_point
>>> Probe::probe_at_point(30.00, 10.00, raise, 0, probe_relative)
  current_position= X86.67 Y30.00 Z6.53 :
>>> do_blocking_move_to X0.00 Y30.00 Z6.53
<<< do_blocking_move_to
  current_position= X0.00 Y30.00 Z6.53 : Probe::set_deployed
deploy: 1
  current_position= X0.00 Y30.00 Z6.53 : >>> Probe::run_z_probe
  current_position= X0.00 Y30.00 Z6.53 : >>> Probe::probe_down_to_z
>>> do_blocking_move_to X0.00 Y30.00 Z-8.55
<<< do_blocking_move_to
echo:busy: processing
  current_position= X0.00 Y30.00 Z1.80 : sync_plan_position
  current_position= X0.00 Y30.00 Z1.80 : <<< Probe::probe_down_to_z
  current_position= X0.00 Y30.00 Z1.80 : <<< run_z_probe
>>> do_blocking_move_to X0.00 Y30.00 Z6.80
<<< do_blocking_move_to
echo:busy: processing
<<< Probe::probe_at_point
>>> Probe::probe_at_point(30.00, 100.00, raise, 0, probe_relative)
  current_position= X0.00 Y30.00 Z6.80 :
>>> do_blocking_move_to X0.00 Y120.00 Z6.80
<<< do_blocking_move_to
echo:busy: processing
  current_position= X0.00 Y120.00 Z6.80 : Probe::set_deployed
deploy: 1
  current_position= X0.00 Y120.00 Z6.80 : >>> Probe::run_z_probe
  current_position= X0.00 Y120.00 Z6.80 : >>> Probe::probe_down_to_z
>>> do_blocking_move_to X0.00 Y120.00 Z-8.55
<<< do_blocking_move_to
echo:busy: processing
  current_position= X0.00 Y120.00 Z1.47 : sync_plan_position
  current_position= X0.00 Y120.00 Z1.47 : <<< Probe::probe_down_to_z
  current_position= X0.00 Y120.00 Z1.47 : <<< run_z_probe
>>> do_blocking_move_to X0.00 Y120.00 Z6.47
<<< do_blocking_move_to
echo:busy: processing
<<< Probe::probe_at_point
>>> Probe::probe_at_point(116.67, 100.00, raise, 0, probe_relative)
  current_position= X0.00 Y120.00 Z6.47 :
>>> do_blocking_move_to X86.67 Y120.00 Z6.47
<<< do_blocking_move_to
  current_position= X86.67 Y120.00 Z6.47 : Probe::set_deployed
deploy: 1
  current_position= X86.67 Y120.00 Z6.47 : >>> Probe::run_z_probe
  current_position= X86.67 Y120.00 Z6.47 : >>> Probe::probe_down_to_z
```

```
>>> do_blocking_move_to X86.67 Y120.00 Z-8.55
<<< do_blocking_move_to
echo:busy: processing
  current_position= X86.67 Y120.00 Z1.37 : sync_plan_position
  current_position= X86.67 Y120.00 Z1.37 : <<< Probe::probe_down_to_z
  current_position= X86.67 Y120.00 Z1.37 : <<< run_z_probe
>>> do_blocking_move_to X86.67 Y120.00 Z6.37
<<< do_blocking_move_to
echo:busy: processing
<<< Probe::probe_at_point
>>> Probe::probe_at_point(203.33, 100.00, raise, 0, probe_relative)
  current_position= X86.67 Y120.00 Z6.37 :
>>> do_blocking_move_to X173.33 Y120.00 Z6.37
<<< do_blocking_move_to
  current_position= X173.33 Y120.00 Z6.37 : Probe::set_deployed
deploy: 1
  current_position= X173.33 Y120.00 Z6.37 : >>> Probe::run_z_probe
  current_position= X173.33 Y120.00 Z6.37 : >>> Probe::probe_down_to_z
>>> do_blocking_move_to X173.33 Y120.00 Z-8.55
<<< do_blocking_move_to
echo:busy: processing
echo:busy: processing
  current_position= X173.33 Y120.00 Z1.50 : sync_plan_position
  current_position= X173.33 Y120.00 Z1.50 : <<< Probe::probe_down_to_z
  current_position= X173.33 Y120.00 Z1.50 : <<< run_z_probe
>>> do_blocking_move_to X173.33 Y120.00 Z6.50
<<< do_blocking_move_to
<<< Probe::probe_at_point
>>> Probe::probe_at_point(290.00, 100.00, raise, 0, probe_relative)
  current_position= X173.33 Y120.00 Z6.50 :
>>> do_blocking_move_to X260.00 Y120.00 Z6.50
<<< do_blocking_move_to
echo:busy: processing
  current_position= X260.00 Y120.00 Z6.50 : Probe::set_deployed
deploy: 1
  current_position= X260.00 Y120.00 Z6.50 : >>> Probe::run_z_probe
  current_position= X260.00 Y120.00 Z6.50 : >>> Probe::probe_down_to_z
>>> do_blocking_move_to X260.00 Y120.00 Z-8.55
<<< do_blocking_move_to
echo:busy: processing
  current_position= X260.00 Y120.00 Z1.56 : sync_plan_position
  current_position= X260.00 Y120.00 Z1.56 : <<< Probe::probe_down_to_z
  current_position= X260.00 Y120.00 Z1.56 : <<< run_z_probe
>>> do_blocking_move_to X260.00 Y120.00 Z6.56
<<< do_blocking_move_to
echo:busy: processing
<<< Probe::probe_at_point
```

```
>>> Probe::probe_at_point(290.00, 190.00, raise, 0, probe_relative)
  current_position= X260.00 Y120.00 Z6.56 :
>>> do_blocking_move_to X260.00 Y210.00 Z6.56
<<< do_blocking_move_to
  current_position= X260.00 Y210.00 Z6.56 : Probe::set_deployed
deploy: 1
  current_position= X260.00 Y210.00 Z6.56 : >>> Probe::run_z_probe
  current_position= X260.00 Y210.00 Z6.56 : >>> Probe::probe_down_to_z
>>> do_blocking_move_to X260.00 Y210.00 Z-8.55
<<< do_blocking_move_to
echo:busy: processing
echo:busy: processing
  current_position= X260.00 Y210.00 Z1.62 : sync_plan_position
  current_position= X260.00 Y210.00 Z1.62 : <<< Probe::probe_down_to_z
  current_position= X260.00 Y210.00 Z1.62 : <<< run_z_probe
>>> do_blocking_move_to X260.00 Y210.00 Z6.62
<<< do_blocking_move_to
<<< Probe::probe_at_point
>>> Probe::probe_at_point(203.33, 190.00, raise, 0, probe_relative)
  current_position= X260.00 Y210.00 Z6.62 :
>>> do_blocking_move_to X173.33 Y210.00 Z6.62
<<< do_blocking_move_to
echo:busy: processing
  current_position= X173.33 Y210.00 Z6.62 : Probe::set_deployed
deploy: 1
  current_position= X173.33 Y210.00 Z6.62 : >>> Probe::run_z_probe
  current_position= X173.33 Y210.00 Z6.62 : >>> Probe::probe_down_to_z
>>> do_blocking_move_to X173.33 Y210.00 Z-8.55
<<< do_blocking_move_to
echo:busy: processing
  current_position= X173.33 Y210.00 Z1.56 : sync_plan_position
  current_position= X173.33 Y210.00 Z1.56 : <<< Probe::probe_down_to_z
  current_position= X173.33 Y210.00 Z1.56 : <<< run_z_probe
>>> do_blocking_move_to X173.33 Y210.00 Z6.57
<<< do_blocking_move_to
echo:busy: processing
<<< Probe::probe_at_point
>>> Probe::probe_at_point(116.67, 190.00, raise, 0, probe_relative)
  current_position= X173.33 Y210.00 Z6.57 :
>>> do_blocking_move_to X86.67 Y210.00 Z6.57
<<< do_blocking_move_to
  current_position= X86.67 Y210.00 Z6.57 : Probe::set_deployed
deploy: 1
  current_position= X86.67 Y210.00 Z6.57 : >>> Probe::run_z_probe
  current_position= X86.67 Y210.00 Z6.57 : >>> Probe::probe_down_to_z
>>> do_blocking_move_to X86.67 Y210.00 Z-8.55
<<< do_blocking_move_to
```

```
echo:busy: processing
  current_position= X86.67 Y210.00 Z1.28 : sync_plan_position
  current_position= X86.67 Y210.00 Z1.28 : <<< Probe::probe_down_to_z
  current_position= X86.67 Y210.00 Z1.28 : <<< run_z_probe
>>> do_blocking_move_to X86.67 Y210.00 Z6.28
<<< do_blocking_move_to
echo:busy: processing
<<< Probe::probe_at_point
>>> Probe::probe_at_point(30.00, 190.00, raise, 0, probe_relative)
  current_position= X86.67 Y210.00 Z6.28 :
>>> do_blocking_move_to X0.00 Y210.00 Z6.28
<<< do_blocking_move_to
echo:busy: processing
  current_position= X0.00 Y210.00 Z6.28 : Probe::set_deployed
deploy: 1
  current_position= X0.00 Y210.00 Z6.28 : >>> Probe::run_z_probe
  current_position= X0.00 Y210.00 Z6.28 : >>> Probe::probe_down_to_z
>>> do_blocking_move_to X0.00 Y210.00 Z-8.55
<<< do_blocking_move_to
echo:busy: processing
  current_position= X0.00 Y210.00 Z1.33 : sync_plan_position
  current_position= X0.00 Y210.00 Z1.33 : <<< Probe::probe_down_to_z
  current_position= X0.00 Y210.00 Z1.33 : <<< run_z_probe
>>> do_blocking_move_to X0.00 Y210.00 Z6.33
<<< do_blocking_move_to
echo:busy: processing
<<< Probe::probe_at_point
>>> Probe::probe_at_point(30.00, 280.00, raise, 0, probe_relative)
  current_position= X0.00 Y210.00 Z6.33 :
>>> do_blocking_move_to X0.00 Y300.00 Z6.33
<<< do_blocking_move_to
  current_position= X0.00 Y300.00 Z6.33 : Probe::set_deployed
deploy: 1
  current_position= X0.00 Y300.00 Z6.33 : >>> Probe::run_z_probe
  current_position= X0.00 Y300.00 Z6.33 : >>> Probe::probe_down_to_z
>>> do_blocking_move_to X0.00 Y300.00 Z-8.55
<<< do_blocking_move_to
echo:busy: processing
  current_position= X0.00 Y300.00 Z1.85 : sync_plan_position
  current_position= X0.00 Y300.00 Z1.85 : <<< Probe::probe_down_to_z
  current_position= X0.00 Y300.00 Z1.85 : <<< run_z_probe
>>> do_blocking_move_to X0.00 Y300.00 Z6.85
<<< do_blocking_move_to
echo:busy: processing
<<< Probe::probe_at_point
>>> Probe::probe_at_point(116.67, 280.00, raise, 0, probe_relative)
  current_position= X0.00 Y300.00 Z6.85 :
```



```
>>> do_blocking_move_to X86.67 Y300.00 Z6.85
<<< do_blocking_move_to
  current_position= X86.67 Y300.00 Z6.85 : Probe::set_deployed
deploy: 1
  current_position= X86.67 Y300.00 Z6.85 : >>> Probe::run_z_probe
  current_position= X86.67 Y300.00 Z6.85 : >>> Probe::probe_down_to_z
>>> do_blocking_move_to X86.67 Y300.00 Z-8.55
<<< do_blocking_move_to
echo:busy: processing
echo:busy: processing
  current_position= X86.67 Y300.00 Z1.48 : sync_plan_position
  current_position= X86.67 Y300.00 Z1.48 : <<< Probe::probe_down_to_z
  current_position= X86.67 Y300.00 Z1.48 : <<< run_z_probe
>>> do_blocking_move_to X86.67 Y300.00 Z6.48
<<< do_blocking_move_to
<<< Probe::probe_at_point
>>> Probe::probe_at_point(203.33, 280.00, raise, 0, probe_relative)
  current_position= X86.67 Y300.00 Z6.48 :
>>> do_blocking_move_to X173.33 Y300.00 Z6.48
<<< do_blocking_move_to
echo:busy: processing
  current_position= X173.33 Y300.00 Z6.48 : Probe::set_deployed
deploy: 1
  current_position= X173.33 Y300.00 Z6.48 : >>> Probe::run_z_probe
  current_position= X173.33 Y300.00 Z6.48 : >>> Probe::probe_down_to_z
>>> do_blocking_move_to X173.33 Y300.00 Z-8.55
<<< do_blocking_move_to
echo:busy: processing
  current_position= X173.33 Y300.00 Z1.70 : sync_plan_position
  current_position= X173.33 Y300.00 Z1.70 : <<< Probe::probe_down_to_z
  current_position= X173.33 Y300.00 Z1.70 : <<< run_z_probe
>>> do_blocking_move_to X173.33 Y300.00 Z6.70
<<< do_blocking_move_to
echo:busy: processing
<<< Probe::probe_at_point
>>> Probe::probe_at_point(290.00, 280.00, raise, 0, probe_relative)
  current_position= X173.33 Y300.00 Z6.70 :
>>> do_blocking_move_to X260.00 Y300.00 Z6.70
<<< do_blocking_move_to
  current_position= X260.00 Y300.00 Z6.70 : Probe::set_deployed
deploy: 1
  current_position= X260.00 Y300.00 Z6.70 : >>> Probe::run_z_probe
  current_position= X260.00 Y300.00 Z6.70 : >>> Probe::probe_down_to_z
>>> do_blocking_move_to X260.00 Y300.00 Z-8.55
<<< do_blocking_move_to
echo:busy: processing
  current_position= X260.00 Y300.00 Z1.82 : sync_plan_position
```

```
current_position= X260.00 Y300.00 Z1.82 : <<< Probe::probe_down_to_z
current_position= X260.00 Y300.00 Z1.82 : <<< run_z_probe
>>> do_blocking_move_to X260.00 Y300.00 Z6.82
<<< do_blocking_move_to
echo:busy: processing
<<< Probe::probe_at_point
current_position= X260.00 Y300.00 Z6.82 : Probe::set_deployed
deploy: 0
>>> do_blocking_move_to X260.00 Y300.00 Z6.82
<<< do_blocking_move_to
current_position= X260.00 Y300.00 Z6.82 : > probing complete
Bilinear Leveling Grid:
  0   1   2   3
0 +0.355 +0.080 +0.222 +0.162
1 +0.022 -0.080 +0.047 +0.112
2 -0.120 -0.173 +0.115 +0.167
3 +0.397 +0.030 +0.247 +0.370
G29 uncorrected Z:6.82
corrected Z:6.49
current_position= X260.00 Y300.00 Z6.49 : sync_plan_position
<<< G29
```