Programming: Report To Host Commands

Ra ... Rzzz   Report variable value a ... zzz, 78 in all
Rab[i]   Report 8 bit variable value Rab[i]
Raw[i]   Report 16 bit variable value Raw[i]
Ral[i]   Report 32 bit variable value Ral[i]
RA   Report buffered acceleration
RAIN(port){ch}   Report 8 bit analog input where port=A-H, ch=1-4
RAMPS   Report assigned max. current
RBa   Report overcurrent status bit
Rbb   Report parity error status bit
RBC   Report communications error bit
RBd   Report user math overflow status bit
RBg   Report position error status bit
RBf   Report comm framing error status bit
RBk   Report EEPROM read/write status bit
RBI   Report historical left limit status bit
RBI   Report index status bit
RBH   Report overheat status bit
RBm   Report negative limit status bit
RBp   Report motor off status bit
RBp   Report positive limit status bit
RBR   Report historical right limit status bit
RBS   Report program scan status bit
RBT   Report trajectory status bit
RBu   Report user array index status bit
RBw   Report wrap around status bit
RBx   Report hardware index input level
RCHN   Report combined comm status bits
RCHN0   Report RS232 comm status bits
RCHN1   Report RS485 comm status bits
RCLK   Report clock value
RCTR   Report secondary counter
RCS   Report RS232 comm check sum
RCS1   Report RS485 comm check sum
RD   Report buffered move distance value
RDIN(port){ch}   Report 8 bit digital input byte, where port=A-H, and ch=0-63
RE   Report buffered max. pos. error
RI   Report last stored index position
RKA   Report buffered Kaff coefficient
RKD   Report buffered Kd coefficient
RKG   Report buffered Kg coefficient
RKi   Report buffered Ki coefficient
RKL   Report buffered Kp limit value
RKP   Report buffered Kp coefficient
RKS   Report buffered Ks coefficient
RKV   Report buffered Kvff coefficient
RP   Report measured position
RPE   Report present position error
RMODE   Report present positioning mode. The possible responses are
Absolute position move
Relative position move
Velocity move
Torque mode
Follow mode
Step & Direction mode
Cam Table mode
Drive mode
Follow mode with multiplier
Position error
Motor off

RS  Report status byte (8 system states)
RSP Report sample period & version #
RT  Report current requested torque
RV  Report velocity
RW  Report status word (16 system states)