Strings in Blue are the commands

**const** **char** \_StrSetAdjusmentTempChannel[] = "#ADJCHAN"; Channel 1 is Oscillator,

Channel 2 is Amplifier,

Channel 3 is Cavity(default)  
Connects the chosen channel to the single channel summary page so that PID parameters and temperature limits can be adjusted through the GUI

**const** **char** \_StrGetMasterCtrlMode[] = "MSTRCTL?"; //16

**const** **char** \_StrSetMasterCtrlMode[] = "MSTRCTL"; //17

**const** **char** \_StrGetCavityCtrlMode[] = "CATCTRL?"; //18

**const** **char** \_StrGetOSCTempCtrlMode[] = "OSTCTRL?"; //19

**const** **char** \_StrGetAMPTempCtrlMode[] = "AMTCTRL?"; //20

**const** **char** \_StrSetCavityCtrlMode[] = "CATCTRL"; //21

**const** **char** \_StrSetOSCTempCtrlMode[] = "OSTCTRL"; //22

**const** **char** \_StrSetAMPTempCtrlMode[] = "AMTCTRL"; //23

**const** **char** \_StrGetOSCCurrentCtrlMode[] = "OSCCTRL?"; //24

**const** **char** \_StrGetAMPCurrentCtrlMode[] = "AMCCTRL?"; //25

**const** **char** \_StrSetOSCCurrentCtrlMode[] = "OSCCTRL"; //26

**const** **char** \_StrSetAMPCurrentCtrlMode[] = "AMCCTRL"; //27

**const** **char** \_StrGetCavityTempSetpoint[] = "CATSETP?"; //28

**const** **char** \_StrGetOSCTempSetpoint[] = "OSTSETP?"; //29

**const** **char** \_StrGetAMPTempSetpoint[] = "AMTSETP?"; //30

**const** **char** \_StrSetCavityTempSetpoint[] = "CATSETP"; //31

**const** **char** \_StrSetOSCTempSetpoint[] = "OSTSETP"; //32

**const** **char** \_StrSetAMPTempSetpoint[] = "AMTSETP"; //33

**const** **char** \_StrGetOSCCurrentSetpoint[] = "OSISETP?"; //34

**const** **char** \_StrGetAMPCurrentSetpoint[] = "AMISETP?"; //35

**const** **char** \_StrSetOSCCurrentSetpoint[] = "OSISETP"; //36

**const** **char** \_StrSetAMPCurrentSetpoint[] = "AMISETP"; //37

**const** **char** \_StrGetInterlockStatus[] = "INTERLK?"; //38

**const** **char** \_StrReadCavityTemp[] = "CAVTEMP?"; //39

**const** **char** \_StrReadOSCTemp[] = "OSCTEMP?"; //40

**const** **char** \_StrReadAMPTemp[] = "AMPTEMP?"; //41

**const** **char** \_StrReadCavityTempError[] = "CAVTERR?"; //42

**const** **char** \_StrReadOSCTempError[] = "OSCTERR?"; //43

**const** **char** \_StrReadAMPTempError[] = "AMPTERR?"; //44

**const** **char** \_StrReadOSCCurrent[] = "OSCCURR?"; //45

**const** **char** \_StrReadAMPCurrent[] = "AMPCURR?"; //46

**const** **char** \_StrGetCavityBeta[] = "CAVBETA?"; //47

**const** **char** \_StrGetOSCBeta[] = "OSCBETA?"; //48

**const** **char** \_StrGetAMPBeta[] = "AMPBETA?"; //49

**const** **char** \_StrSetCavityBeta[] = "CAVBETA"; //50

**const** **char** \_StrSetOSCBeta[] = "OSCBETA"; //51

**const** **char** \_StrSetAMPBeta[] = "AMPBETA"; //52

**const** **char** \_StrGetCavityRefTemp[] = "CAVREFT?"; //53

**const** **char** \_StrGetOSCRefTemp[] = "OSCREFT?"; //54

**const** **char** \_StrGetAMPRefTemp[] = "AMPREFT?"; //55

**const** **char** \_StrSetCavityRefTemp[] = "CAVREFT"; //56

**const** **char** \_StrSetOSCRefTemp[] = "OSCREFT"; //57

**const** **char** \_StrSetAMPRefTemp[] = "AMPREFT"; //58

**const** **char** \_StrGetCavityRefResistance[] = "CAVREFR?"; //59

**const** **char** \_StrGetOSCRefResistance[] = "OSCREFR?"; //60

**const** **char** \_StrGetAMPRefResistance[] = "AMPREFR?"; //61

**const** **char** \_StrSetCavityRefResistance[] = "CAVREFR"; //62

**const** **char** \_StrSetOSCRefResistance[] = "OSCREFR"; //63

**const** **char** \_StrSetAMPRefResistance[] = "AMPREFR"; //64

**const** **char** \_StrGetCavityCoeffA[] = "CAVCOFA?"; //65

**const** **char** \_StrGetOSCCoeffA[] = "OSCCOFA?"; //66

**const** **char** \_StrGetAMPCoeffA[] = "AMPCOFA?"; //67

**const** **char** \_StrSetCavityCoeffA[] = "CAVCOFA"; //68

**const** **char** \_StrSetOSCCoeffA[] = "OSCCOFA"; //69

**const** **char** \_StrSetAMPCoeffA[] = "AMPCOFA"; //70

**const** **char** \_StrGetCavityCoeffB[] = "CAVCOFB?"; //71

**const** **char** \_StrGetOSCCoeffB[] = "OSCCOFB?"; //72

**const** **char** \_StrGetAMPCoeffB[] = "AMPCOFB?"; //73

**const** **char** \_StrSetCavityCoeffB[] = "CAVCOFB"; //74

**const** **char** \_StrSetOSCCoeffB[] = "OSCCOFB"; //75

**const** **char** \_StrSetAMPCoeffB[] = "AMPCOFB"; //76

**const** **char** \_StrGetCavityCoeffC[] = "CAVCOFC?"; //77

**const** **char** \_StrGetOSCCoeffC[] = "OSCCOFC?"; //78

**const** **char** \_StrGetAMPCoeffC[] = "AMPCOFC?"; //79

**const** **char** \_StrSetCavityCoeffC[] = "CAVCOFC"; //80

**const** **char** \_StrSetOSCCoeffC[] = "OSCCOFC"; //81

**const** **char** \_StrSetAMPCoeffC[] = "AMPCOFC"; //82

**const** **char** \_StrGetCavityProportionalGain[] = "CAVPROP?";//83

**const** **char** \_StrGetOSCProportionalGain[] = "OSCPROP?"; //84

**const** **char** \_StrGetAMPProportionalGain[] = "AMPPROP?"; //85

**const** **char** \_StrSetCavityProportionalGain[] = "CAVPROP"; //86

**const** **char** \_StrSetOSCProportionalGain[] = "OSCPROP"; //87

**const** **char** \_StrSetAMPProportionalGain[] = "AMPPROP"; //88

**const** **char** \_StrGetCavityIntegralTimeConst[] = "CAVINT?";//89

**const** **char** \_StrGetOSCIntegralTimeConst[] = "OSCINT?"; //90

**const** **char** \_StrGetAMPIntegralTimeConst[] = "AMPINT?"; //91

**const** **char** \_StrSetCavityIntegralTimeConst[] = "CAVINT"; //92

**const** **char** \_StrSetOSCIntegralTimeConst[] = "OSCINT"; //93

**const** **char** \_StrSetAMPIntegralTimeConst[] = "AMPINT"; //94

**const** **char** \_StrGetCavityDevirvativeTimeConst[] = "CAVDERV?";//95

**const** **char** \_StrGetOSCDevirvativeTimeConst[] = "OSCDERV?";//96

**const** **char** \_StrGetAMPDevirvativeTimeConst[] = "AMPDERV?";//97

**const** **char** \_StrSetCavityDevirvativeTimeConst[] = "CAVDERV";//98

**const** **char** \_StrSetOSCDevirvativeTimeConst[] = "OSCDERV";//99

**const** **char** \_StrSetAMPDevirvativeTimeConst[] = "AMPDERV";//100

**const** **char** \_StrGetCavityProportionalGainEnabled[] = "CAPROEN?";//83

**const** **char** \_StrGetOSCProportionalGainEnabled[] = "OSPROEN?"; //84

**const** **char** \_StrGetAMPProportionalGainEnabled[] = "AMPROEN?"; //85

**const** **char** \_StrSetCavityProportionalGainEnabled[] = "CAPROEN"; //86

**const** **char** \_StrSetOSCProportionalGainEnabled[] = "OSPROEN"; //87

**const** **char** \_StrSetAMPProportionalGainEnabled[] = "AMPROEN"; //88

**const** **char** \_StrGetCavityIntegralTimeConstEnabled[] = "CAINTEN?";//89

**const** **char** \_StrGetOSCIntegralTimeConstEnabled[] = "OSINTEN?"; //90

**const** **char** \_StrGetAMPIntegralTimeConstEnabled[] = "AMINTEN?"; //91

**const** **char** \_StrSetCavityIntegralTimeConstEnabled[] = "CAINTEN"; //92

**const** **char** \_StrSetOSCIntegralTimeConstEnabled[] = "OSINTEN"; //93

**const** **char** \_StrSetAMPIntegralTimeConstEnabled[] = "AMINTEN"; //94

**const** **char** \_StrGetCavityDevirvativeTimeConstEnabled[] = "CADEREN?";//95

**const** **char** \_StrGetOSCDevirvativeTimeConstEnabled[] = "OSDEREN?";//96

**const** **char** \_StrGetAMPDevirvativeTimeConstEnabled[] = "AMDEREN?";//97

**const** **char** \_StrSetCavityDevirvativeTimeConstEnabled[] = "CADEREN";//98

**const** **char** \_StrSetOSCDevirvativeTimeConstEnabled[] = "OSDEREN";//99

**const** **char** \_StrSetAMPDevirvativeTimeConstEnabled[] = "AMDEREN";//100

**const** **char** \_StrGetCavitySlew[] = "CAVSLEW?"; //101

**const** **char** \_StrGetOSCSlew[] = "OSCSLEW?"; //102

**const** **char** \_StrGetAMPSlew[] = "AMPSLEW?"; //103

**const** **char** \_StrSetCavitySlew[] = "CAVSLEW"; //104

**const** **char** \_StrSetOSCSlew[] = "OSCSLEW"; //105

**const** **char** \_StrSetAMPSlew[] = "AMPSLEW"; //106

**const** **char** \_StrGetCavitySlewEnabled[] = "CASLWEN?"; //101

**const** **char** \_StrGetOSCSlewEnabled[] = "OSSLWEN?"; //102

**const** **char** \_StrGetAMPSlewEnabled[] = "AMSLWEN?"; //103

**const** **char** \_StrSetCavitySlewEnabled[] = "CASLWEN"; //104

**const** **char** \_StrSetOSCSlewEnabled[] = "OSSLWEN"; //105

**const** **char** \_StrSetAMPSlewEnabled[] = "AMSLWEN"; //106

**const** **char** \_StrGetCavityTempCurrentLim[] = "CATILIM?"; //107

**const** **char** \_StrGetOSCTempCurrentLim[] = "OSTILIM?"; //108

**const** **char** \_StrGetAMPTempCurrentLim[] = "AMTILIM?"; //109

**const** **char** \_StrSetCavityTempCurrentLim[] = "CATILIM"; //110

**const** **char** \_StrSetOSCTempCurrentLim[] = "OSTILIM"; //111

**const** **char** \_StrSetAMPTempCurrentLim[] = "AMTILIM"; //112

**const** **char** \_StrGetCavityTempPowerLim[] = "CATPLIM?"; //113

**const** **char** \_StrGetOSCTempPowerLim[] = "OSTPLIM?"; //114

**const** **char** \_StrGetAMPTempPowerLim[] = "AMTPLIM?"; //115

**const** **char** \_StrSetCavityTempPowerLim[] = "CATPLIM"; //116

**const** **char** \_StrSetOSCTempPowerLim[] = "OSTPLIM"; //117

**const** **char** \_StrSetAMPTempPowerLim[] = "AMTPLIM"; //118

**const** **char** \_StrGetCavityTempErrorWarningDelta[] = "CATWARN?";//119

**const** **char** \_StrGetOSCTempErrorWarningDelta[] = "OSTWARN?";//120

**const** **char** \_StrGetAMPTempErrorWarningDelta[] = "AMTWARN?";//121

**const** **char** \_StrSetCavityTempErrorWarningDelta[] = "CATWARN";//122

**const** **char** \_StrSetOSCTempErrorWarningDelta[] = "OSTWARN";//123

**const** **char** \_StrSetAMPTempErrorWarningDelta[] = "AMTWARN";//124

**const** **char** \_StrGetCavityTempMax[] = "CATMAX?"; //125

**const** **char** \_StrGetOSCTempMax[] = "OSTMAX?"; //126

**const** **char** \_StrGetAMPTempMax[] = "AMTMAX?"; //127

**const** **char** \_StrSetCavityTempMax[] = "CATMAX"; //128

**const** **char** \_StrSetOSCTempMax[] = "OSTMAX"; //129

**const** **char** \_StrSetAMPTempMax[] = "AMTMAX"; //130

**const** **char** \_StrGetCavityTempMin[] = "CATMIN?"; //131

**const** **char** \_StrGetOSCTempMin[] = "OSTMIN?"; //132

**const** **char** \_StrGetAMPTempMin[] = "AMTMIN?"; //133

**const** **char** \_StrSetCavityTempMin[] = "CATMIN"; //134

**const** **char** \_StrSetOSCTempMin[] = "OSTMIN"; //135

**const** **char** \_StrSetAMPTempMin[] = "AMTMIN"; //136

**const** **char** \_StrGetCavityShutdownTime[] = "CASDTIM?"; //137

**const** **char** \_StrGetOSCShutdownTime[] = "OSSDTIM?"; //138

**const** **char** \_StrGetAMPShutdownTime[] = "AMSDTIM?"; //139

**const** **char** \_StrSetCavityShutdownTime[] = "CASDTIM"; //140

**const** **char** \_StrSetOSCShutdownTime[] = "OSSDTIM"; //141

**const** **char** \_StrSetAMPShutdownTime[] = "AMSDTIM"; //142

**const** **char** \_StrGetOSCCurrCurrentLimit[] = "OSCILIM?"; //143

**const** **char** \_StrGetAMPCurrCurrentLimit[] = "AMCILIM?"; //144

**const** **char** \_StrSetOSCCurrCurrentLimit[] = "OSCILIM"; //145

**const** **char** \_StrSetAMPCurrCurrentLimit[] = "AMCILIM"; //146

**const** **char** \_StrGetOSCCurrPowerLimit[] = "OSCPLIM?"; //147

**const** **char** \_StrGetAMPCurrPowerLimit[] = "AMCPLIM?"; //148

**const** **char** \_StrSetOSCCurrPowerLimit[] = "OSCPLIM"; //149

**const** **char** \_StrSetAMPCurrPowerLimit[] = "AMCPLIM"; //150

//Pass Through API for using QT board to determine modelock from analog input A signal

**const** **char** \_StrGetModeLockDCThreshold[] = "MLDCTHR?";

**const** **char** \_StrSetModeLockDCThreshold[] = "MLDCTHR";

**const** **char** \_StrGetModeLockRMSThreshold[] = "MLRMTHR?";

**const** **char** \_StrSetModeLockRMSThreshold[] = "MLRMTHR";

**const** **char** \_StrGetModeLockSampleLimit[] = "MLSMPLM?";

**const** **char** \_StrSetModeLockSampleLimit[] = "MLSMPLM";

**const** **char** \_StrGetModeLocked[] = "MODELOK?";

**const** **char** \_StrSetModeLockDispStats[] = "#MLSTATS"; 1 enables, 0 disables