LCLS-II Cryomodule P&ID Legend

TX Cernox high temperature shield  
HTS

STX spare Cernox high temperature shield  
HTS

LT Helium liquid level Upstream  
US

PT Helium Pressure Upstream  
US

LT Helium Liquid level Downstream  
DS

PT Helium Pressure Downstream  
DS

HT Heater helium bath  
BTH

SHT Spare heater helium bath  
BTH

TX Cernox on Beam Position Monitor  
BPM

BPM Beam Position Monitor signal

3GP Three geophones

TX Cernox on Line A in the center  
AC

TX Cernox on Line B at the top  
BT

TX Cernox on Line B at the bottom  
BB

TX Cernox on Line F in the center  
FC

TX Cernox on line E in the center  
EC

TX Cernox on line D in the center  
DC

TX Cernox on line C in the center  
CC

HCL Horizontal current leads

VCL Vertical current leads

QCL Quadrupole current leads

TX Cernox on the magnet (quantity undecided)  
M

HVT Horizontal voltage taps

MHT Magnet heater

VVT Vertical voltage taps

Each cavity (# is representative of the cavity number)

SM Tuner stepper motor signal  
TU#

TX Cernox on tuner  
TU#

TX Cernox on Upstream HOM  
UH#

TX Cernox on Downstream HOM  
DH#

TX Cernox on tuner stepper motor  
SM#

TX Cernox on Cavity helium vessel  
CV#

FP1 Field Probe 1  
CV#

FP2 Field probe 2  
CV#

FP3 Field probe 3  
CV#

RF RF power in  
CP#

RF RF pickup   
PU#

HOM HOM RF Upstream  
US#

HOM HOM RF Downstream  
DS#

TP Platinum RTD on coupler  
CP#

STP Spare Platinum RTD on coupler  
CP#