

Outside	MXA Keysight BNC cable FET Amplifier right-angle SMA connector
300K	SMA hermetic connector 1
	Stainless Steel SMA cable
70K	SMA through plate connector 1
	Stainless Steel SMA cable Young's HEMT Amplifier BF1 Tee connector between 4K Plate-BF1- line 5
4K	SMA through plate connector 1
	NbTi SMA cable
Still plate	SMA through plate connector 1
	NbTi SMA cable
Cold Plate	SMA through plate connector 1
	NbTi SMA cable
Mixing Chamber	SMA through plate connector 1
	Tee connector between MC Plate - Docking Station - Coil SMA to SMP cooper cable
Docking Station	SMP through plate connector C1

SMA hermetic connector 2	SMA hermetic connector 3
Stainless Steel SMA cable	Stainless Steel SMA cable
SMA through plate connector 2	SMA through plate connector 3
Stainless Steel SMA cable Young's HEMT Amplifier BF un-named Cu SMA cable	Stainless Steel SMA cable 1-12 GHz Caltech Amplifier 552D i male-male connector
SMA through plate connector 2	SMA through plate connector 3
	NbTi SMA cable
SMA through plate connector 2	SMA through plate connector 3
NbTi SMA cable	NbTi SMA cable
SMA through plate connector 2	SMA through plate connector 3
NbTi SMA cable	NbTi SMA cable
SMA through plate connector 2	SMA through plate connector 3
Tee connector between MC Plate - Docking Station - Coil SMA to SMP cooper cable	SMA to SMP cooper cable
SMP through plate connector C2	SMP through plate connector C3

Output lines

14-Bit Oscilloscope NI PXIe-5171R ? Port -3dB of Hybrid Coupler B 2-18 GHz MACCOM ? Port IN of Hybrid Coupler B 2-18 GHz MACCOM ? delay line DC-26.5 GHz ATM ? SMA cable ? 0.3-14 GHz LNF Amplifier s/n 738B ?	MXA Keysight BNC cable FET Amplifier right-angle SMA connector
SMA hermetic connector 4	SMA hermetic connector 5
Stainless Steel SMA cable	Stainless Steel SMA cable
SMA through plate connector 4	SMA through plate connector 5
Stainless Steel SMA cable 0.3-14 GHz LNF Amplifier s/n 705B i male-male connector	Stainless Steel SMA cable Young's HEMT Amplifier BF2 Tee connector between 4K Plate-BF2- line 1
SMA through plate connector 4	SMA through plate connector 5
NbTi SMA cable	Open-termination Cap X
SMA through plate connector 4	SMA through plate connector 5
NbTi SMA cable	X X
SMA through plate connector 4	SMA through plate connector 5
NbTi SMA cable between Cold Plate-Port 2 of 4-8GHz S21 circulator X	X X
NbTi SMA cable between MC Plate-Port 1 of 4-8GHz S21 circulator	NbTi SMA cable between MC Plate-Port 3 of 4-8GHz S21 circulator
SMA through plate connector 4	SMA through plate connector 5
Port -3dB of Hybrid Coupler A 2-18 GHz MACCOM Port IN of Hybrid Coupler A 2-18 GHz MACCOM SMA to SMP cooper cable	50 Ohm load DC-18 GHz cryo X X X
SMP through plate connector C5	

X	
SMA hermetic connector 6	SMA hermetic connector 7
X	Stainless Steel SMA cable
SMA through plate connector 6	SMA through plate connector 7
X	Stainless Steel SMA cable
X	1-12 GHz Caltech Amplifier 919D
X	i male-male connector
SMA through plate connector 6	SMA through plate connector 7
X	NbTi SMA cable
SMA through plate connector 6	SMA through plate connector 7
X	NbTi SMA cable
X	
SMA through plate connector 6	SMA through plate connector 7
X	NbTi SMA cable
X	
NbTi SMA cable between MC Plate-Port 3 of 4-8GHz S21 circulator	
SMA through plate connector 6	SMA through plate connector 7
-20 dB SMK cryogenic attenuator	-1dB attenuator
SMA cable towards going down line	SMA to SMP cooper cable
X	
X	
	SMP through plate connector C7

14-Bit Oscilloscope NI PXIe-5171R ?

Port -3dB of Hybrid Coupler B 2-18 GHz MACCOM ?

Port ISO of Hybrid Coupler B 2-18 GHz MACCOM ?

SMA cable ?

0.3-14 GHz LNF Amplifier s/n 768B ?

SMA hermetic connector 8

Stainless Steel SMA cable

SMA through plate connector 8

Stainless Steel SMA cable

0.3-14 GHz LNF Amplifier s/n 731B

i male-male connector

SMA through plate connector 8

NbTi SMA cable

SMA through plate connector 8

NbTi SMA cable

SMA through plate connector 8

NbTi SMA cable between Still Plate-Port 2 of 4-8GHz S21 circulator

X

NbTi SMA cable between MC Plate-Port 1 of 4-8GHz S21 circulator

SMA through plate connector 8

Port -3dB of Hybrid Coupler A 2-18 GHz MACCOM

Port ISO of Hybrid Coupler A 2-18 GHz MACCOM

50 Ohm load DC-18 GHz cryo

X