

Connector	Rack Loc.	Device/Sensor Name	Device/Sensor Type	Cable	Feed Through Mating Connection(AIR)	Feed Through Connector Pin
CM 1, 1A-03	FL02B27	RTD_HeVessel-1 Top	Cernox CX-1030-SD-HT-1.4L	8 pr 22 ga Alpha 6379S	MS3126F14-19S	A,B,C,D (I+R,I-B,V+G,V-Y)
		RTD_HeVessel-1 Bottom	Cernox CX-1030-SD-HT-1.4L			E,F,G,H (I+R,I-B,V+G,V-Y)
		RTD_HOM_Coupler_Side-1-2 Copper Clamp	DT-670A1-CU			J,K,L,M (I+R,I-B,V+G,V-Y)
		RTD_HOM_Tuner_Side-1-4 Copper Clamp	DT-670A1-CU			N,P,R,S (I+R,I-B,V+G,V-Y)
CM 1, 1B-07	FL02B27	StrpHtr-HeVessel-1	HK5347R46.3L12AU Kapton Polyimide Strip Heater, 46.3 Ω	4 cond 18 ga; Alpha 2424C	MS24266R14B4SN	A(+) jumper to C(+), B(-) jumper to D(-)
CM 1, 2A-03	FL02B27	Spare	N/A	4 pr 22 ga	MS3126F14-19S	A,B,C,D (I+R,I-B,V+G,V-Y)
		Spare	N/A			E,F,G,H (I+R,I-B,V+G,V-Y)
		RTD_HOM_Coupler_Side-2-2 Copper Clamp	DT-670A1-CU			J,K,L,M (I+R,I-B,V+G,V-Y)
		RTD_HOM_Tuner_Side-2-4 Copper Clamp	DT-670A1-CU			N,P,R,S (I+R,I-B,V+G,V-Y)
CM 1, 2B-07	FL02B27	StrpHtr-HeVessel-2	HK5347R46.3L12AU Kapton Polyimide Strip Heater, 46.3 Ω	4 cond 18 ga; Alpha 2424C	MS24266R14B4SN	A(+) jumper to C(+), B(-) jumper to D(-)
CM 1, 3A-03	FL02B27	Spare	N/A	4 pr 22 ga	MS3126F14-19S	A,B,C,D (I+R,I-B,V+G,V-Y)
		Spare	N/A			E,F,G,H (I+R,I-B,V+G,V-Y)
		RTD_HOM_Coupler_Side-3-2 Copper Clamp	DT-670A1-CU			J,K,L,M (I+R,I-B,V+G,V-Y)
		RTD_HOM_Tuner_Side-3-4 Copper Clamp	DT-670A1-CU			N,P,R,S (I+R,I-B,V+G,V-Y)
CM 1, 3B-07	FL02B27	StrpHtr-HeVessel-3	HK5347R46.3L12AU Kapton Polyimide Strip Heater, 46.3 Ω	4 cond 18 ga; Alpha 2424C	MS24266R14B4SN	A(+) jumper to C(+), B(-) jumper to D(-)
CM 1, 4A-03	FL02B27	Spare	N/A	4 pr 22 ga	MS3126F14-19S	A,B,C,D (I+R,I-B,V+G,V-Y)
		Spare	N/A			E,F,G,H (I+R,I-B,V+G,V-Y)
		RTD_HOM_Coupler_Side-4-2 Copper Clamp	DT-670A1-CU			J,K,L,M (I+R,I-B,V+G,V-Y)
		RTD_HOM_Tuner_Side-4-4 Copper Clamp	DT-670A1-CU			N,P,R,S (I+R,I-B,V+G,V-Y)
CM 1, 4B-07	FL02B27	StrpHtr-HeVessel-4	HK5347R46.3L12AU Kapton Polyimide Strip Heater, 46.3 Ω	4 cond 18 ga; Alpha 2424C	MS24266R14B4SN	A(+) jumper to C(+), B(-) jumper to D(-)
CM 1, 5A-03	FL02B27	RTD_HeVessel-5 Top	Cernox CX-1030-SD-HT-1.4L	8 pr 22 ga Alpha 6379S	MS3126F14-19S	A,B,C,D (I+R,I-B,V+G,V-Y)
		RTD_HeVessel-5 Bottom	Cernox CX-1030-SD-HT-1.4L			E,F,G,H (I+R,I-B,V+G,V-Y)
		RTD_HOM_Coupler_Side-5-2 Copper Clamp	DT-670A1-CU			J,K,L,M (I+R,I-B,V+G,V-Y)
		RTD_HOM_Tuner_Side-5-4 Copper Clamp	DT-670A1-CU			N,P,R,S (I+R,I-B,V+G,V-Y)
CM 1, 5B-07	FL02B27	StrpHtr-HeVessel-5	HK5347R46.3L12AU Kapton Polyimide Strip Heater, 46.3 Ω	4 cond 18 ga; Alpha 2424C	MS24266R14B4SN	A(+) jumper to C(+), B(-) jumper to D(-)
CM 1, 6A-03	FL02B27	Spare	N/A	4 pr 22 ga	MS3126F14-19S	A,B,C,D (I+R,I-B,V+G,V-Y)
		Spare	N/A			E,F,G,H (I+R,I-B,V+G,V-Y)
		RTD_HOM_Coupler_Side-6-2 Copper Clamp	DT-670A1-CU			J,K,L,M (I+R,I-B,V+G,V-Y)
		RTD_HOM_Tuner_Side-6-4 Copper Clamp	DT-670A1-CU			N,P,R,S (I+R,I-B,V+G,V-Y)
CM 1, 6B-07	FL02B27	StrpHtr-HeVessel-6	HK5347R46.3L12AU Kapton Polyimide Strip Heater, 46.3 Ω	4 cond 18 ga; Alpha 2424C	MS24266R14B4SN	A(+) jumper to C(+), B(-) jumper to D(-)
CM 1, 7A-03	FL02B27	Spare	N/A	4 pr 22 ga	MS3126F14-19S	A,B,C,D (I+R,I-B,V+G,V-Y)
		Spare	N/A			E,F,G,H (I+R,I-B,V+G,V-Y)
		RTD_HOM_Coupler_Side-7-2 Copper Clamp	DT-670A1-CU			J,K,L,M (I+R,I-B,V+G,V-Y)
		RTD_HOM_Tuner_Side-7-4 Copper Clamp	DT-670A1-CU			N,P,R,S (I+R,I-B,V+G,V-Y)
CM 1, 7B-07	FL02B27	StrpHtr-HeVessel-7	HK5347R46.3L12AU Kapton Polyimide Strip Heater, 46.3 Ω	4 cond 18 ga; Alpha 2424C	MS24266R14B4SN	A(+) jumper to C(+), B(-) jumper to D(-)
CM 1, 8A-03	FL02B27	Spare	N/A	4 pr 22 ga	MS3126F14-19S	A,B,C,D (I+R,I-B,V+G,V-Y)
		Spare	N/A			E,F,G,H (I+R,I-B,V+G,V-Y)
		RTD_HOM_Coupler_Side-8-2 Copper Clamp	DT-670A1-CU			J,K,L,M (I+R,I-B,V+G,V-Y)
		RTD_HOM_Tuner_Side-8-4 Copper Clamp	DT-670A1-CU			N,P,R,S (I+R,I-B,V+G,V-Y)
CM 1, 8B-07	FL02B27	StrpHtr-HeVessel-8	HK5347R46.3L12AU Kapton Polyimide Strip Heater, 46.3 Ω	4 cond 18 ga; Alpha 2424C	MS24266R14B4SN	A(+) jumper to C(+), B(-) jumper to D(-)
CM 1, C-04	FL02B27	Heater Q1 & Q2	Split Quadrupole and Corrector Coils Persistent Current Magnet Heaters	4 cond 18 ga Alpha 2424C	MS24266R14B4SN	1(+), 2(-)
		Heater Q3 & Q4				3(+), 4(-)
CM 1, D-07	FL02B27	CoolDownHtr-1	Primary Cool Down Heater #1 Kapton Polyimide Strip Heater	4 cond 18 ga; Alpha 2424C	MS24266R14B4SN	A(+), B(-)
		CoolDownHtr-2	Primary Cool Down Heater #2 Kapton Polyimide Strip Heater			C(+), D(-)
CM 1, D-08	FL02B27	CoolDownHtr-3	Primary Cool Down Heater #3 Kapton Polyimide Strip Heater	4 cond 18 ga; Alpha 2424C	MS24266R14B4SN	A(+), B(-)
CM 1, E1-01	FL02B27	Heater in Downstream Level Can	W4C050 50V, 100 Watt Cartridge Heater	4 cond 18 ga; Alpha 2424C	16060-02-A	C(+), D(-)
		LL_Downstream	Cryomagetics 3D-031-033-PB-RAD-2K 12" Liquid Level P			A,B,C,D (I+R,I-B,V+G,V-Y)
		Spare	Jumper/ Potential for Interlock			
CM 1, E2-01	FL02B27	Baratron		4 cond 18 ga; Alpha 2424C	MS3126F10-6S	A,B,C,D (I+R,I-B,V+G,V-Y)
		LL_Downstream	Cryomagetics 3D-031-033-PB-RAD-2K 12" Liquid Level P			E,F
CM 1, F-01	FL02B27	Spare	Jumper/ Potential for Interlock	8 pr 22 ga Alpha 6379S	MS3126F14-19S	A,B,C,D (I+R,I-B,V+G,V-Y)
		RTD_MP_1	Cernox CX-1030-SD-HT-1.4L			E,F,G,H (I+R,I-B,V+G,V-Y)
		RTD_MP_2	DT-670A1-SD			J,K,L,M (I+R,I-B,V+G,V-Y)
		RTD_MP_3	DT-670A1-SD			J,K,L,M (I+R,I-B,V+G,V-Y)

		RTD_MP_4	DT-670A1-SD			N,P,R,S (I+R,I-B,V+G,V-Y)
CM 1, F-02	FL02B27	RTD_50K_LeadThermIntcp	DT-670A1-SD	8 pr 22 ga Alpha 6379S	MS3126F14-19S	A,B,C,D (I+R,I-B,V+G,V-Y)
		RTD_5K_LeadThermIntcp	DT-670A1-SD			E,F,G,H (I+R,I-B,V+G,V-Y)
		RTD_2K_LeadThermIntcp_1	DT-670A1-SD			J,K,L,M (I+R,I-B,V+G,V-Y)
		RTD_2K_LeadThermIntcp_2	DT-670A1-SD			N,P,R,S (I+R,I-B,V+G,V-Y)
CM 1, K-01	FL02B27	RTD_Line_A1	DT-670A1-CU	8 pr 22 ga Alpha 6379S	MS3126F14-19S	A,B,C,D (I+R,I-B,V+G,V-Y)
		RTD_Line_B1	DT-670A1-CU			E,F,G,H (I+R,I-B,V+G,V-Y)
		RTD_Line_B2	DT-670A1-CU			J,K,L,M (I+R,I-B,V+G,V-Y)
		RTD_Line_C1	DT-670A1-CU			N,P,R,S (I+R,I-B,V+G,V-Y)
CM 1, K-02	FL02B27	RTD_Line_D1	DT-670A1-CU	8 pr 22 ga Alpha 6379S	MS3126F14-19S	A,B,C,D (I+R,I-B,V+G,V-Y)
		RTD_Line_E1	PT-103 (Platinum 100 Ohm, European Standard DIN/IEC 60			E,F,G,H (I+R,I-B,V+G,V-Y)
		RTD_Line_F1	PT-103 (Platinum 100 Ohm, European Standard DIN/IEC 60			J,K,L,M (I+R,I-B,V+G,V-Y)
		RTD_Shield_1	PT-103 (Platinum 100 Ohm, European Standard DIN/IEC 60			N,P,R,S (I+R,I-B,V+G,V-Y)
CM 1, K-03	FL02B27	RTD_Cooldown_1	Cemox CX-1030-CU-HT-1.4L	8 pr 22 ga Alpha 6379S	MS3126F14-19S	A,B,C,D (I+R,I-B,V+G,V-Y)
		RTD_Cooldown_2	Cemox CX-1030-CU-HT-1.4L			E,F,G,H (I+R,I-B,V+G,V-Y)
		RTD Faraday Window 1 Port	Cemox CX-1030-SD-HT			J,K,L,M (I+R,I-B,V+G,V-Y)
		RTD Faraday Window 2 Port	Cemox CX-1030-SD-HT			N,P,R,S (I+R,I-B,V+G,V-Y)
CM 1, K-04	FL02B27	Heater in Upstream Level Can	W4C050 50V, 100 Watt Cartridge Heater	4 cond 18 ga; Alpha 2424C	MS24266R14B4SN	A(+) jumper to C(+) , B(-) jumper to D(-)
CM 1, L1-01	FL02B27	LL Upstream	Cryomagetics 3D-031-033-PB-RAD-2K 12" Liquid Level P	4 cond 18 ga; Alpha 2424C	16060-02-A	A,B,C,D (I+R,I-B,V+G,V-Y)
		Spare	Jumper/ Potential for Interlock			E, F
CM 1, L1-BAR	FL02B27	Baratron				
L2-01	FL02B27	LL Upstream	Cryomagetics 3D-031-033-PB-RAD-2K 12" Liquid Level P	4 cond 18 ga; Alpha 2424C	MS3126F10-6S	A,B,C,D (I+R,I-B,V+G,V-Y)
		Spare	Jumper/ Potential for Interlock			E,F