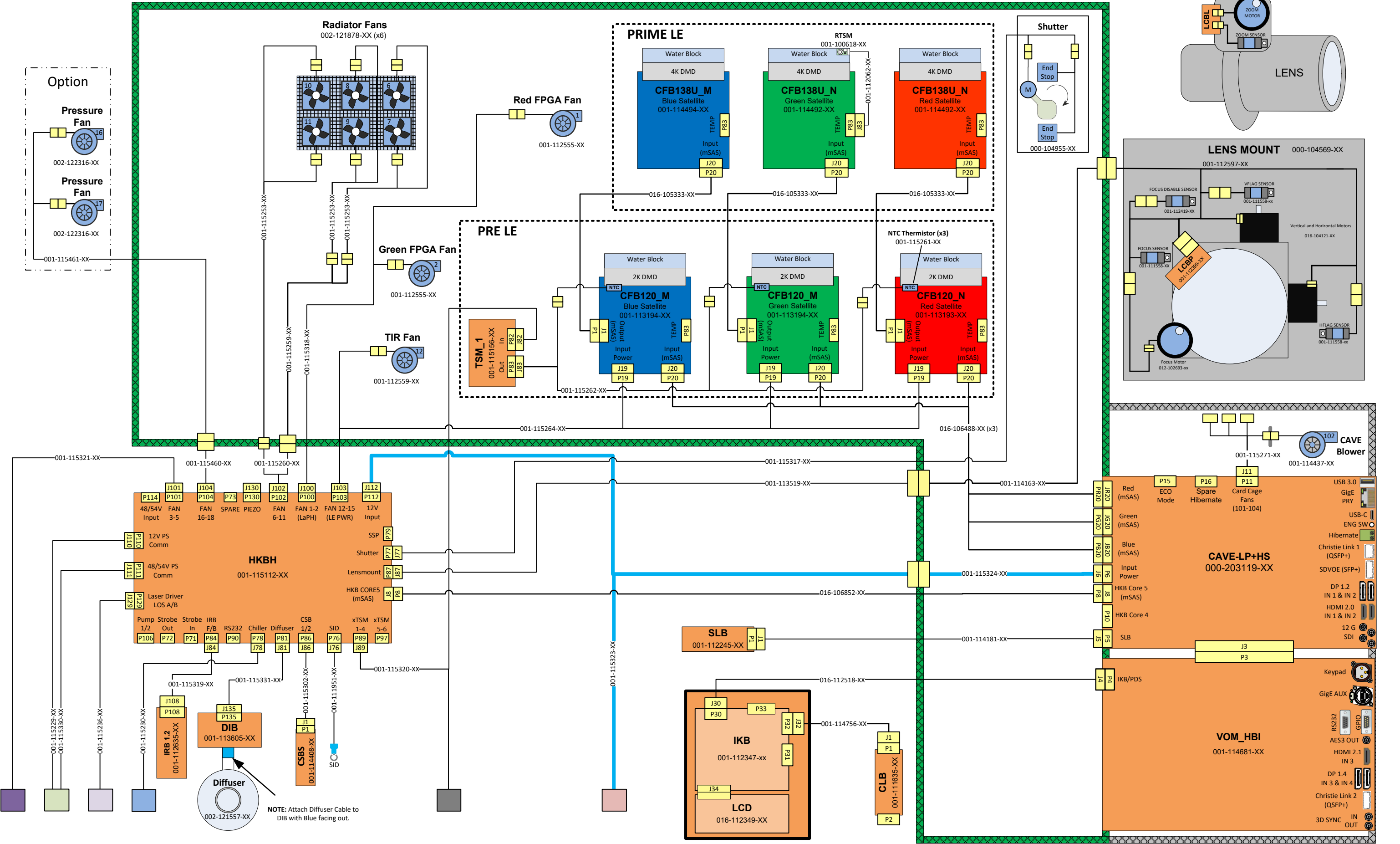
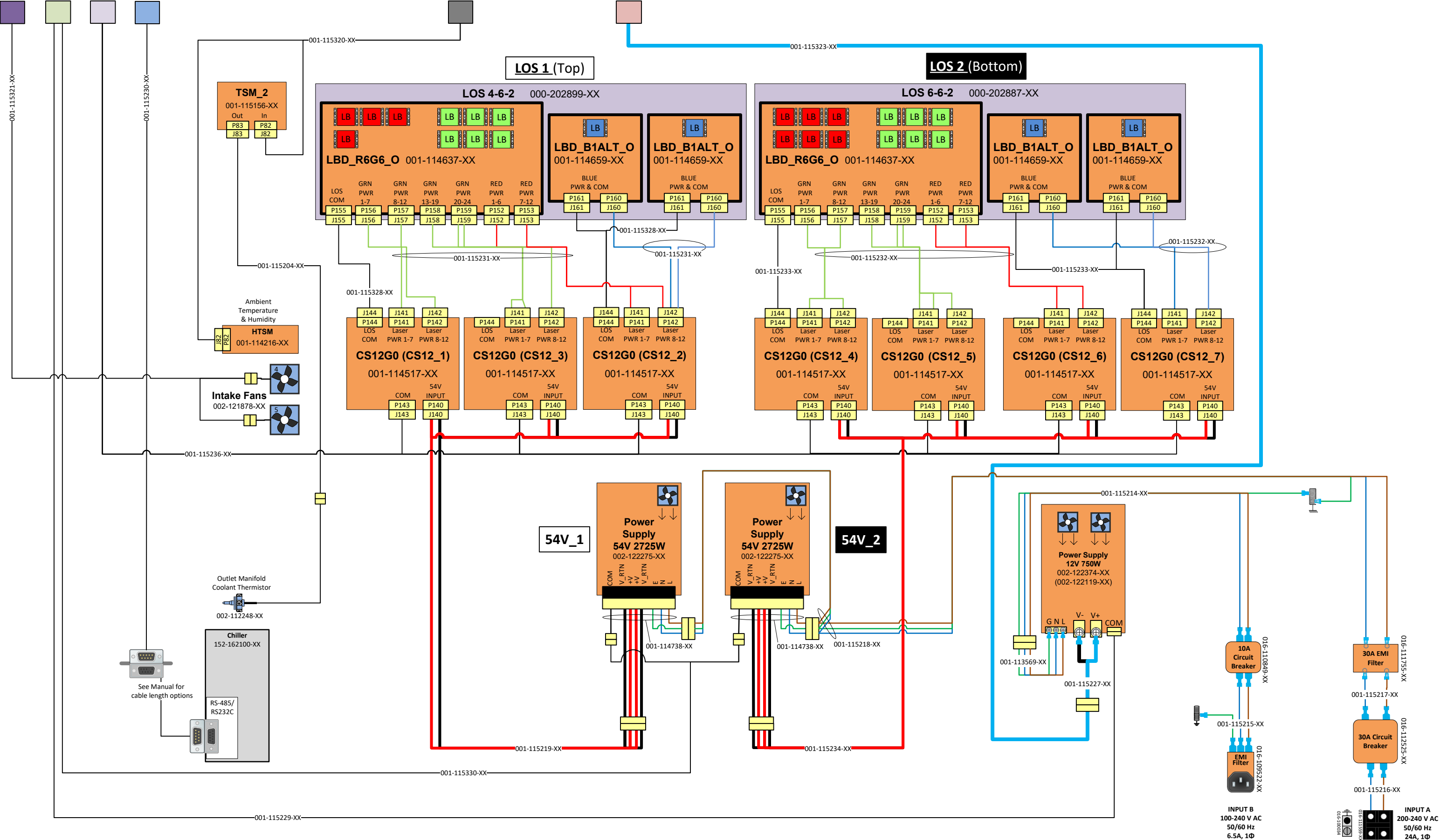
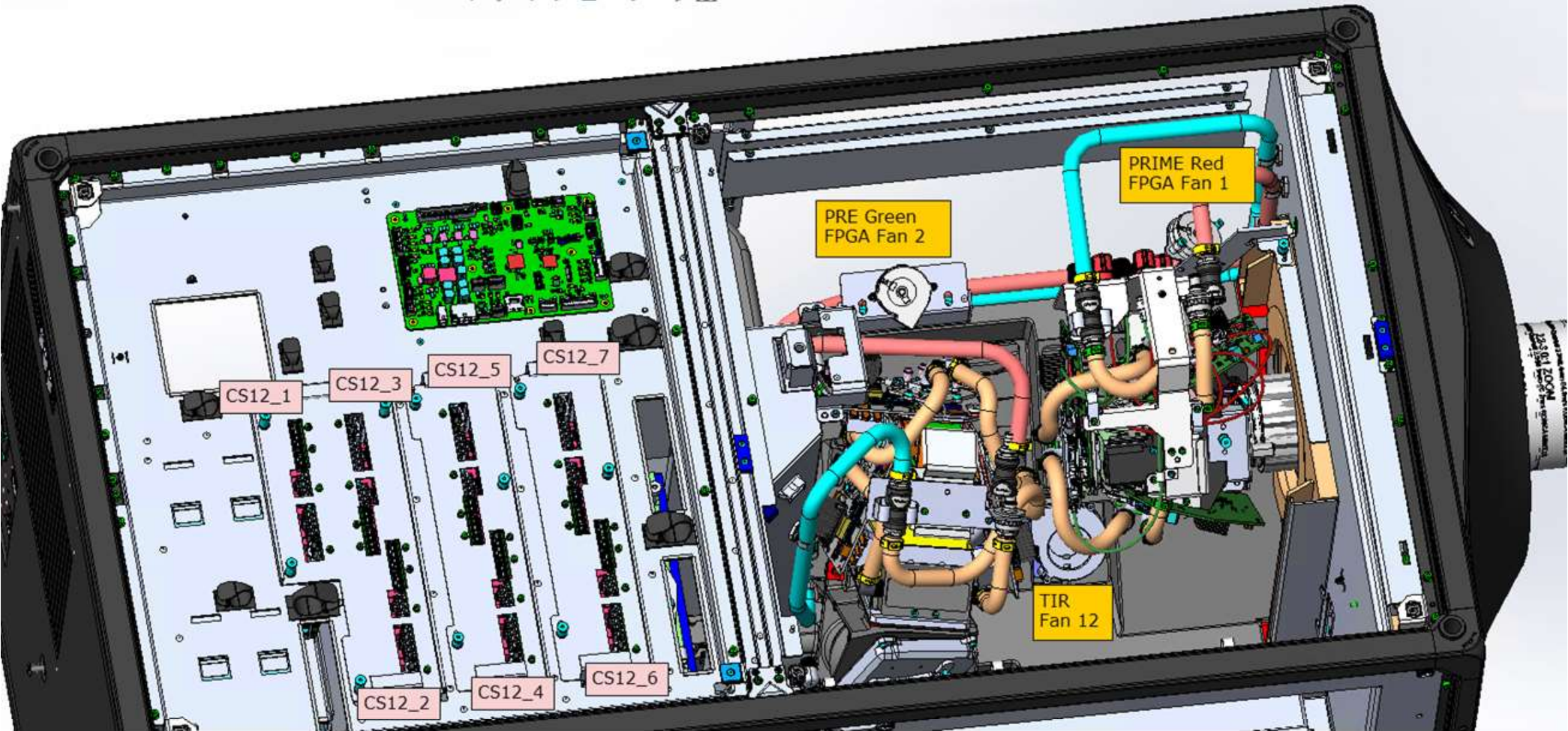
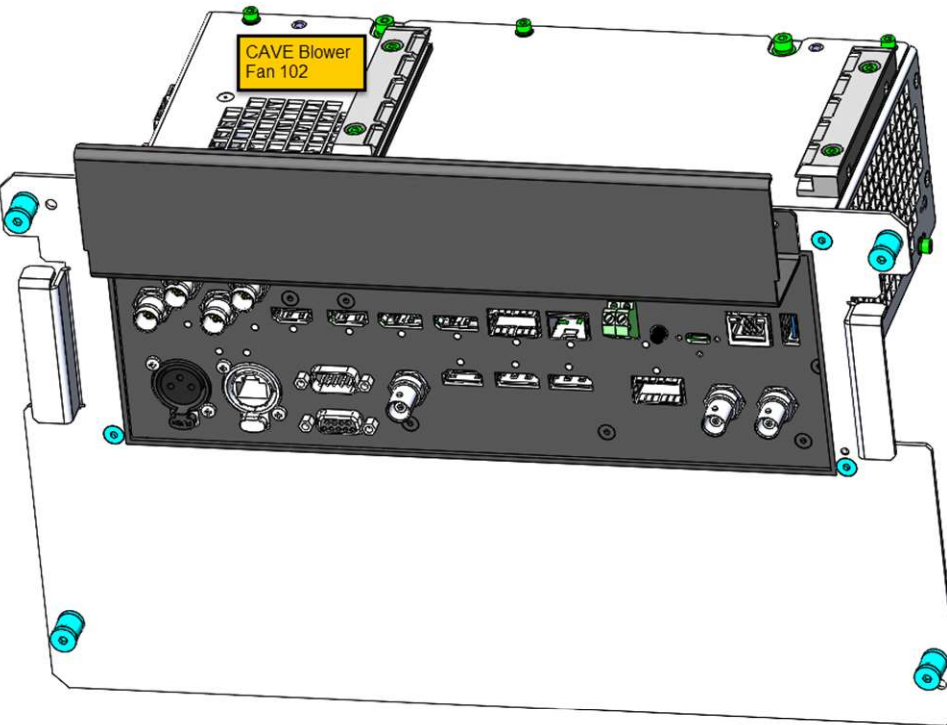
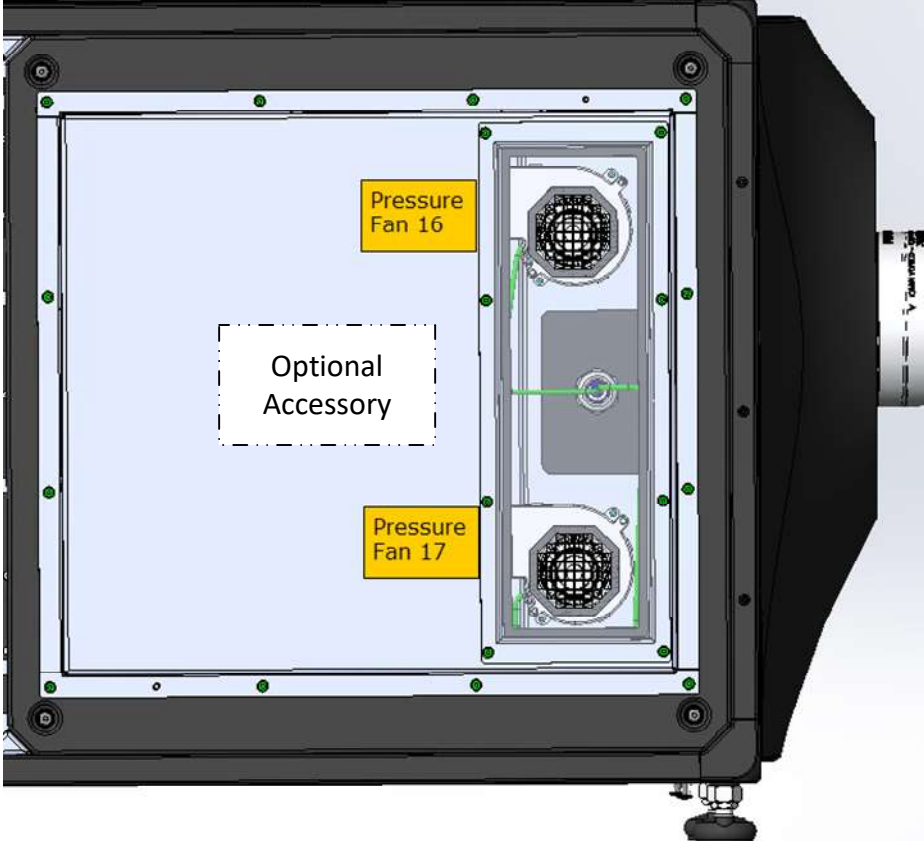
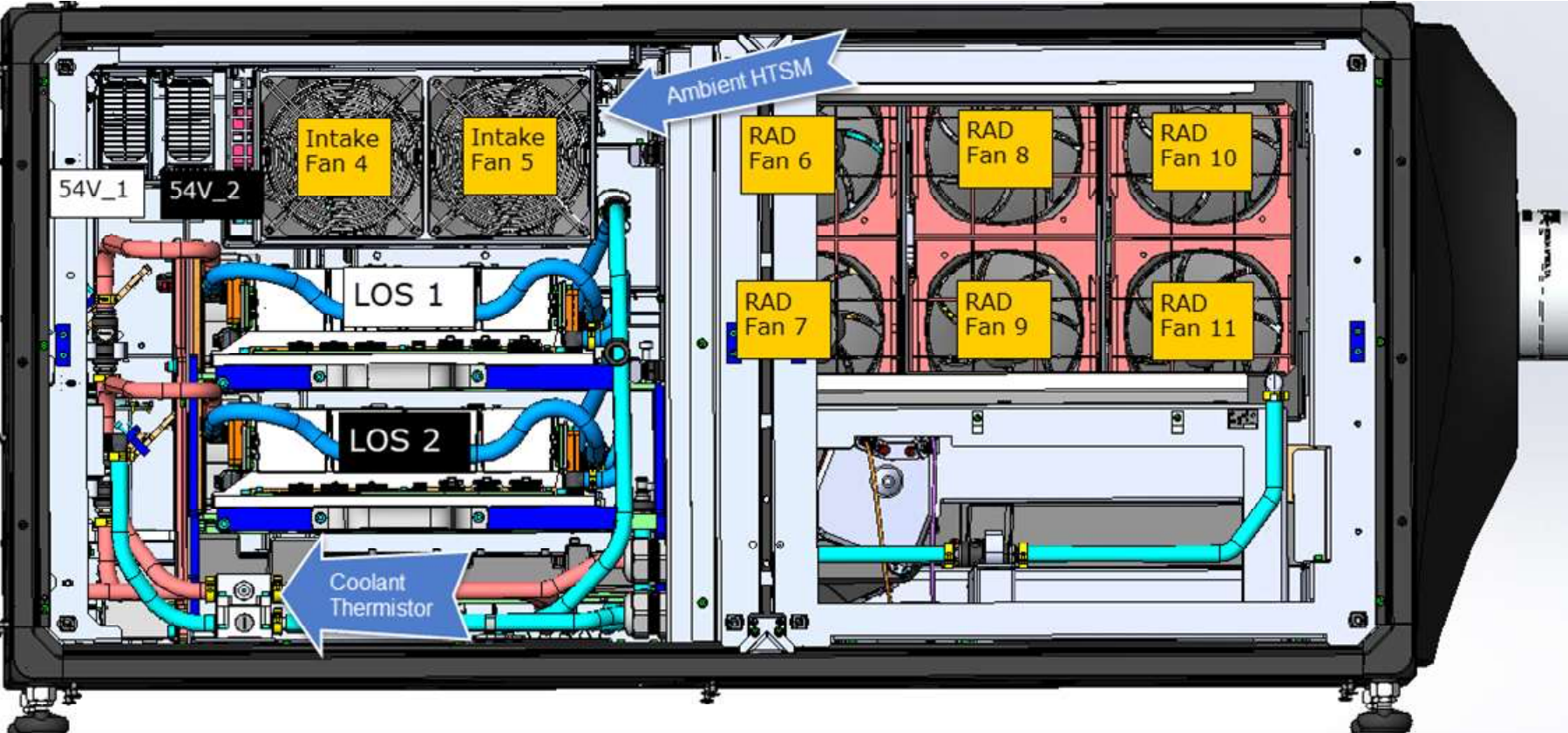








Pins are (source, return)

CS12_1: CS12G0 (Slot 1)

UCD #	P141	CS12 Pins	Laser	R6G6 (Pins)	UI #
0	LD1	1, 9	Green1-1	P156 (8, 16)	GRN [1]
0	LD2	2, 10	Green1-2	P156 (7, 15)	GRN [2]
0	LD3	3, 11	Green1-3	P156 (6, 14)	GRN [3]
1	LD4	4, 12	Green1-4	P156 (5, 13)	GRN [4]
1	LD5	6, 14	Green2-1	P156 (3, 11)	GRN [5]
1	LD6	7, 15	Green2-2	P156 (2, 10)	GRN [6]
2	LD7	8, 16	Green2-3	P156 (1, 9)	GRN [7]
	P142	CS12 Pins	Laser	R6G6 (Pins)	UI #
2	LD8	1, 7	Green2-4	P157 (6, 12)	GRN [8]
2	LD9	2, 8	Green3-1	P157 (4, 10)	GRN [9]
3	LD10	3, 9	Green3-2	P157 (3, 9)	GRN [10]
3	LD11	5, 11	Green3-3	P157 (2, 8)	GRN [11]
3	LD12	6, 12	Green3-4	P157 (1, 7)	GRN [12]

CS12_2: CS12G0 (Slot 2)

UCD #	P141	CS12 Pins	Laser	R6G6 (Pins)	UI #
0	LD1	1, 9	Red3-1	P152 (2, 9)	RED [5]
0	LD2	2, 10	Red3-2	P152 (1, 8)	RED [6]
0	LD3	3, 11	Red4-1	P153 (8, 1)	RED [7]
1	LD4	4, 12	Red4-2	P153 (9, 2)	RED [8]
1	LD5	6, 14	Red5-1	P153 (11, 4)	RED [9]
1	LD6	7, 15	Red5-2	P153 (12, 5)	RED [10]
2	LD7	8, 16	Red6-1	P153 (13, 6)	RED [11]
	P142	CS12 Pins	Laser	R6G6 (Pins)	UI #
2	LD8	1, 7	Red6-2	P153 (14, 7)	RED [12]
	P142	CS12 Pins	Laser	B1ALT_1 (Pins)	
2	LD9	2, 8	Blue1-1	P160 (1, 7)	BLU [1]
3	LD10	3, 9	Blue1-2	P160 (3, 9)	BLU [2]
	P142	CS12 Pins	Laser	B1ALT_2 (Pins)	
3	LD11	5, 11	Blue2-1	P160 (1, 7)	BLU [3]
3	LD12	6, 12	Blue2-2	P160 (3, 9)	BLU [4]

CS12_3: CS12G0 (Slot 3)

UCD #	P141	CS12 Pins	Laser	R6G6 (Pins)	UI #
0	LD1	1, 9	Green4-1	P158 (9, 1)	GRN [13]
0	LD2	2, 10	Green4-2	P158 (10, 2)	GRN [14]
0	LD3	3, 11	Green4-3	P158 (11, 3)	GRN [15]
1	LD4	4, 12	Green4-4	P158 (12, 4)	GRN [16]
1	LD5	6, 14	Green5-1	P158 (14, 6)	GRN [17]
1	LD6	7, 15	Green5-2	P158 (15, 7)	GRN [18]
2	LD7	8, 16	Green5-3	P158 (16, 8)	GRN [19]
	P142	CS12 Pins	Laser	R6G6 (Pins)	UI #
2	LD8	1, 7	Green5-4	P159 (7, 1)	GRN [20]
2	LD9	2, 8	Green6-1	P159 (9, 3)	GRN [21]
3	LD10	3, 9	Green6-2	P159 (10, 4)	GRN [22]
3	LD11	5, 11	Green6-3	P159 (11, 5)	GRN [23]
3	LD12	6, 12	Green6-4	P159 (12, 6)	GRN [24]

0 = ✓

1 = ✗

A '1' indicates the driver has a problem and has been "set out of service" by software

Out of Service Bits

Drivers per Laser

LB

x2

LB

x4

LB

x2

RED[5] / Red5-1

Driver

Binary

Laser

Hex

12 11 10 9

8 7 6 5

4 3 2 1

1 0 0 0

1 1 1 1

0 0 1 1

#6 #5

#4 #3

#2 #1

0x8

F

3

GRN[2] / Green1-2

Driver

Binary

Laser

Hex

24 23 22 21

20 19 18 17

16 15 14 13

12 11 10 9

8 7 6 5

4 3 2 1

1 0 0 0

0 0 1 0

1 1 0 0

1 1 1 1

0 1 0 0

1 0 1 0

#6 #5

#4 #3

#2 #1

0x8

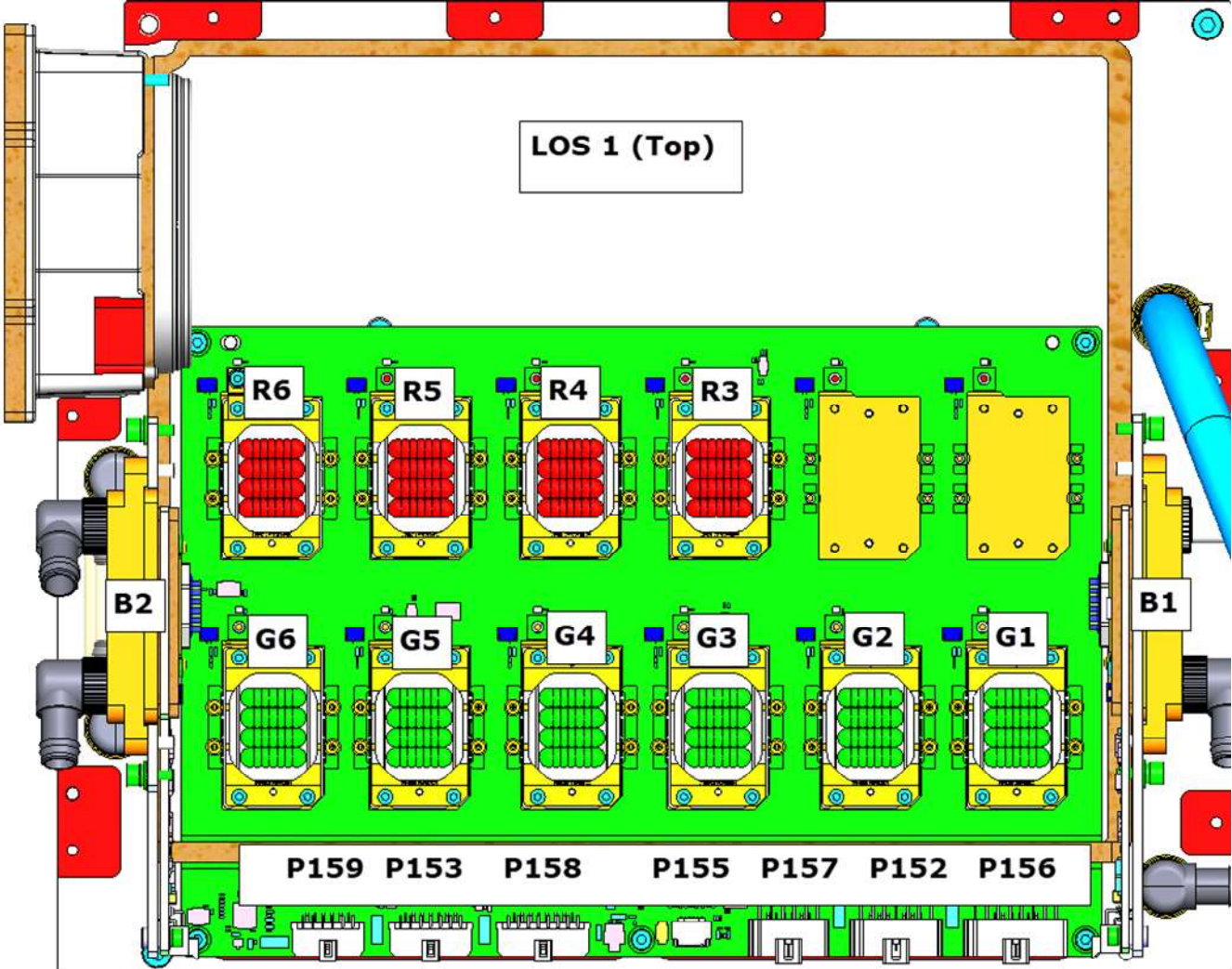
2

C

F

4

A



Pins are (source, return)

CS12_4: CS12G0 (Slot 1)

UCD #	P141	CS12 Pins	Laser	R6G6 (Pins)	UI #
0	LD1	1, 9	Green1-1	P156 (8, 16)	GRN [1]
0	LD2	2, 10	Green1-2	P156 (7, 15)	GRN [2]
0	LD3	3, 11	Green1-3	P156 (6, 14)	GRN [3]
1	LD4	4, 12	Green1-4	P156 (5, 13)	GRN [4]
1	LD5	6, 14	Green2-1	P156 (3, 11)	GRN [5]
1	LD6	7, 15	Green2-2	P156 (2, 10)	GRN [6]
2	LD7	8, 16	Green2-3	P156 (1, 9)	GRN [7]
	P142	CS12 Pins	Laser	R6G6 (Pins)	UI #
2	LD8	1, 7	Green2-4	P157 (6, 12)	GRN [8]
2	LD9	2, 8	Green3-1	P157 (4, 10)	GRN [9]
3	LD10	3, 9	Green3-2	P157 (3, 9)	GRN [10]
3	LD11	5, 11	Green3-3	P157 (2, 8)	GRN [11]
3	LD12	6, 12	Green3-4	P157 (1, 7)	GRN [12]

CS12_5: CS12G0 (Slot 2)

UCD #	P141	CS12 Pins	Laser	R6G6 (Pins)	UI #
0	LD1	1, 9	Green4-1	P158 (9, 1)	GRN [13]
0	LD2	2, 10	Green4-2	P158 (10, 2)	GRN [14]
0	LD3	3, 11	Green4-3	P158 (11, 3)	GRN [15]
1	LD4	4, 12	Green4-4	P158 (12, 4)	GRN [16]
1	LD5	6, 14	Green5-1	P158 (14, 6)	GRN [17]
1	LD6	7, 15	Green5-2	P158 (15, 7)	GRN [18]
2	LD7	8, 16	Green5-3	P158 (16, 8)	GRN [19]
	P142	CS12 Pins	Laser	R6G6 (Pins)	UI #
2	LD8	1, 7	Green5-4	P159 (7, 1)	GRN [20]
2	LD9	2, 8	Green6-1	P159 (9, 3)	GRN [21]
3	LD10	3, 9	Green6-2	P159 (10, 4)	GRN [22]
3	LD11	5, 11	Green6-3	P159 (11, 5)	GRN [23]
3	LD12	6, 12	Green6-4	P159 (12, 6)	GRN [24]

CS12_6: CS12G0 (Slot 3)

UCD #	P141	CS12 Pins	Laser	R6G6 (Pins)	UI #
0	LD1	1, 9	Red1-1	P152 (7, 14)	RED [1]
0	LD2	2, 10	Red1-2	P152 (6, 13)	RED [2]
0	LD3	3, 11	Red2-1	P152 (5, 12)	RED [3]
1	LD4	4, 12	Red2-2	P152 (4, 11)	RED [4]
1	LD5	6, 14	Red3-1	P152 (2, 9)	RED [5]
1	LD6	7, 15	Red3-2	P152 (1, 8)	RED [6]
2	LD7	8, 16	Red4-1	P153 (8, 1)	RED [7]
	P142	CS12 Pins	Laser	R6G6 (Pins)	UI #
2	LD8	1, 7	Red4-2	P153 (9,2)	RED [8]
2	LD9	2, 8	Red5-1	P153 (11, 4)	RED [9]
3	LD10	3, 9	Red5-2	P153 (12, 5)	RED [10]
3	LD11	5, 11	Red6-1	P153 (13, 6)	RED [11]
3	LD12	6, 12	Red6-2	P153 (14, 7)	RED [12]

CS12_7: CS12G0 (Slot 4)

UCD #	P141	CS12 Pins	Laser	B1ALT_1 (Pins)	UI #
0	LD1	1, 9	Blue1-1	P160 (1, 6)	BLU [1]
0	LD2	2, 10	Blue1-2	P160 (2, 7)	BLU [2]
0	LD3	3, 11	Blue1-3	P160 (3, 8)	BLU [3]
1	LD4	4, 12	Blue1-4	P160 (4, 9)	BLU [4]
1	LD5	6, 14			
1	LD6	7, 15			
2	LD7	8, 16			
	P142	CS12 Pins	Laser	B1ALT_2 (Pins)	UI #
2	LD8	1, 7	Blue2-1	P160 (1, 6)	BLU [5]
2	LD9	2, 8	Blue2-2	P160 (2, 7)	BLU [6]
3	LD10	3, 9	Blue2-3	P160 (3, 8)	BLU [7]
3	LD11	5, 11	Blue2-4	P160 (4, 9)	BLU [8]
3	LD12	6, 12			

0 = ✓
1 = ✗

A '1' indicates the driver has a problem and has been "set out of service" by software

Out of Service Bits

Drivers per Laser

LB

x2

LB

x4

LB

x4

RED[5] / Red3-1

Driver

Binary

Laser

Hex

12 11 10 9

8 7 6 5

4 3 2 1

1 0 0 0

1 1 1 1

0 0 1 1

#6 #5

#4 #3

#2 #1

0x8

F

3

GRN[2] / Green1-2

Driver

Binary

Laser

Hex

24 23 22 21

20 19 18 17

16 15 14 13

12 11 10 9

8 7 6 5

4 3 2 1

1 0 0 0

0 0 1 0

1 1 0 0

1 1 1 1

0 1 0 0

1 0 1 0

#6 #5

#4 #3

#2 #1

0x8

2

C

F

4

A

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