

87

76

65

54

43

32

21

DWG. NO.05A-0013-03

REV0

NOTES:

1-STAKE ALL SCEWS AND NUTS

2PROGRAM ITEM USING PROGRAM PROCEDURE XXXX.

3APPLY HEAT THERMAL COMPOUND AND THERMAL PAD TO MICONTRROLLER

4-APPLY LOCTITE ON ALL SCREWS.

5-POT ALL CONNECTORS AFTER FULL TEST

6SEE WIRE HARNESS ASSEMBLY 10A-0027-21

9S	2	91772A114	MCMaster CARR	SCREW, 4-40 X 7 /8L PPH	EA
8S	4	91772A192	MCMaster CARR	SCREW, 8-32 X 3 /8L PPH	EA
7S	6	91772A105	MCMaster CARR	SCREW, 4-40 X 3 /16L PPH	EA
6S	8	91771A157	MCMaster CARR	SCREW, #6-32 X 1-1/2L, PFH	EA
5H	8	96278A007	MCMaster CARR	NUT, #6-32, WITH TOOTH WASHER	EA
5S	6	91801A212	MCMaster CARR	SCREW, 8MM, M4, PFH	EA
4H	4	96278A009	MCMaster CARR	NUT, #8-32 WITH TOOTH WASHER	EA
4S	2	92314A110	MCMaster CARR	SCREW, 4-40 X 1 /2L, PFH ,82 DEGREES	EA
3H	28	96278A005	MCMaster CARR	NUT, #4-40, WITH TOOTH WASHER	EA
3S	58	91772A108	MCMaster CARR	SCREW, 4-40 X 3 /8L PPH	EA
2S	10	96640A056	MCMaster CARR	SCREW, 4-40 X3 /8L, PFH ,82 DEGREES,BLK	EA
1S	20	96640A115	MCMaster CARR	SCREW, 6-32 X3 /8L, PFH ,82 DEGREES,BLK	EA
ITEM NO.	QTY	PART NO.	MFG:	DESCRIPTION	U/M
HARDWARE					

36	NA	1	2118-3124-ND	MACHINED	COVER , TERMINAL, 10 POSITION	EA
35	NA	8	93330A439	MCMaster CARR	STAND-OFF, FEMALE THREADED, ROUND	EA
34	NA	8	93505A107	MCMaster CARR	STAND-OFF, MALE-FEMALE THREADED HEX	EA
33	NA	2	WM5781-ND	DIGI-KEY	TERMINAL BLOCK 10 POSITION	EA
32	NA	2	2118-3123	MACHINED	COVER, TERMINAL BLOCK	EA
31	NA	25	607-7009	ALLIED ELECTRONICS	JUMPERS, SLOTTED, 7600 SERIES	EA
30	NA	2	WM5778-ND	DIGI-KEY	TERMINAL BLOCK 6 POSITION	EA
29	NA	1	PE9252	PASTERNAK	ADAPTOR, N-FEM-SMA FEM BULKHEAD	EA
28	NA	1	6392	OCTAGON SYSTEMS	CABLE, 2MM, VGA-12	EA
27	NA	1	063A-0000	PCB	PCB, MULTIFUCTION BOARD	EA
26	NA	1	M85528/2-22A	PEI GENESIS	FLANGE MOUNT, 4-40, SIZE 22 SHELL	EA
25	NA	4	M85528/2-12A	PEI GENESIS	FLANGE MOUNT, 4-40, SIZE 12 SHELL	EA
24	NA	1	M85528/2-10A	PEI GENESIS	FLANGE MOUNT, 4-40, SIZE 10 SHELL	EA
23	NA	1	10A-0027-19	UAVS	HARNESS, KEYBOARD	EA
22	NA	2	8467K-ND	DIGI-KEY	FAN GUARD, 60 X60 MM	EA
21	NA	1	2118-3122	MACHINED	BRACKET, ETHERNET SUPPORT	EA
20	NA	1	2118-3125	MACHINED	FOAM SUPPORT	EA
19	NA	1	FS105	AMAZON	NETGEAR 5 PORT	EA
18	NA	1	285-1612-ND	DIGI-KEY	POWER, SUPPLY, 12VDC	EA
17	NA	1	285-1614-ND	DIGI-KEY	POWER SUPPLY , 24VDC	EA
16	NA	1	74K5372	NEWARK	FILTER, EMI POWER LINE	EA
15	NA	1	06A-0048-03	MACHINED	CHASIS, GCSBLKII	EA
14	NA	1	?	MACHINED	BRACKET, SPLITTER	EA
13	NA	2	06A-0048-01	MACHINED	BRACKET STRAP, SPLITTER	EA
12	NA	4	93505A431	MCMaster CARR	STAND-OFF, MALE-FEMALE HEX, 4-40	EA
11	NA	4	93330A462	MCMaster CARR	SPACER, THREDED, 4-40 X 1- 1/2L	EA
10	NA	2	PE9484	PASTERNAK	ADAPTOR, BNC Y FEMALE-MALE-FEMALE	EA
9	NA	1	MRL8RML132G	RECEIVER	COBHAM, 1445-1525 MHZ RECEIVER	EA
8	NA	4	93330A435	MCMaster CARR	SPACER, THREADED, FEMALE, 4-40 X 1 /2 L	EA
7	NA	1	BL204	MATRIX ORBITAL	FILTER , DISPLAY, BLUE	EA
6	NA	1	VK204-25	MATRIX ORBITAL	DISPLAY, 4 X 20 CHARACTER	EA
5	NA	8	SDG300	L-COM	JACKPOST, 4-40, HEX D-SUB	EA
4	NA	1	450-1712-ND	DIGI-KEY	KNOB, ANTENNA SELECT	EA
3	NA	2	RJF21BSCC	PEI GENESIS	CONNECTOR, RJ45 MOUNT	EA
2	NA	2	BA400Y	L-COM	CONNECTOR, ADAPTOR, VIDEO, YELLO	EA
1	NA	1	06A-0048-02	MACHINED	FACEPLATE, GCSBLKII	EA
ITEM NO.	WIRE DIAGRAM REF.	QTY	PART NO.	MFG:	DESCRIPTION	U/M

PROPRIETARY AND CONFIDENTIAL

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THIRD ANDLE PROJECTION IN ACCORDANCE WITH ASME Y14.5

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: ANGULAR +/- 5 BEND +/- .3 TWO PLACE DECIMAL +/- .05 THREE PLACE DECIMAL +/- .001

ORIG. ENG. SKTCH NO.:

INITIALS

DATE

DRAFTER: RGB

CHECKER:

ENG. APPR:

WORKMANSHIP PER QOP ISO STD 001-XXX

8280 PATUXENT RANGE RD. SUITE E JESSUP, MD 20794

PHONE: 240-456-0195 EMAIL: INFO@UAV-SOLUTIONS.COM

TITLE: GCSBLKII CHASIS ASSEMBLY

SIZE B

DWG. NO.05A-0013-03

REV0

CAGE CODE: 61F14

SCALE: NTS

SHEET 1 OF 5

87

76

65

54

43

32

21

DWG. NO.05A-0013-03

REV0

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7S	6	91772A105	MCMaster CARR	SCREW, 4-40 X 3 /16L PPH	EA
6S	8	91771A157	MCMaster CARR	SCREW, #6-32 X 1-1/2L, PFH	EA
5H	8	96278A007	MCMaster CARR	NUT, #6-32, WITH TOOTH WASHER	EA
5S	6	91801A212	MCMaster CARR	SCREW, 8MM, M4, PFH	EA
4H	4	96278A009	MCMaster CARR	NUT, #8-32 WITH TOOTH WASHER	EA
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2S	10	96640A056	MCMaster CARR	SCREW, 4-40 X3 /8L, PFH ,82 DEGREES,BLK	EA
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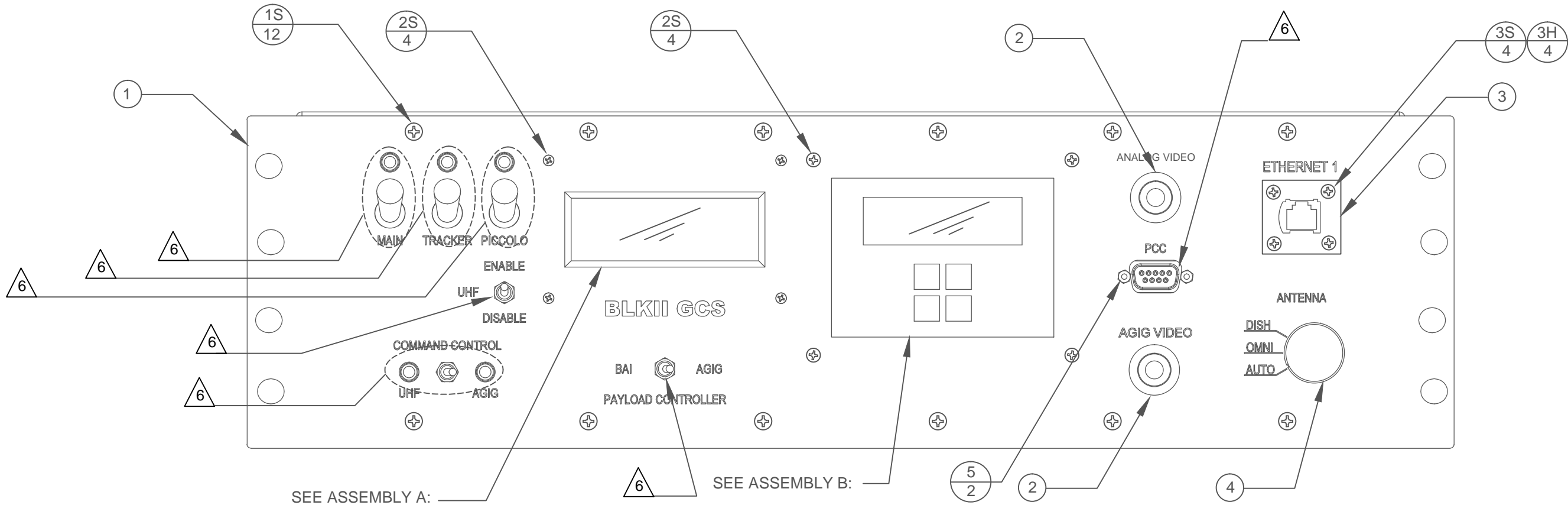
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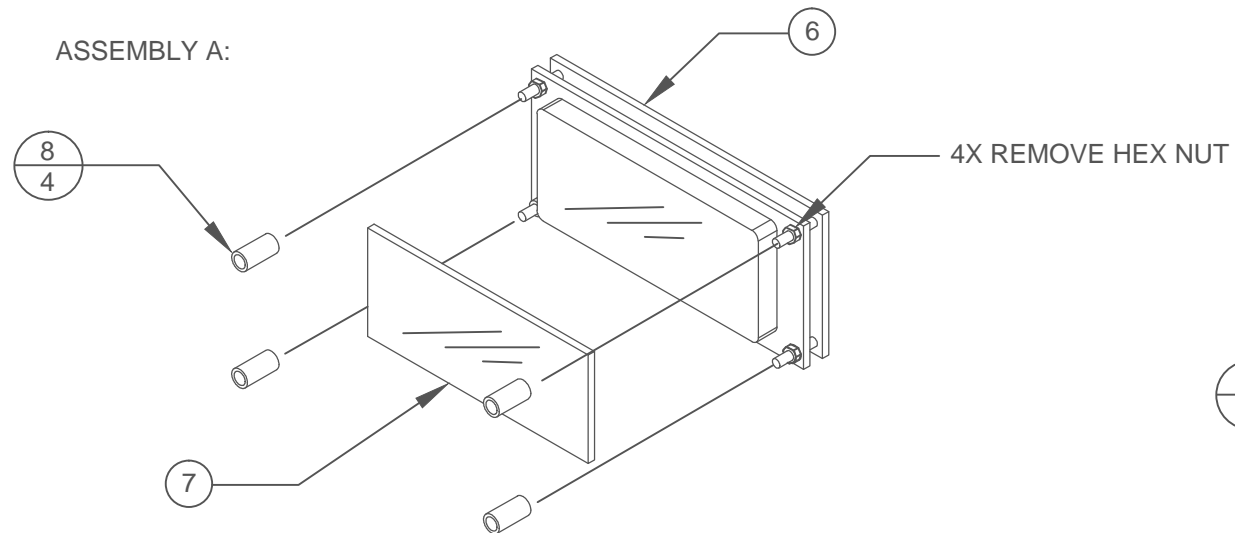
5-POT ALL CONNECTORS AFTER FULL TEST

6SEE WIRE HARNESS ASSEMBLY 10A-0027-21

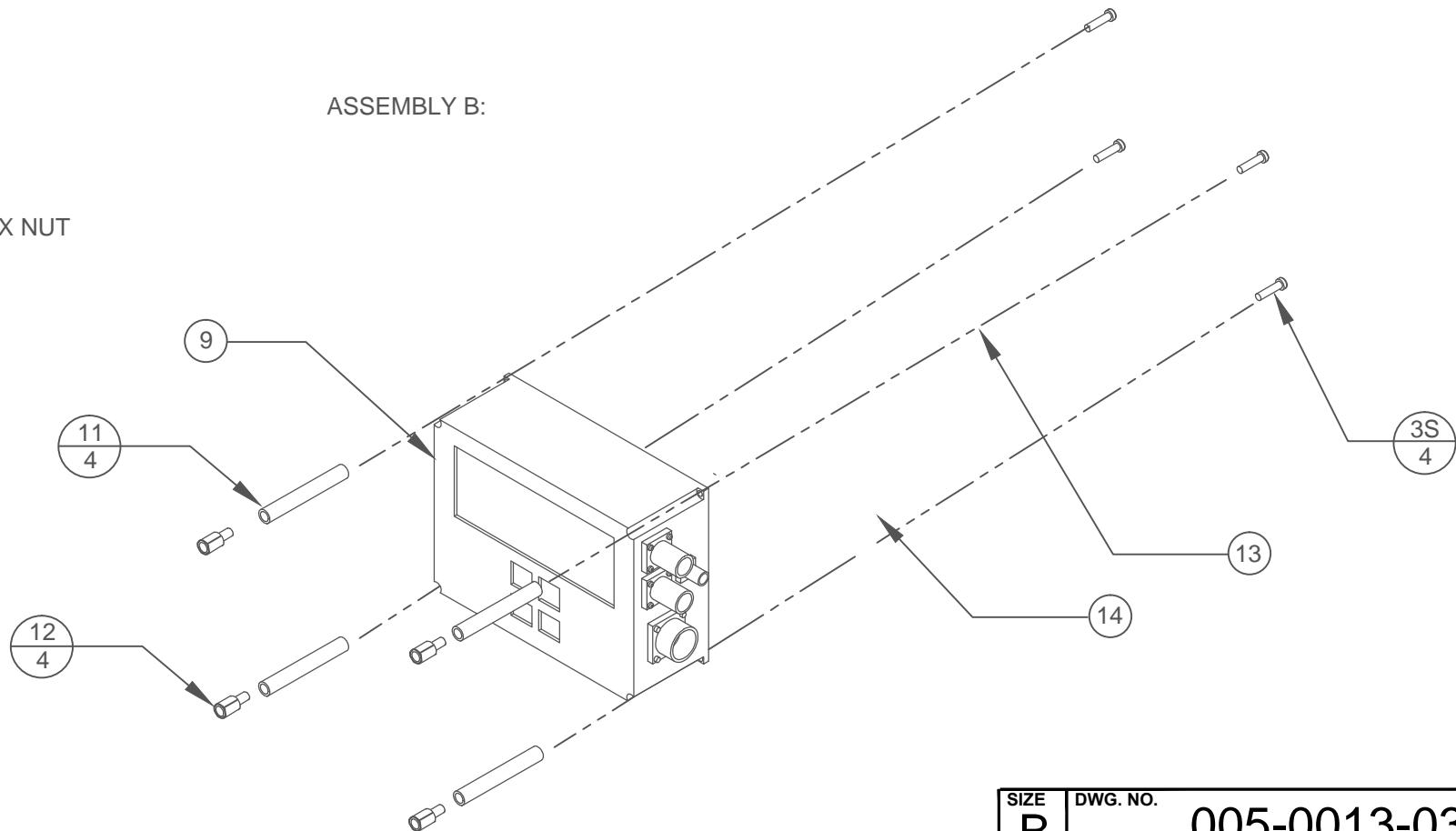
9S	2	91772A114
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ASSEMBLY A:



ASSEMBLY B:



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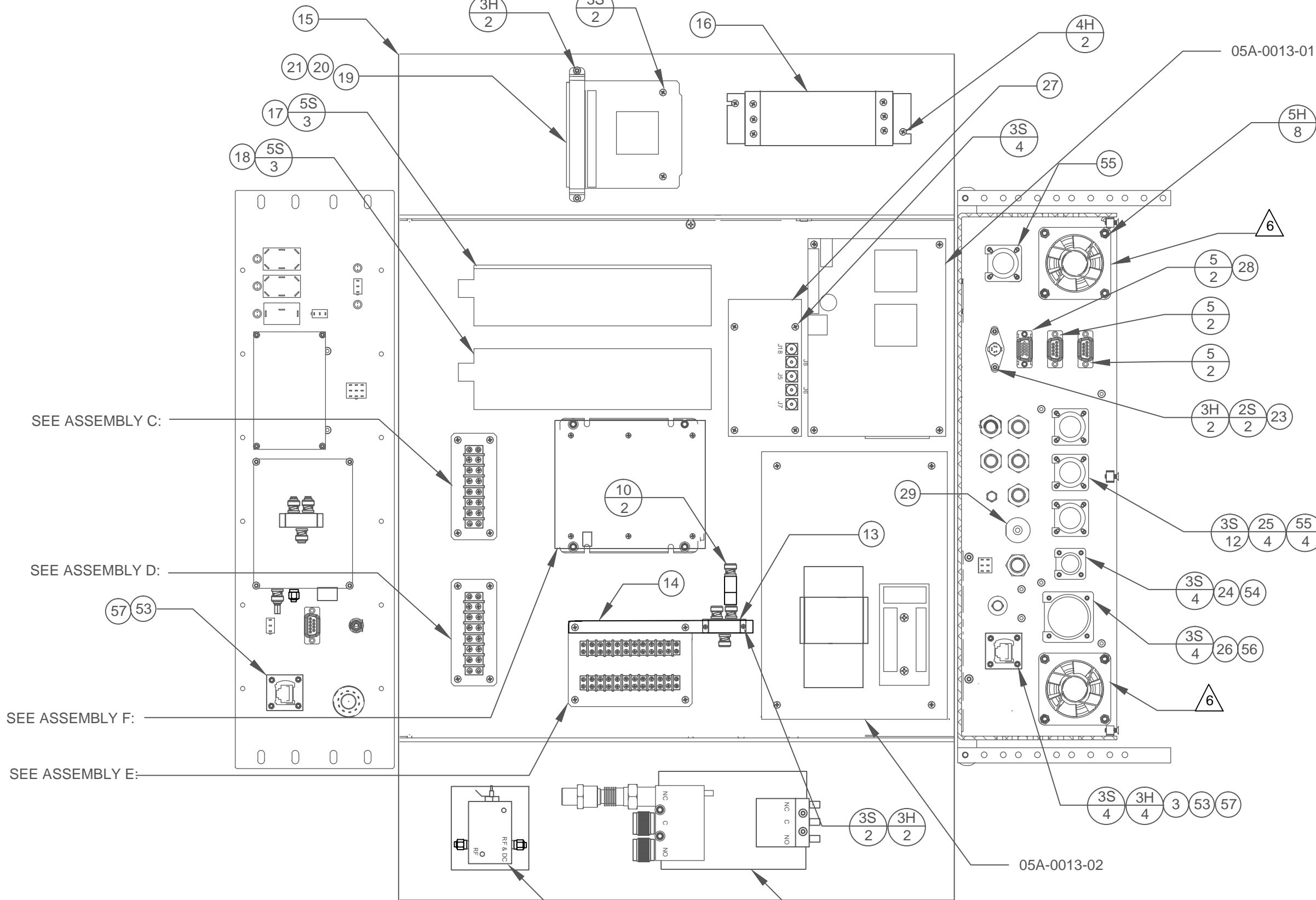
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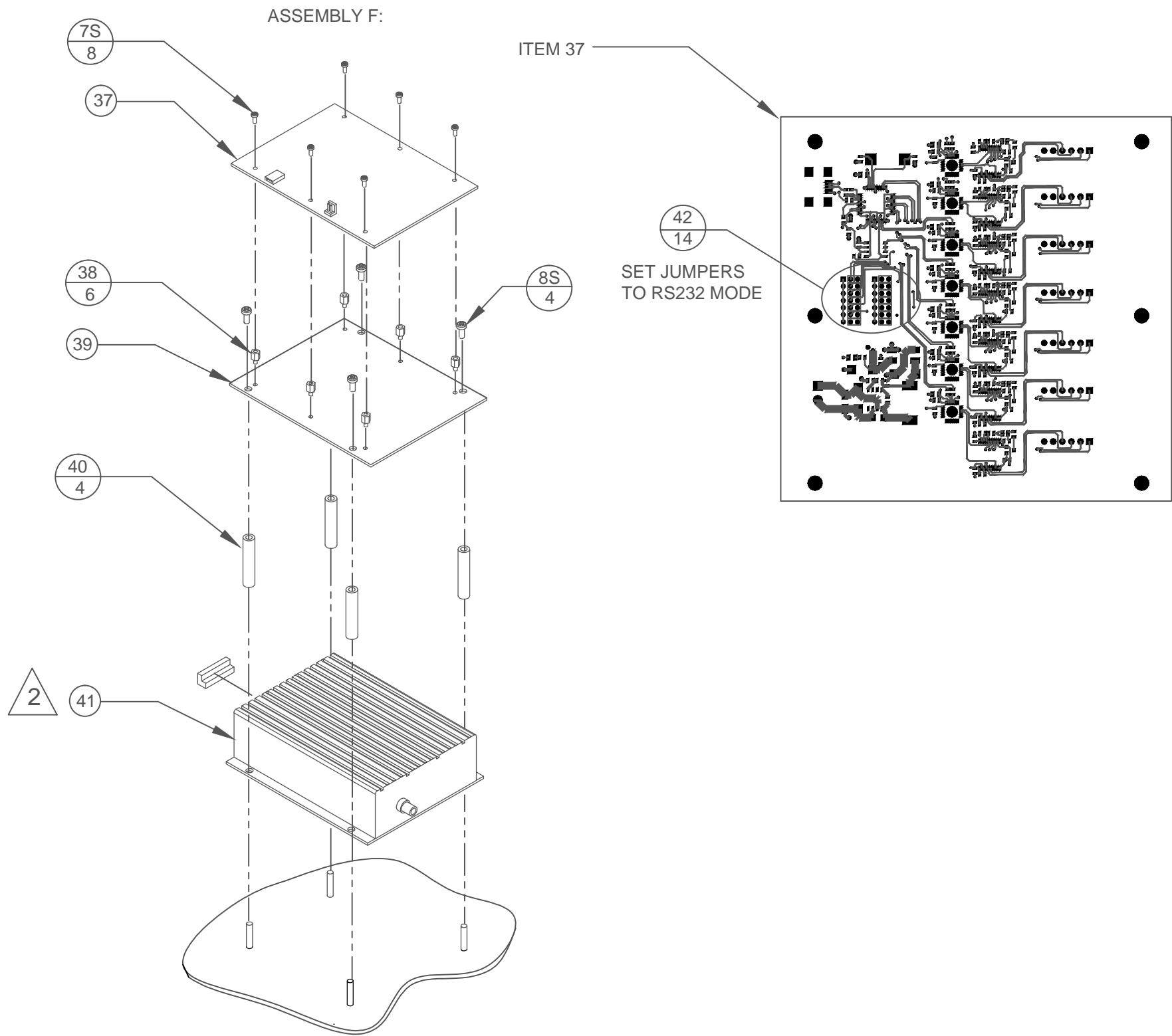
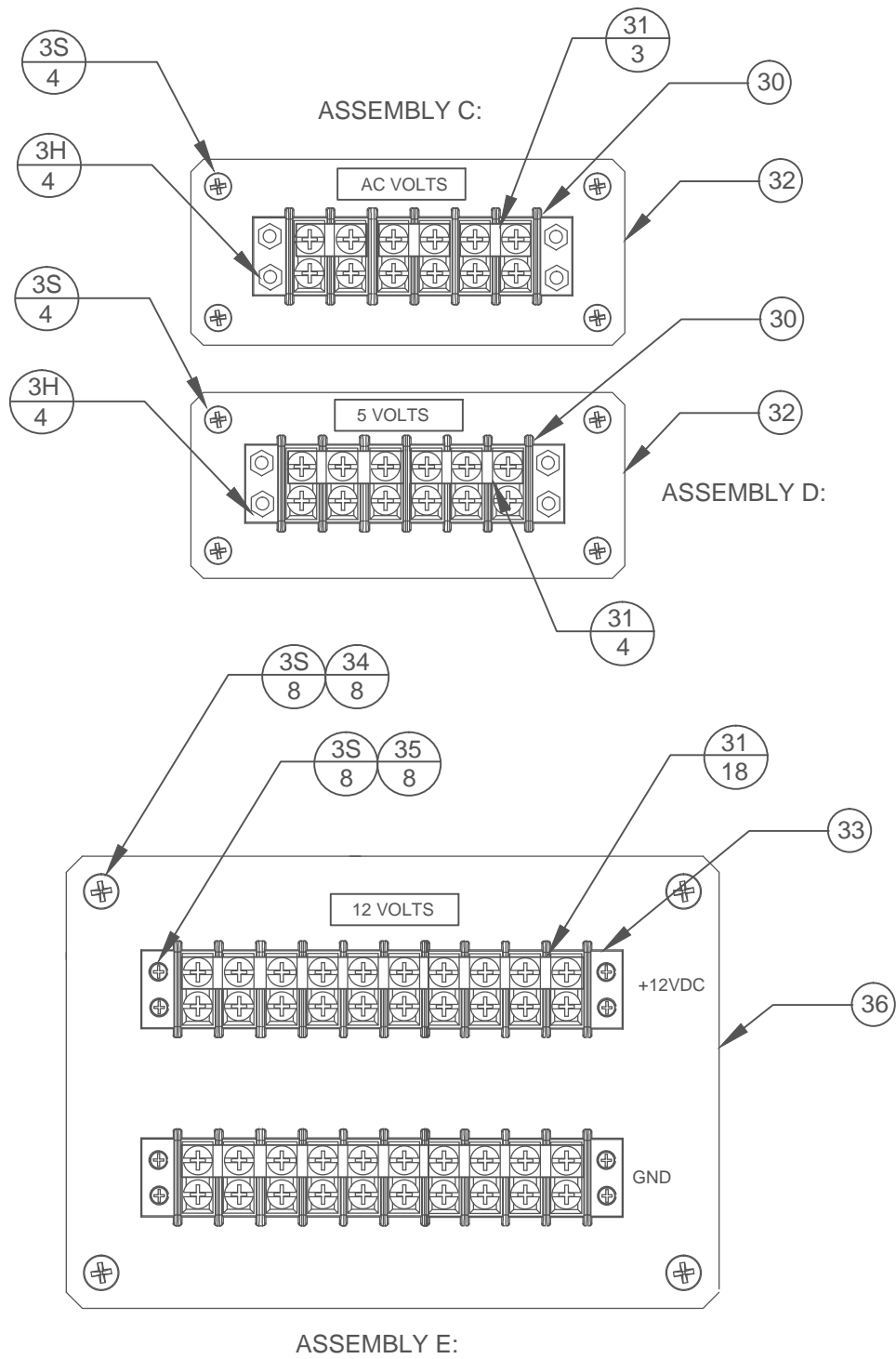
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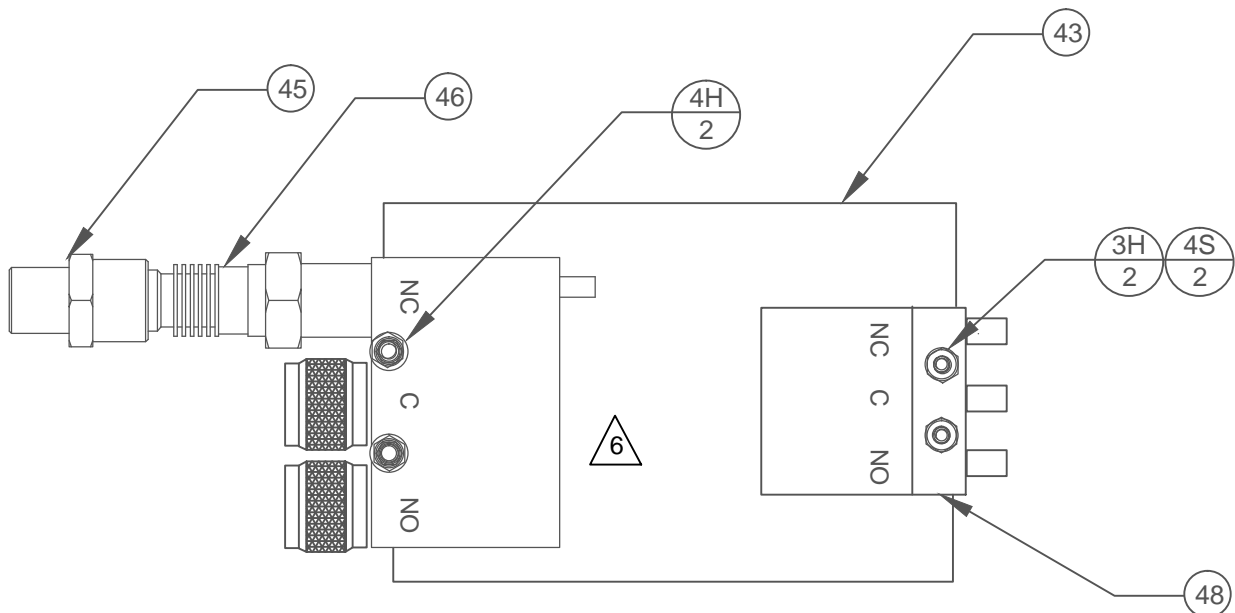


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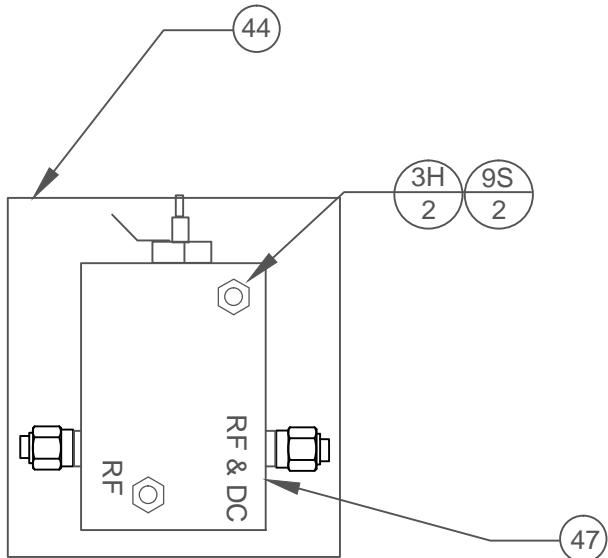


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ASSEMBLY G:

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