

2011-05-11 15:45:13 CR5000 828-2033-003 R b.johns1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	ECO-0326911	2011-05-11	K.H.

- NOTES:
- "T" DESIGNATES CIRCUIT CARD ASSEMBLY TOP SURFACE.
 - REFERENCE DESIGNATORS USED IN LIEU OF ITEM NUMBERS.
 - PARENTHETICAL INFORMATION IS FOR REFERENCE ONLY.
 - ITEM IDENTIFICATION BALLOONS DENOTE ITEM NUMBER OR ITEM NUMBER - QUANTITY.
 - UNLESS OTHERWISE SPECIFIED, ASSEMBLY SHALL BE IN ACCORDANCE WITH ITEM 5.
 - Z MAX DIMENSIONS, EXCLUDING CONNECTORS, PIN FIELDS, AND MECHANICAL HARDWARE:
 Z TOP SHALL BE 1.063
 Z BOTTOM SHALL BE .227
 MAXIMUM LEAD PROTRUSION SHALL BE .090
 - APPLY IDENTIFICATION MARKING IN APPROXIMATE LOCATION SHOWN, IN ACCORDANCE WITH ITEM 6, TYPE 2, CLASS II.
 - CAUTION: THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES, AND/OR ASSEMBLIES IDENTIFIED AS CLASS 1 IN ACCORDANCE WITH MIL-STD-1686. HANDLE IN ACCORDANCE WITH ITEM 4.
 ESD SYMBOL APPLIED BY PRINTED WIRING BOARD FABRICATION PROCESS.
 - THIS CIRCUIT CARD ASSEMBLY WILL BE TESTED AT A HIGHER LEVEL.
 - CONFORMAL COAT ASSEMBLY USING ITEM 10 IN ACCORDANCE WITH ITEM 8.
 HATCHED AREAS INDICATED SHALL BE FREE OF CONFORMAL COATING, AND SHALL APPROXIMATE SOLDER MASK CLEARANCE ON FAB BOARD.
 - ITEM 9 MAY BE UTILIZED ON THIS ASSEMBLY.
 - UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE EXPRESSED IN INCHES AND SHALL BE INTERPRETED IN ACCORDANCE WITH ASME Y14.5M-1994.
 - P1 AND ALL E DESIGNATORS ARE SHOWN FOR REFERENCE ONLY.
 - INSTALL ITEMS 18, 19 AND 40 PRIOR TO ITEM 49. BOND ITEM 40 USING ITEM 3 IN ACCORDANCE WITH ITEM 7.
 - INSTALL ONE LEAD OF L1 (PART OF ITEM 49) INTO E6 AND THE OTHER LEAD INTO E9. INSTALL ONE LEAD OF L2 (PART OF ITEM 49) INTO E8 AND THE OTHER LEAD INTO E10.
 - ABBREVIATIONS AND ACRONYMS NOT IN ACCORDANCE WITH ASME Y14.38:
 HIGH FREQUENCY SYSTEM (HFS)
 - INSTALL ITEM 50 IN ACCORDANCE WITH DETAIL E.

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY

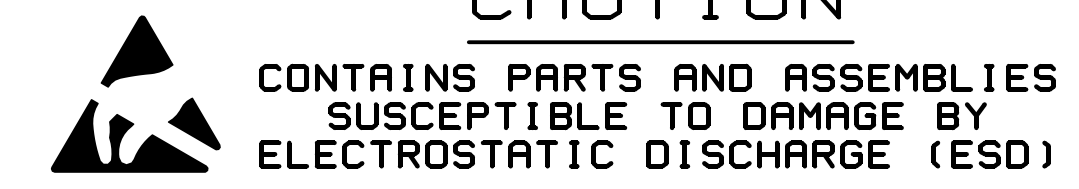
PARTS LIST CONTINUED ON THE FOLLOWING SHEET

QTY	ITEM NO	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	DOCUMENT NO	CAGEC	NOTES	REF DESIGNATOR
3	28	705-3541-320	RESISTOR, FIXED, 200 OHM, .25W, 5%				R130, 266, 278
3	27	705-3541-180	RESISTOR, FIXED, 51 OHM, .25W, 5%				R124, 139, 262
16	26	705-3234-290	RESISTOR, FIXED, 19.6K OHMS				R17, 19, 21-24, 50, 52, 76, 84, 92, 96, 134, 216, 217, 264
96	25	705-3233-660	RESISTOR, FIXED, 4750 OHMS				R2, 4, 6, 8, 37-39, 41, 87, 91, 95, 99, 129, 137, 156-158, 160-162, 164-201, 283-285, 288, 289, 292-294, 296-298, 304-308, 313, 314, 316-321, 323, 327-335, 337-340
14	24	705-3205-550	RESISTOR, 249K OHMS				R7, 10, 12, 14, 40, 42, 43, 45, 83, 86, 94, 98, 128, 136
16	23	705-3205-090	RESISTOR, 24.9K OHMS				R11, 13, 15, 16, 18, 20, 44, 46, 49, 51, 77, 85, 93, 97, 127, 135
4	22	705-2438-940	RESISTOR, 90.9K OHMS				R142, 143, 148, 149
9	21	705-2438-790	RESISTOR, 49.9K OHMS				R140, 145-147, 150-153, 155
8	20	705-2438-050	RESISTOR, 1K OHMS				R208-211, 322, 324-326
2	19	653-2953-001	SPACER - BOTTOM MOUNT, ARINC CONNECTOR		14		
1	18	653-1965-002	SPACER - MIDDLE MOUNT, ARINC CONNECTOR		14		
22	17	353-8133-090	DIODE, VOLTAGE REFERENCE				VR1-11, 23-33
6	16	353-0397-130	DIODE, ZENER				VR17, 20, 22, 46, 48, 49
4	15	351-3459-020	IC, MICROPROCESSOR				U4, 12, 13, 15
3	14	351-2939-010	INTERFACE IC, LINE DRIVER				U14, 16, 17
2	13	351-1392-180	ANALOG IC, OPERATIONAL AMPLIFIER				U10, 11
6	12	330-0803-690	SCREW, CAPTIVE ASSEMBLY				
10	11	184-6344-260	CAPACITOR, FIXED, 15uF, 25V				C88, 96, 100, 108, 110-112, 134, 140, 145
AR	10	821-0650-020	INSULATING COMPOUND, ACRYLIC		10		
REF	9	580-6520-001	STANDARD ASSY PRACTICES		11		
REF	8	580-5458-001	CONFORMAL COATING, ACRYLIC-BASED, APPLIC		10		
REF	7	580-5205-010	ADHESIVE/SEALANT PROCEDURE		14		
REF	6	580-1497-001	PROCESS, MARKING IDENT		7		
REF	5	523-0778764	RC WORKMANSHIP STD MANUAL		5		
REF	4	489-0004-001	PROCEDURE, ESD		8		
AR	3	005-3167-010	ADHESIVE, RTV-3145		14		
REF	2	828-7033-003	SCHEMATIC DIAGRAM				
1	1	826-0004-854	PRINTED WIRING BOARD				

THE TECHNICAL DATA IN THIS DOCUMENT (OR FILE) IS CONTROLLED FOR EXPORT UNDER THE EXPORT ADMINISTRATION REGULATIONS (EAR), 15 CFR PARTS 730-774. VIOLATIONS OF THESE EXPORT LAWS MAY BE SUBJECT TO FINES AND PENALTIES UNDER THE EXPORT ADMINISTRATION ACT.

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PARTS LIST		CONTRACT NO

		PREP S.KELAM 2011-05-11
		CHK B.JOHNSON 2011-05-11
983-9399-030	HFS-2200	APVD K.HAMBY 2011-05-11
NEXT ASSY	USED ON	ALL SHEETS ARE THE SAME REVISION STATUS
APPLICATION		THIRD ANGLE PROJECTION

ROCKWELL COLLINS

CIRCUIT CARD ASSEMBLY
REAR INTERCONNECT

SIZE	CAGEC	DWG NO	REV
D	OEFDO	828-2033-003	A
SCALE	NONE		SHEET 1 OF 10

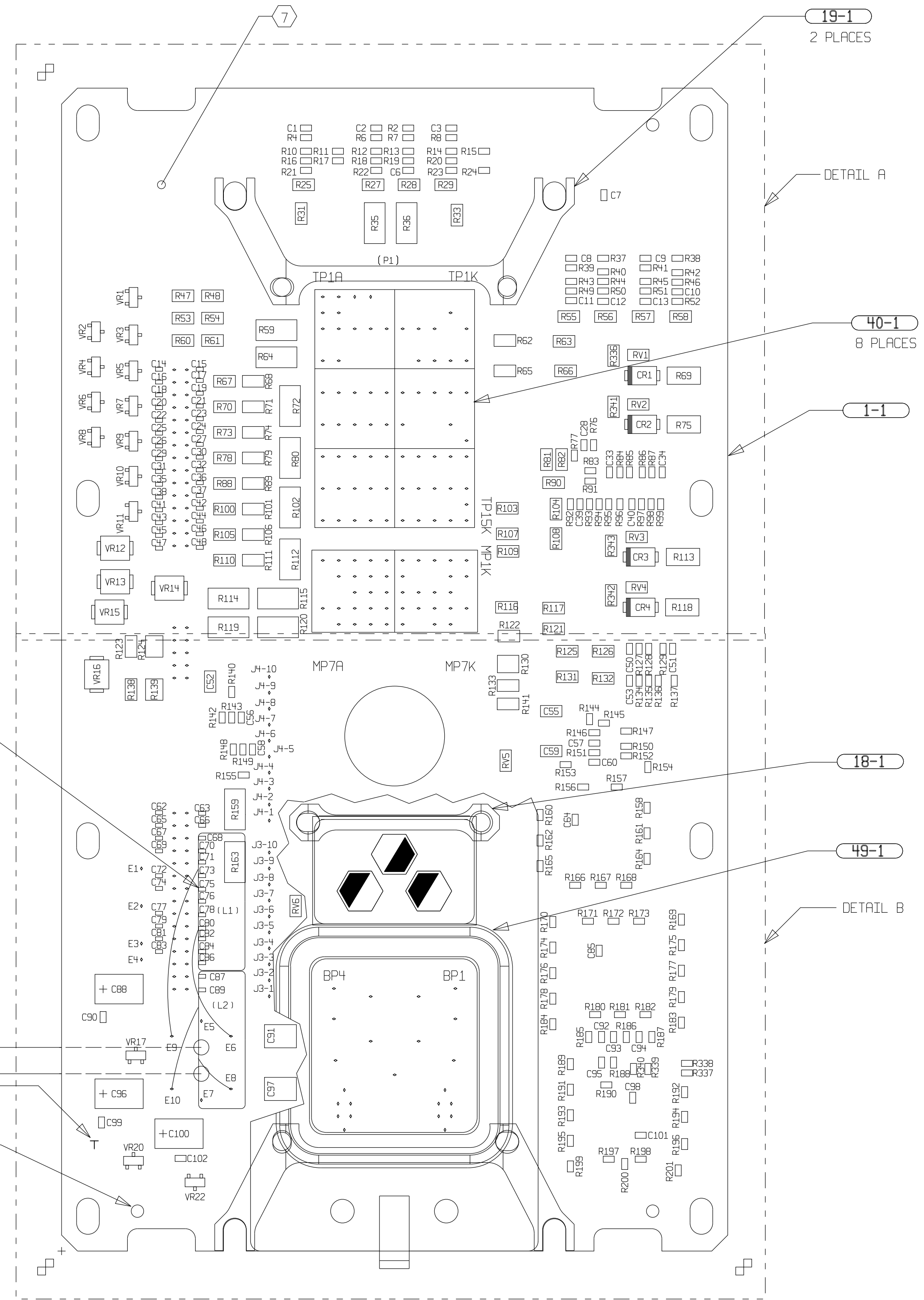
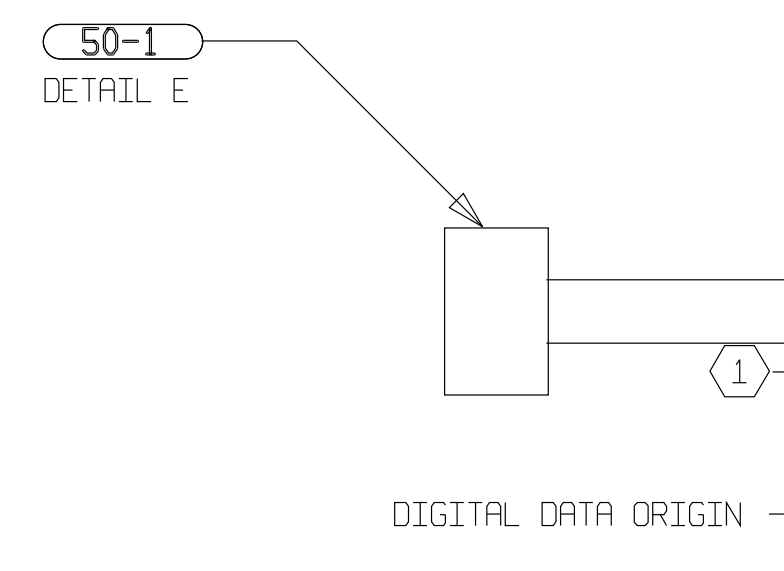
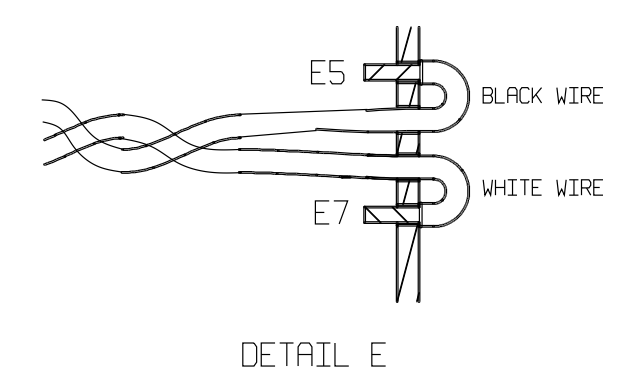
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QTY	ITEM NO	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	DOCUMENT NO	CAGEC	NOTES	REF DESIGNATOR
	1	50	983-9395-017	CABLE ASSEMBLY, POWER		17	
	1	49	983-9395-006	CONNECTOR, ARINC		14, 15	
	1	48	983-9395-005	CABLE ASSEMBLY, MULTI-CONDUCTOR W5			
	1	47	983-9395-004	CABLE ASSEMBLY, MULTI-CONDUCTOR W4			
	4	46	913-3072-040	CAPACITOR, 0.1uF			C52, 55, 59, 113
	75	45	913-3067-150	CAPACITOR, 0.1uF			C1-3, 6-13, 28, 33, 34, 39, 40, 50, 51, 53, 64, 85, 90, 92-95, 98, 99, 101-107, 114-133, 135-139, 141-144, 146-156
	2	44	913-3063-300	CAPACITOR, 270pF			C56, 58
	55	43	913-3059-170	CAPACITOR, 22pF			C14-27, 29-32, 35-38, 41-48, 62, 63, 65-84, 86, 87, 89
	4	42	913-0868-020	CAPACITOR, 1000pF			C91, 97, 350, 351
	2	41	913-0865-760	CAPACITOR, 470pF			C57, 60
	8	40	852-0008-040	SHIELDING PLATE, FERRITE		14	
	16	39	844-0103-010	SEMICOND DVC, DIODE			VR12-16, 34-44
	20	38	844-0077-010	DIODE, RECTIFIER			CR1-4, 6, 8-20, 22, 23
	4	37	843-7047-020	SEMICONDUCTOR, TRANSISTOR			Q1-4
	8	36	835-0094-010	IC, LINEAR			U1-3, 5-9
	4	35	833-6014-130	RESISTOR, 33 OHMS			R69, 75, 113, 118
	8	34	714-1680-050	RESISTOR, VOLTAGE DEPENDENT			RV1-6, 8, 9
	58	33	705-3621-120	RESISTOR, FIXED, 18 OHM, 1W, 10%			R35, 36, 59, 64, 72, 80, 102, 112, 114, 115, 119, 120, 159, 163, 212, 213, 224, 227, 230-232, 235, 236, 239, 244, 245, 250, 251, 254-257, 260, 261, 267, 269, 270, 275-277, 279-281, 286, 287, 290, 291, 295, 299-303, 309-312, 315
	14	32	705-3621-110	RESISTOR, FIXED, 51K OHM, .33W, 1%			R25, 27-29, 55-58, 82, 104, 117, 121, 265, 268
	80	31	705-3621-100	RESISTOR, FIXED, 5.6K OHM, .33W, 1%			R31, 33, 47, 48, 53, 54, 60-63, 65-68, 70, 71, 73, 74, 78, 79, 81, 88-90, 100, 101, 103, 105-111, 116, 122, 123, 125, 126, 131-133, 138, 141, 203-205, 207, 214, 215, 218-223, 225, 226, 228, 229, 233, 234, 237, 238, 240-243, 246-249, 252, 253, 258, 259, 263, 271, 273, 274
	4	30	705-3613-040	RESISTOR, FIXED, 10 OHM, .1W, 1%			R144, 154, 272, 282
	4	29	705-3543-020	RESISTOR, 0.0 OHM			R336, 341-343
PARTS LIST							

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SIZE D	CAGEC OEFDO	DWG NO 828-2033-003	REV A
SCALE NONE	SHEET 2		

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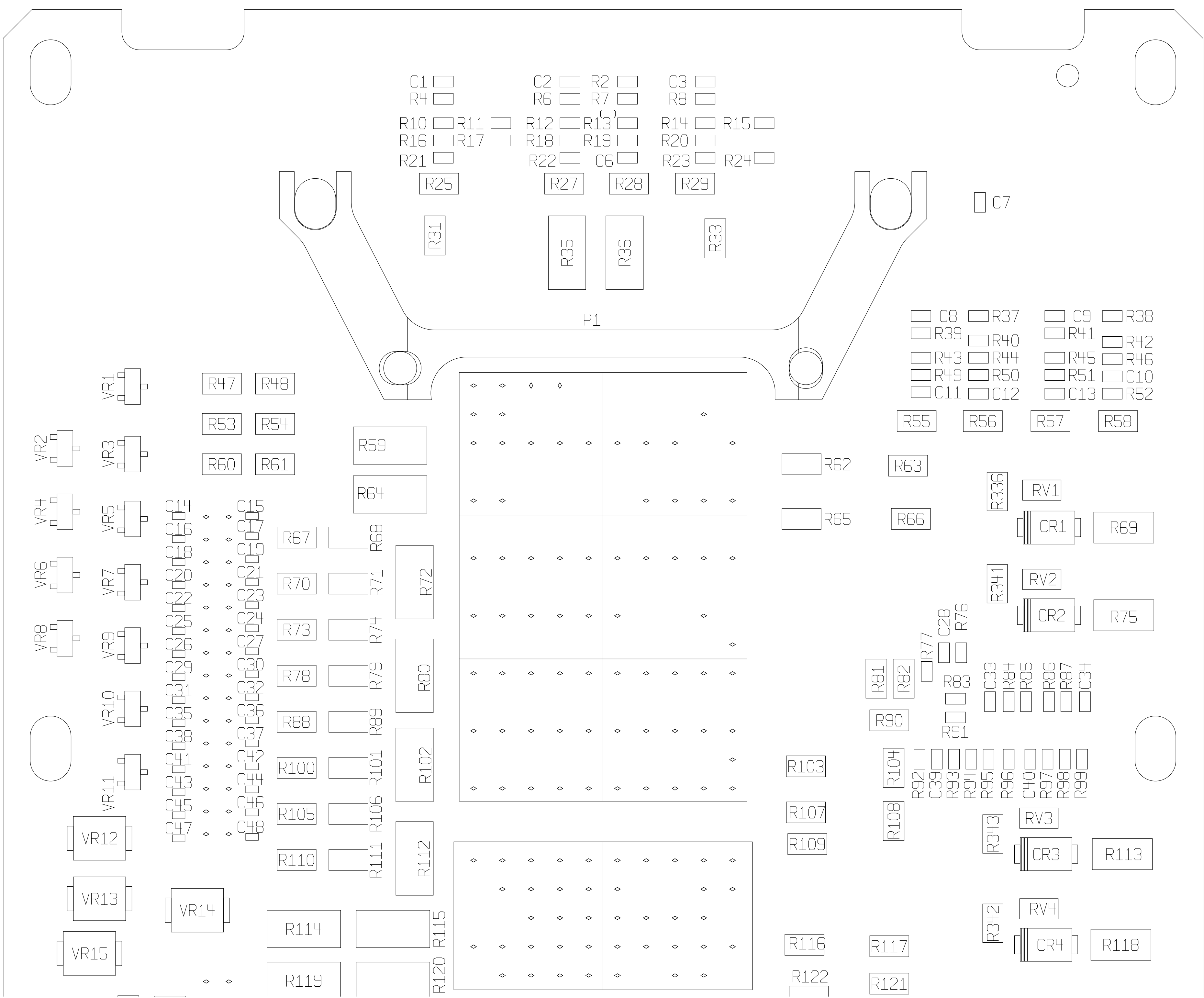


COMPONENTS TOP

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SIZE D	CAGEC OEFDO	DWG NO 828-2033-003	REV A
SCALE NONE	SHEET 3		

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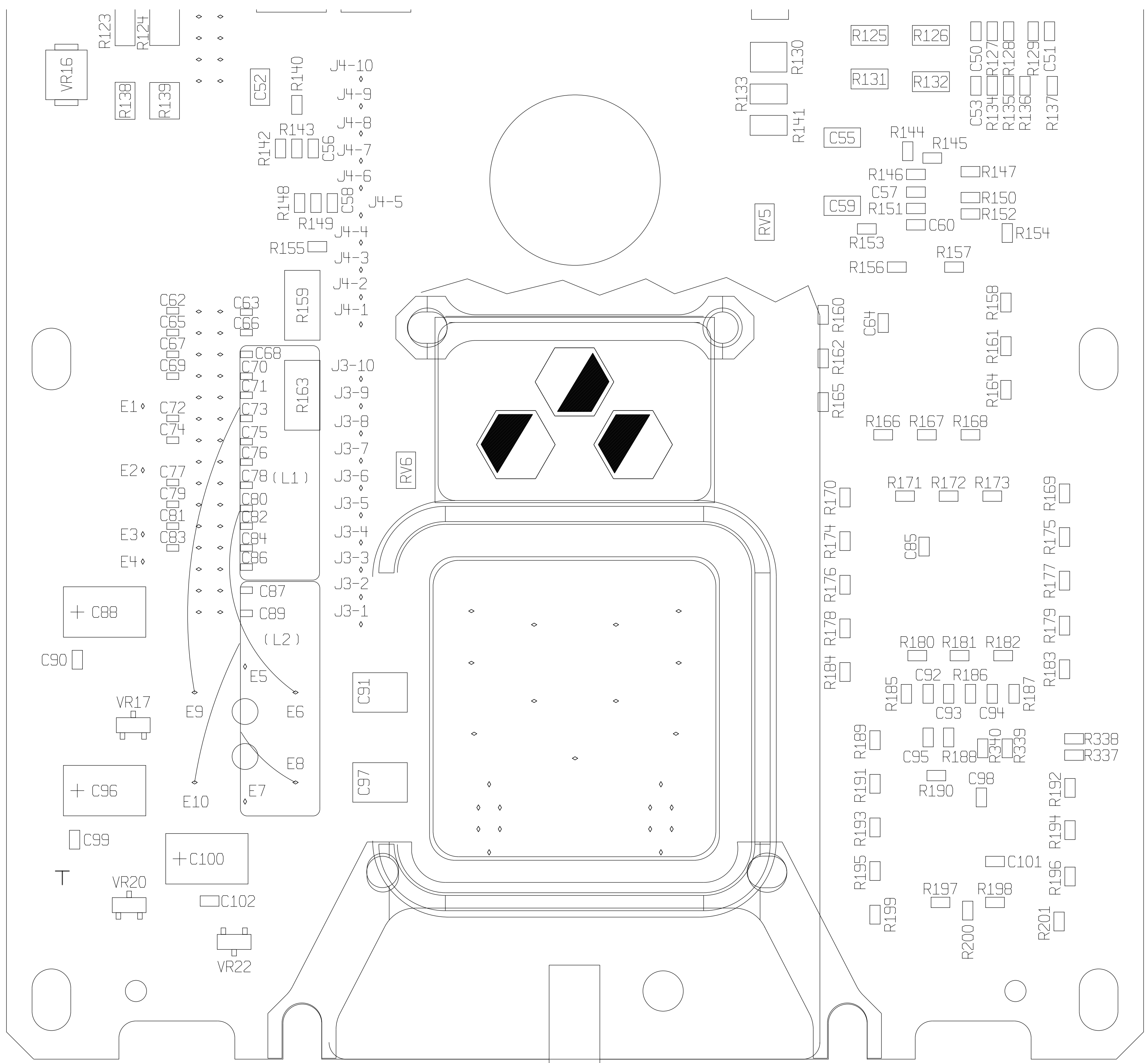


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DETAIL A

SIZE D	CAGEC OEFDO	DWG NO 828-2033-003	REV A
SCALE NONE		SHEET 4	

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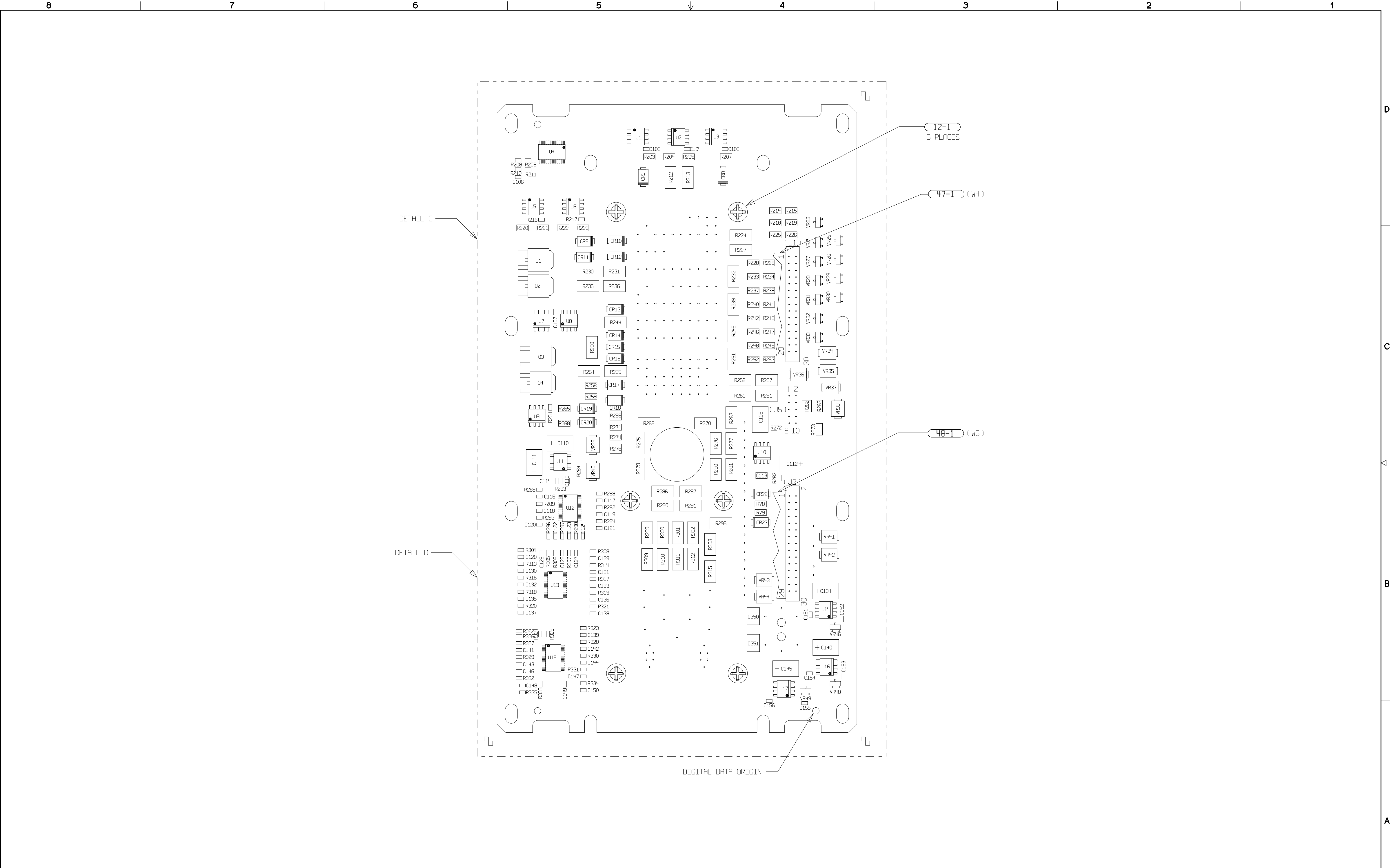
DETAIL B

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SIZE D	CAGEC OEFDO	DWG NO 828-2033-003	REV A
SCALE NONE	SHEET 5		

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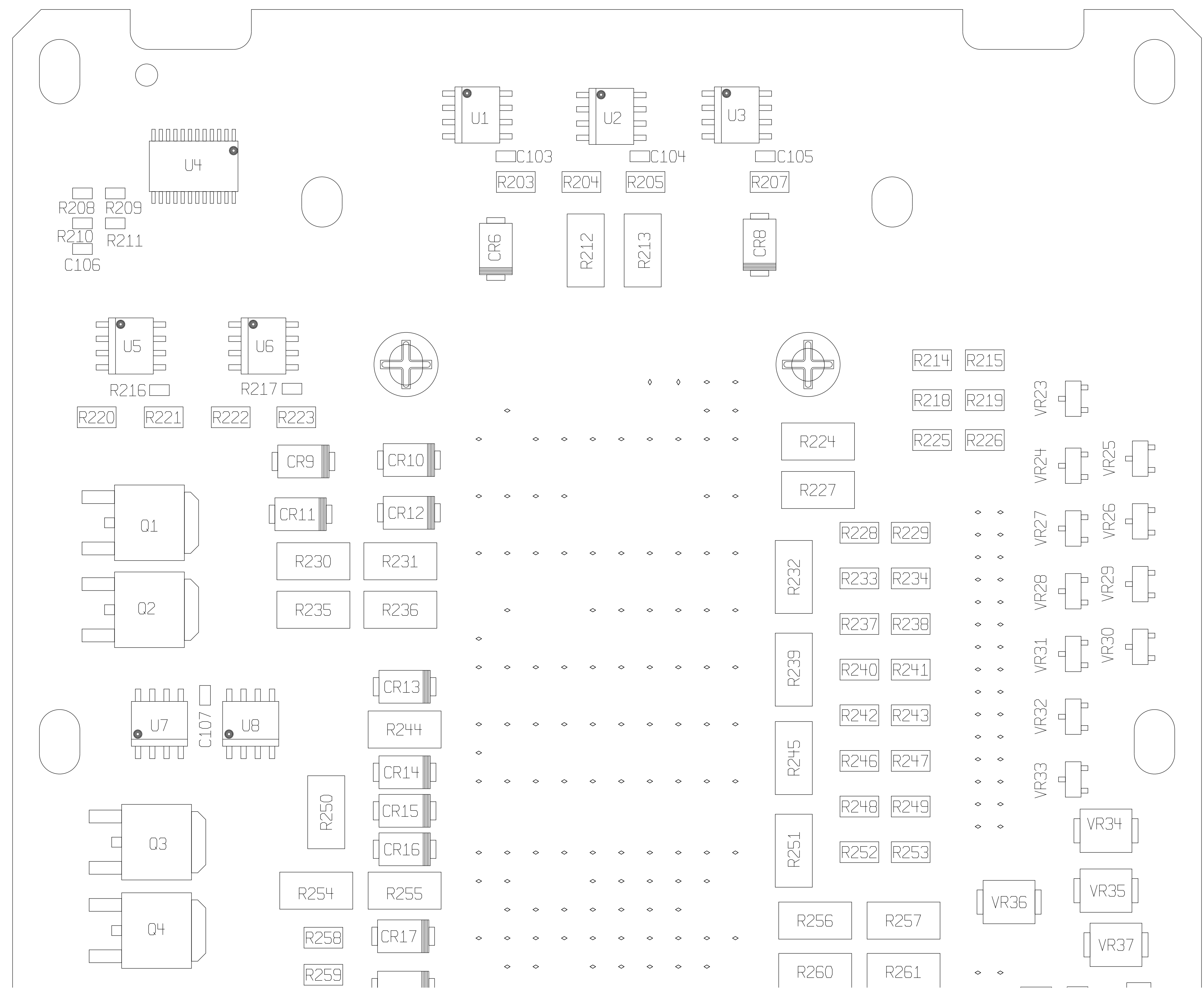


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COMPONENTS BOTTOM

SIZE D	CAGEC OEFD0	DWG NO 828-2033-003	REV A
SCALE NONE	SHEET 6		

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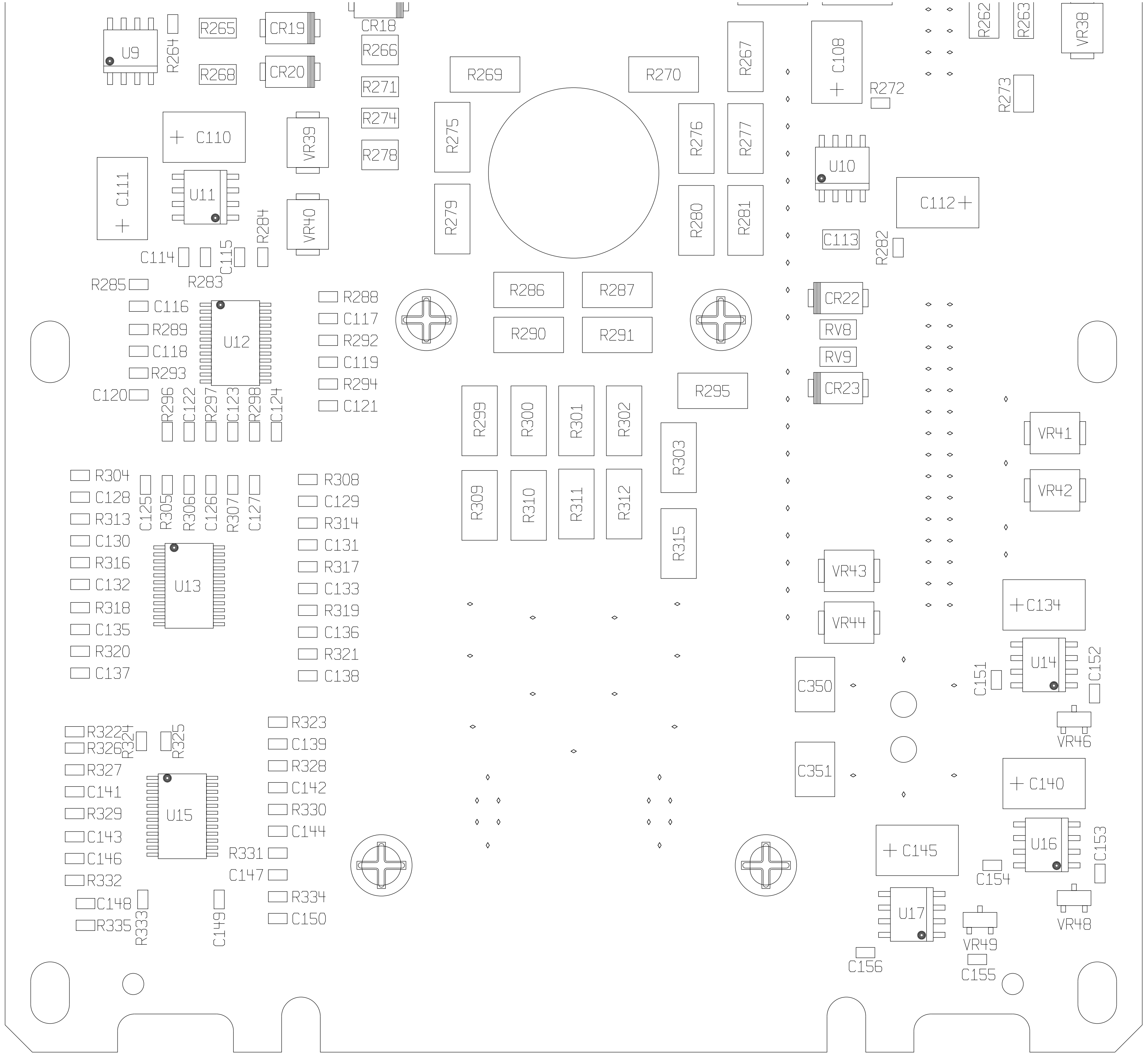


DETAIL C

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SIZE D	CAGEC OEFDO	DWG NO 828-2033-003	REV A
SCALE NONE	SHEET 7		

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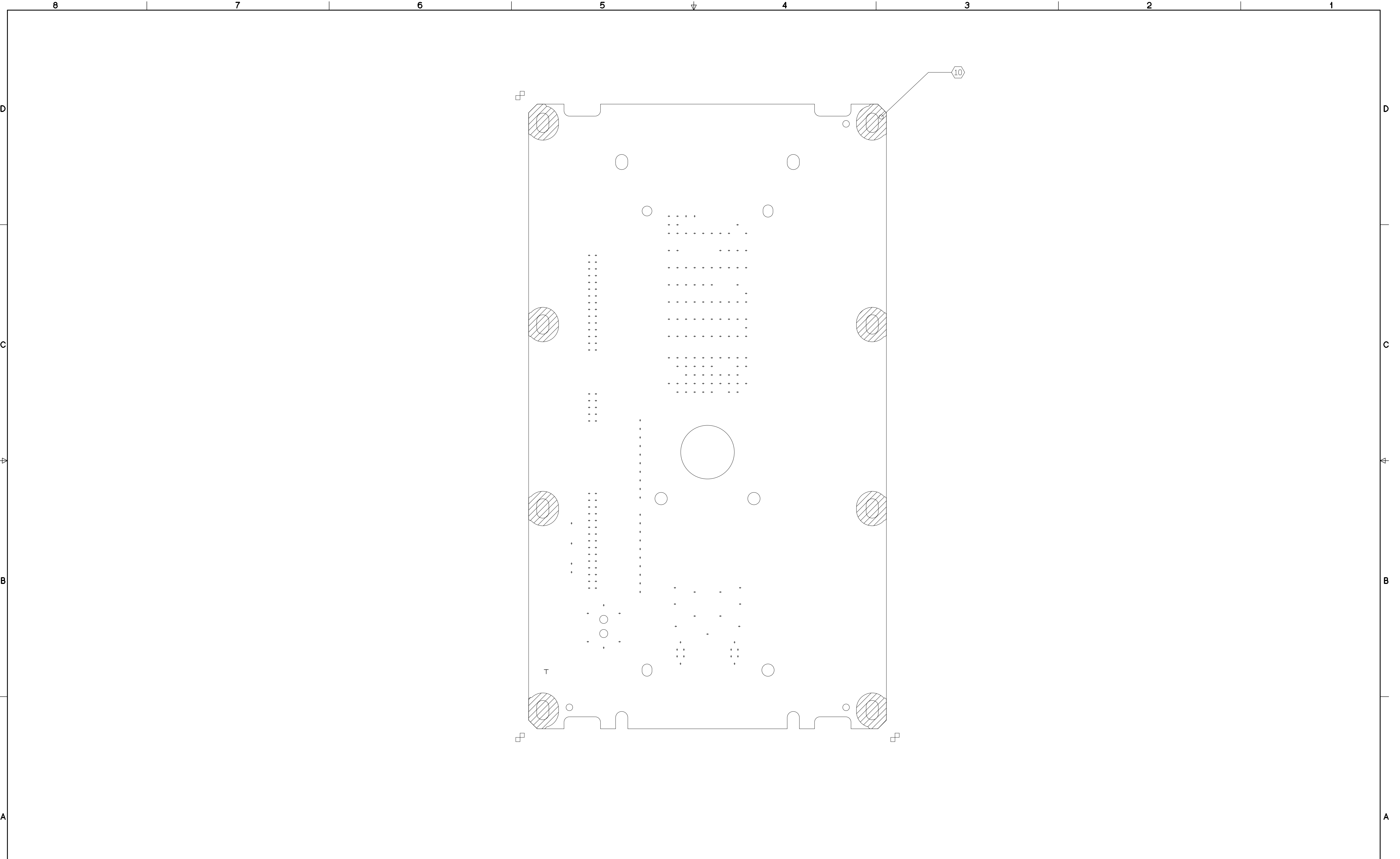


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DETAIL D

SIZE D	CAGEC OEFDO	DWG NO 828-2033-003	REV A
SCALE NONE		SHEET 8	

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CONFORMAL COAT TOP

SIZE D	CAGEC OEFDO	DWG NO 828-2033-003	REV A
SCALE NONE	SHEET 9		

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C

B

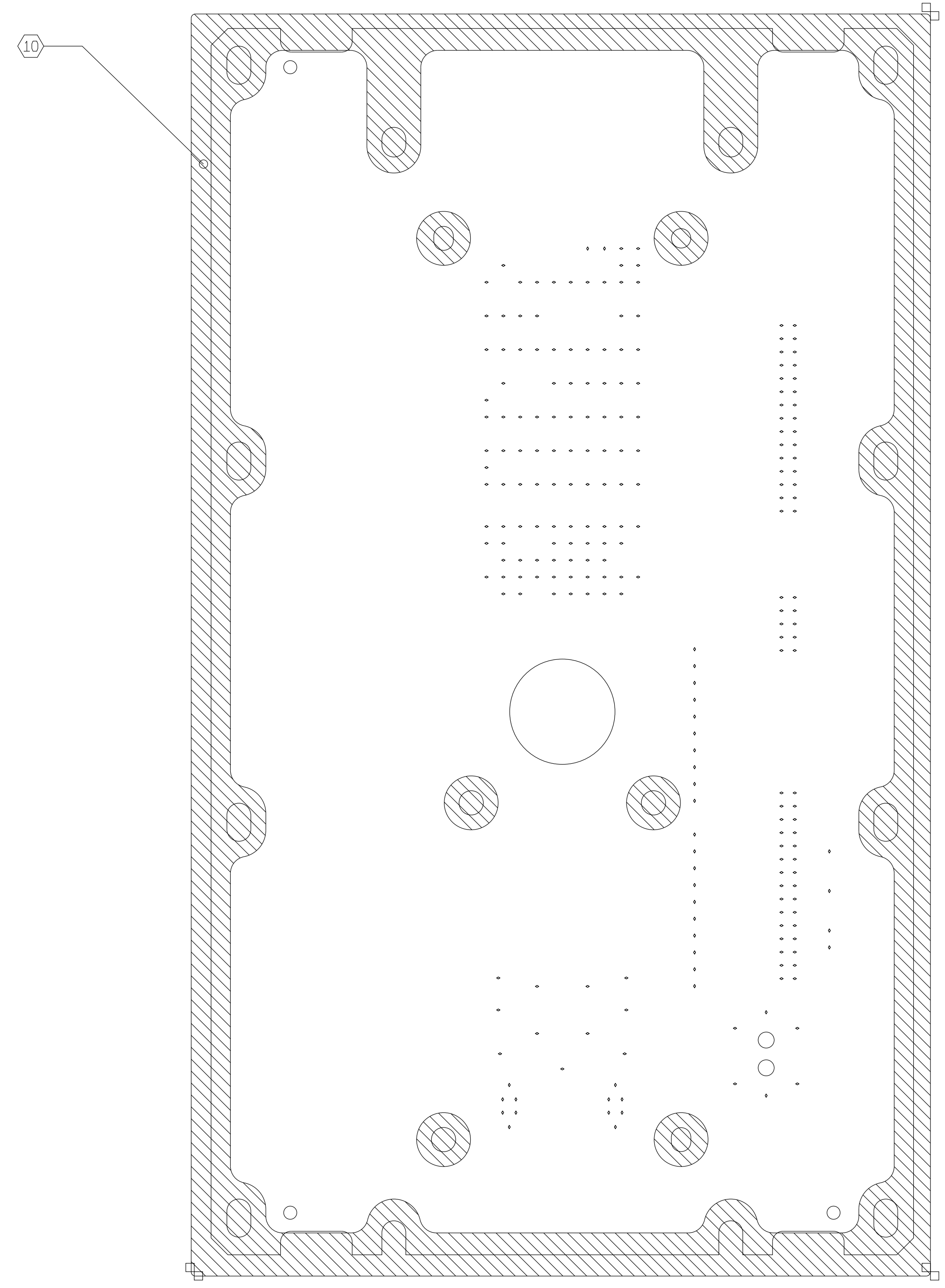
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CONFORMAL COAT BOTTOM

SIZE D	CAGEC OEFDO	DWG NO 828-2033-003	REV A
SCALE NONE	SHEET 10		

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