

- NOTES:
1. PARENTHEICAL ITEM IDENTIFICATION DENOTES (ITEM FIND NO. - 011).
 2. REFERENCE DESIGNATORS ARE USED IN LIEU OF ITEM FIND NUMBERS.
 3. 580-6520-001 MAY BE UTILIZED ON THIS ASSEMBLY.
 4. TO BE TESTED AT A HIGHER LEVEL.
 5. SOLDER PER COMMERCIAL REQUIREMENTS (580-5178-000).
 6. MAXIMUM Z TOP DIMENSION SHALL NOT EXCEED 0.670.
MAXIMUM Z BOTTOM DIMENSION SHALL NOT EXCEED 0.180.
 7. MARK REV LETTER FOLLOWING THE APPROPRIATE LETTERS REV PER 839-0497-001.
ASSEMBLY IDENTIFIED BY APPLICATION OF MARKING REQUIREMENTS ON FAB PART.
 8. MAXIMUM LEAD PROTRUSION TO BE .060.
 9. "T" DESIGNATES BOARD TOP SURFACE.
 10. PER MANUFACTURING, PROJECT OR CONTRACT REQUIREMENTS,
MARK THE MANUFACTURING CONTROL NUMBER FOLLOWING THE
LETTERS NON PER 839-0497-001.
 11. CAUTION: THIS ASSEMBLY CONTAINS ELECTROSTATIC SENSITIVE
DEVICES. HANDLE PER 483-0004-001. IDENTIFY PER 580-6535-001.
LOCATE ITEM 11 APPROXIMATELY AS SHOWN.
 12. POSTCOAT TOP AND BOTTOM SIDES PER 580-5158-001.
CROSSHATCHED AREAS TO BE FREE OF POSTCOAT, TOP AND BOTTOM.
 13. ALL JUMPER WIRE, IF APPLICABLE, IS 30 GAUGE ETCHED TEFLON INSULATED WIRE,
U.O.S. BOND WIRE(S) TO BOARD PER 580-5573-001. ROUTING OF JUMPERS
OPTIONAL U.O.S.
 14. DESIGNATORS E1 - E23 ARE FOR REFERENCE ONLY.
 15. INSTALL ITEM 157 FROM SIDE SHOWN. SOLDER TO ITEM 1 ON OPPOSITE
SIDE.
 16. BOND C122 ON TOP C121; C124 ON TOP C125; R137 ON TOP R129; R138 ON TOP R124
USING ITEM 158 PER 839-0507-001.
 17. IF ITEM 122 REQUIRES REMOVAL, USE 200 DEGREES C MAX. HOT AIR
OR 200 DEGREES C MAX. IRON.
 18. REMOVE SOLDER MASK AND COPPER IN CROSSHATCHED AREAS INDICATED ON SHEET 5.
 19. TRIM LEADS OF ITEM 33 FLUSH TO .015 FROM BOARD.
 20. LAP SOLDER WHERE INDICATED BY 4.
 21. REMOVAL SHALL CONFORM TO PROCESS REQUIREMENTS.
 22. USE ITEM 155 FOR JUMPER NUMBER 1. TRIM AS REQUIRED.
 23. BOND ITEM 164 TO ITEM 166 USING ITEM 158 PER 839-0507-001.
 24. LEADS OF ITEMS 12 AND 156 MAY NOT MEET MINIMUM 25% SOLDER FILLET
REQUIREMENT.
 25. SOLDER FILLET NOT REQUIRED UNDER HEEL OF LEAD INDICATED FOR ITEM 2.

SCHEMATIC AND FAB BOARD APPLICABILITY REF. TABLE				
SCHEMATIC	ALT LTR	FAB BOARD	ALT LTR	EXT CARD ASSY

828-8773-002	-	826-0007-904	-	828-3373-002	-
828-8773-002	A	826-0007-904	-	828-3373-002	A
828-8773-002	B	826-0007-904	-	828-3373-002	B
828-8773-002	B	826-0007-904	-	828-3373-002	C

		REVISIONS									
LTN	DESCRIPTION	DATE	BY	LTN	DESCRIPTION	DATE	BY	LTN	DESCRIPTION	DATE	BY
A	RL4739	05/08/2001	MS								
B	RW9303	07/10/2001	N.S.								
C	RHS535	08/29/2001	C.F.								

2	94 833-6526-340	RESISTOR, 22.1	16	R124, 138	11	96 705-2438-050	RESISTOR, 1 k	R101, 245-250, 310, 311
2	93 833-6083-120	RESISTOR, 0.05		R135, 136				337, 427
1	92 833-4004-990	RESISTOR, 100		R436	2	95 705-2437-960	RESISTOR, 825	R116, 318
1	91 833-4004-980	RESISTOR, 121		R437	7	94 705-2437-940	RESISTOR, 681	R111, 403, 405, 407, 409
1	90 833-4004-940	RESISTOR, 9.09		R131				413, 424
1	89 833-4004-690	RESISTOR, 2.74		R132	1	93 705-2437-810	RESISTOR, 332	R213
1	88 833-4004-230	RESISTOR, 0.287		R133	2	92 705-2437-660	RESISTOR, 200	R312, 423
1	87 833-4004-010	RESISTOR, 0.1		R134	12	91 705-2437-480	RESISTOR, 100	R115, 120, 125, 126, 216
1	86 833-1004-080	RESISTOR, 20 k		R101				234-236, 416, 420
REF	85 828-8773-002	SCHEMATIC			1	90 705-2437-300	RESISTOR, 51.1	R323
1	83 714-1687-090	THERMISTOR, 10 k		RT101	3	89 705-2437-280	RESISTOR, 47.5	R119, 129, 322
1	82 705-3517-570	RESISTOR, 2.2 k		R106	1	88 705-2437-250	RESISTOR, 39.2	R321
1	80 705-3205-160	RESISTOR, 36.5 k		R432	2	87 705-2437-230	RESISTOR, 33.2	R325, 327
1	79 705-3205-110	RESISTOR, 27.4 k		R231	1	86 705-2437-110	RESISTOR, 16.2	R320
2	78 705-3205-020	RESISTOR, 18.2 k		R302, 303	4	85 705-2437-050	RESISTOR, 10	R130, 315, 330, 331
2	77 705-3204-650	RESISTOR, 3.92 k		R103, 919	1	84 705-2437-010	RESISTOR, 0	R435
1	76 705-3204-560	RESISTOR, 2.74 k		R430	1	83 572-7577-040	CONN, ELEC	J2
4	75 705-3204-460	RESISTOR, 1.82 k		R118, 402, 404, 416	1	82 353-8135-040	DIODE, 1N4001	CR203
2	74 705-3204-140	RESISTOR, 392		R316, 319	1	81 353-8135-030	DIODE, 1N4000	CR102
2	73 705-2433-980	RESISTOR, 150		R329, 333	1	80 353-8135-250	DIODE, 5M1270-079	CR301
1	72 705-2433-740	RESISTOR, 37.4		R335	3	79 352-3114-010	TRANSISTOR, 2N907	Q103, 205, 206
1	71 705-2433-660	RESISTOR, 27.4		R324	7	78 352-3113-010	TRANSISTOR, 2222A	Q102, 201-203, 208, 209
1	70 705-2433-590	RESISTOR, 22.1		R326				408
1	69 705-2433-380	RESISTOR, 1 M		R328	1	77 352-1302-380	TRANSISTOR, UP4633TF	U307
1	68 705-2433-190	RESISTOR, 332 k		R438	1	76 352-1302-370	TRANSISTOR, NZT558	Q101
1	67 705-2433-110	RESISTOR, 200 k		R425	1	75 352-1302-070	TRANSISTOR, MPT390614U1	U404
5	66 705-2433-050	RESISTOR, 150 k		R105, 411, 414, 426, 439	1	74 351-3605-350	IC, LM6511LM	U102
10	65 705-2433-950	RESISTOR, 100 k		R209, 210, 214, 217, 219	1	73 351-3605-090	IC, LM2937TNP-3.3	U206
				225, 226, 233, 417, 426	1	72 351-3604-960	IC, 74VHC123A	U103
				R121	1	71 351-3604-950	IC, 74VHC04	U101
1	64 705-2438-550	RESISTOR, 16.2 k		R412, 415	2	70 351-3604-860	IC, AD8240AR-14	U203, 204
2	63 705-2438-860	RESISTOR, 68.1 k		R301, 333, 424	1	69 351-3604-400	IC, AD8001AR	U202
2	62 705-2438-010	RESISTOR, 56.2 k		R332	1	68 351-3604-330	IC, AD1582ERT	U201
1	61 705-2438-780	RESISTOR, 47.5 k		R431	1	67 351-3603-820	IC, TRF2050	U301
1	60 705-2438-740	RESISTOR, 39.2 k		R114	2	66 351-1392-180	IC, 062	U205, 401
1	59 705-2438-680	RESISTOR, 30.1 k		R104, 109, 205, 229, 230	7	65 306-2721-010	TESTPOINT	TP101-106, 401
6	58 705-2438-590	RESISTOR, 20 k		232	1	64 293-1517-020	FILTER, BANDPASS, SAW	FL401
				R102, 110, 239, 242-244	1	63 289-4451-010	L700 MHz	X301
				304, 336, 421, 433	1	62 280-2745-040	LABEL, ESD	11
				R204, 207, 220, 222, 227	1	61 240-2355-030	COIL, 470	L104
5	55 705-2438-430	RESISTOR, 9.09 k		R307, 308	4	60 240-2347-010	FERRITE, CHIP	ZP101-104
2	54 705-2438-350	RESISTOR, 5.11 k		R107, 313	2	59 240-2315-190	COIL, 22 nH	L303, 304
2	53 705-2438-260	RESISTOR, 3.32 k		R305, 306	1	58 240-2315-120	COIL, 10 nH	L302
2	52 705-2438-210	RESISTOR, 2.49 k		R108, 117	1	57 240-0123-130	COIL, 82 nH	L401
2	51 705-2438-180	RESISTOR, 2.21 k		R113, 201-203, 240, 241	1	56 184-0401-170	CAPACITOR, 100	C107
7	50 705-2438-160	RESISTOR, 2 k		339	2	55 183-1543-020	CAPACITOR, 47	C113, 118
				R309	1	54 183-1543-010	CAPACITOR, 68	C117
1	49 705-2438-120	RESISTOR, 1.62 k		R314, 317	2	53 183-1504-430	CAPACITOR, 120	C120
2	48 705-2438-110	RESISTOR, 1.5 k		R112, 122	1	52 826-0007-904	PHB	

PARTS LIST CONTINUED ON PAGE 2

1	115 844-0068-010	IC, MSMS-2805	U405
3	114 844-0022-010	DIODE, MSMS-2800	CR204, 401, 402
2	113 843-9128-010	TRANSISTOR, MMT5550	Q105, 106
2	112 843-7043-040	TRANSISTOR, 1RFS4045	Q107, 108
6	111 843-1002-020	TRANSISTOR, BF992	Q401-406
1	110 835-0358-040	IC, LTI175158-5	U402
1	109 835-0355-050	IC, L129	U306
2	108 835-0355-030	IC, LTI129158	U305, 403
1	107 835-0353-100	IC, UPC27117B	U303
1	106 835-0233-080	IC, UPC27087B	U304
1	105 835-0041-010	IC, 833	U302
1	104 834-5086-410	CAPACITOR, 0.0022	C303
1	103 834-5005-990	CAPACITOR, 1	C109
1	102 834-2009-200	CAPACITOR, 22	C126
4	101 834-2008-200	CAPACITOR, 10	C431, 433, 447, 449
5	100 834-2008-190	CAPACITOR, 10	C223, 335, 336, 356, 358
2	99 834-2008-140	CAPACITOR, 4.7	C116, 211
1	98 834-2008-100	CAPACITOR, 2.2	C466
4	97 834-2008-070	CAPACITOR, 1	C214, 302, 305, 363
2	96 833-6526-660	RESISTOR, 47.5	R127, 128
2	95 833-6526-640	RESISTOR, 45.3	R123, 137

QTY/ITEM	PART OR IDENT NO.	DESCRIPTION OR IDENTIFICATION	NOTES	REF DESIGNATORS
PARTS LIST (US CUSTOMARY MEASUREMENTS ONLY)				

QTY/ITEM	PART OR IDENT NO.	DESCRIPTION OR IDENTIFICATION	NOTES	REF DESIGNATORS
PARTS LIST (US CUSTOMARY MEASUREMENTS ONLY)				

QTY/ITEM	PART OR IDENT NO.	DESCRIPTION OR IDENTIFICATION	NOTES	REF DESIGNATORS
PARTS LIST (US CUSTOMARY MEASUREMENTS ONLY)				

ROCKWELL COLLINS, INC 440 COLLINS ROAD NE, CEDAR RAPIDS, IOWA 52405	
PREP BY: LUTZ CHK: J. LUTZ	CIRCUIT CARD ASSEMBLY, MODULATOR/IF SYNTH
ENG: C. FOF REV: 1	TITLE: 44V792 QTY: 828-3373-002 SCALE: NONE SHEET: 1 OF 3

4	169	705-2427-060	RESISTOR, 475		P006,400,410,429
1	168	849-0025-030	COIL, 0.15		L407
1	167	913-0885-880	CAPACITOR, 43 pF		C406
1	166	628-7676-013	INSULATOR	23	
0,01	165	430-1002-000	WIRE, FLAT (FT)	22	
1	164	833-6726-010	RESISTOR, 1 k	23	R224
3	163	310-0275-000	WASHER, LOCK		
3	162	310-0740-060	WASHER, FLAT		
3	161	343-0124-000	SCREW, .086x.56x.25		

QTY	ITEM INO.	PART OR IDENT NO.	NOMENCLATURE OR DESCRIPTION	NOTES	REF DESIGNATORS
PARTS LIST (US CUSTOMARY MEASUREMENTS ONLY)					

400 COLLINS ROAD NE., CEDAR RAPIDS IOWA, 52499

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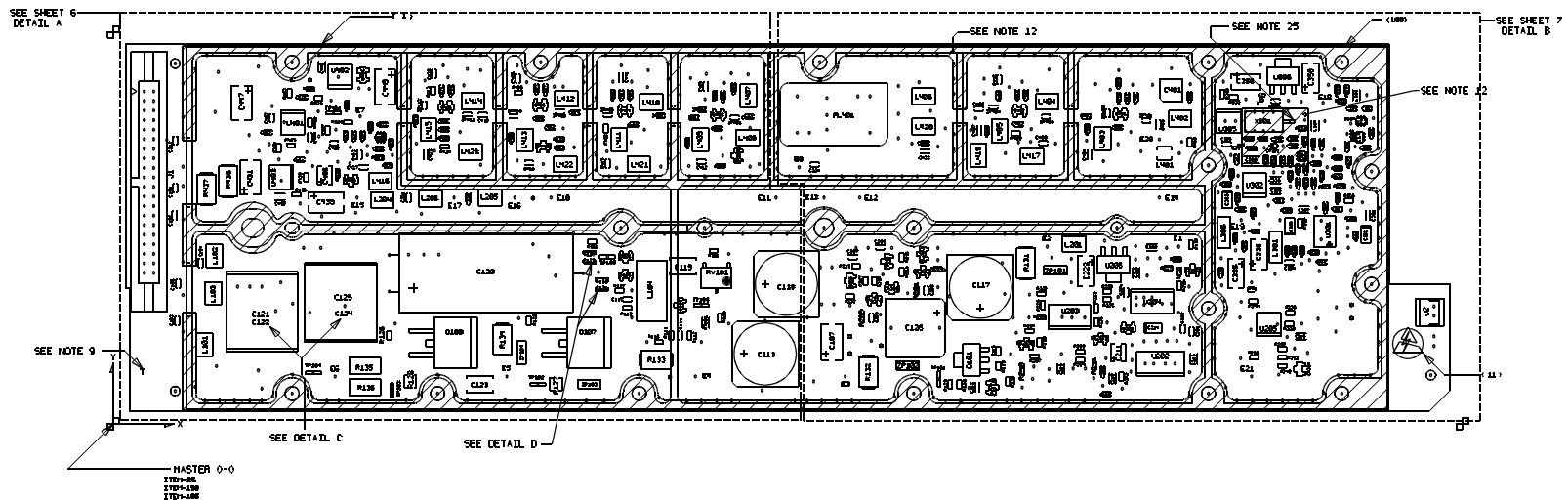
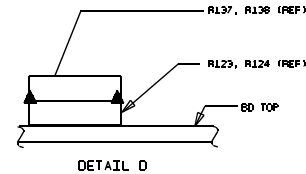
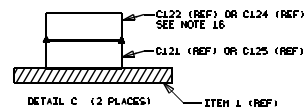
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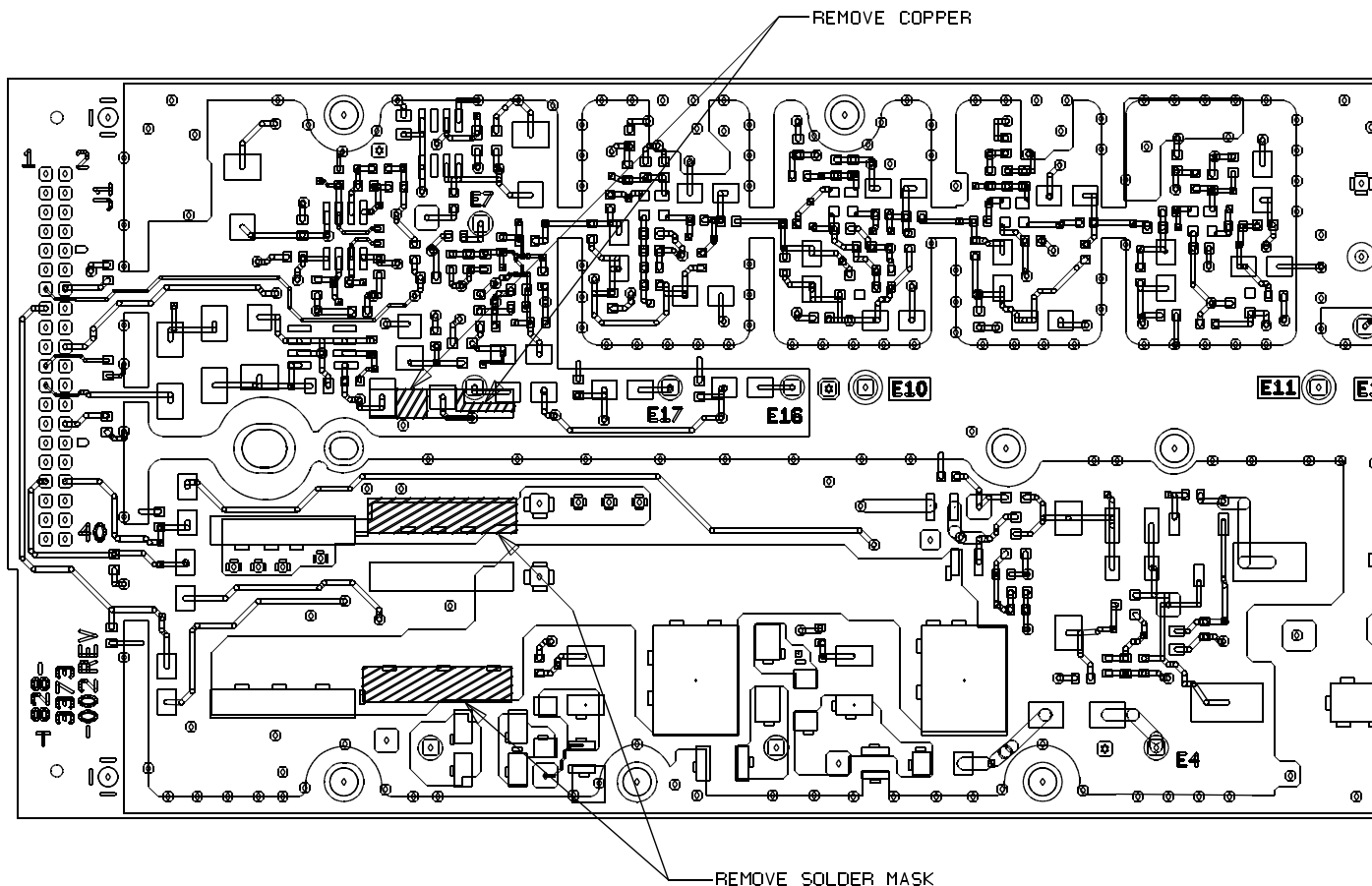
ROCKWELL COLLINS, INC

1000 COLLINS ROAD NE, CEDAR RAPIDS IOWA, 52408

PREP P. LUTZ	DATE 12-SEP-2001	DWG NO. 828-3373-002	REV LTR C
CHK J. LUTZ	SCALE NONE	SHEET 3	

ROCKWELL PROPRIETARY INFORMATION.

DIGITAL DATA ONLY, NO PAPER TRACING.



SOLDERMASK AND COPPER REMOVAL
TOP

ROCKWELL PROPRIETARY INFORMATION.

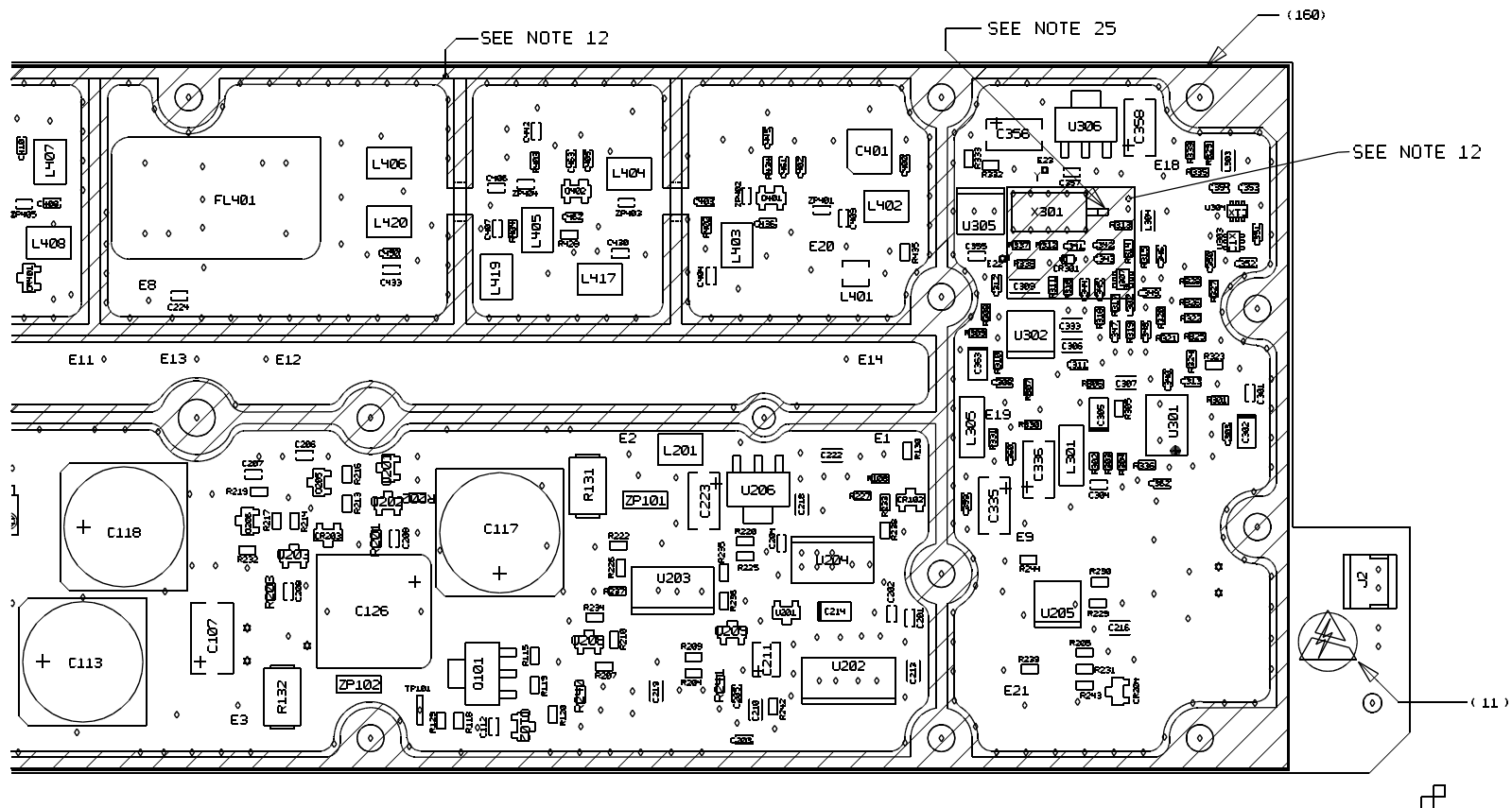
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CHK J. LUTZ	SCALE NONE	SHEET 5	

DIGITAL DATA ONLY, NO PAPER TRACING.

ROCKWELL COLLINS, INC

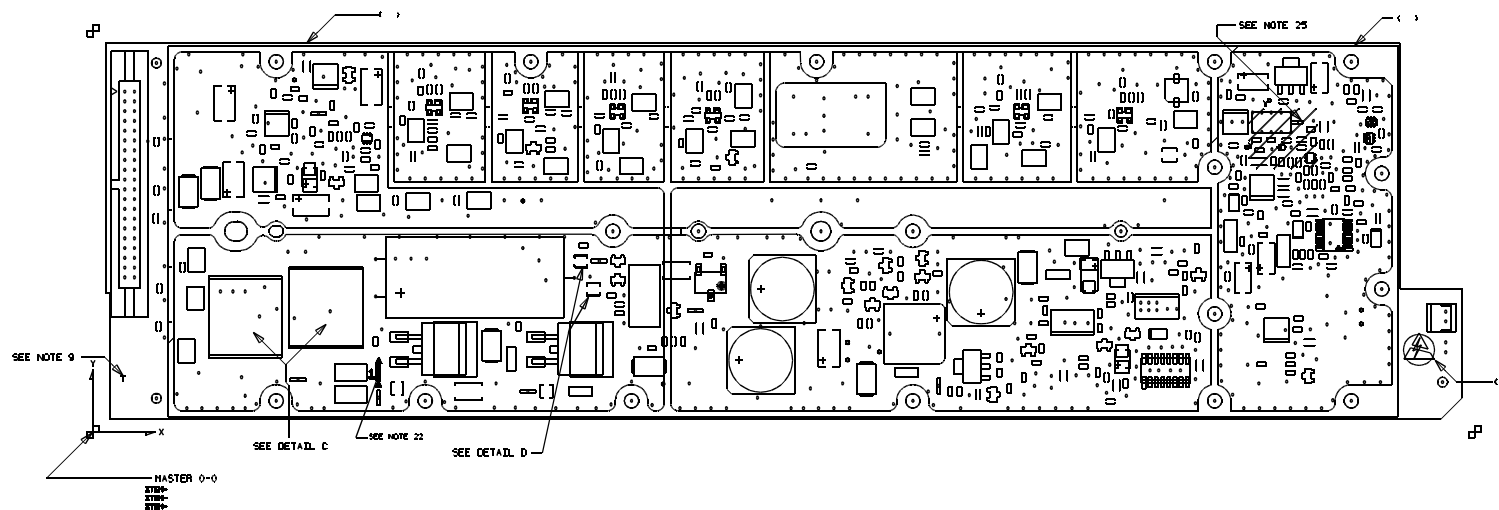
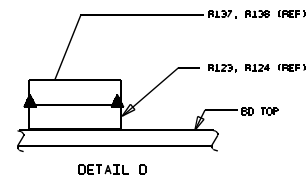
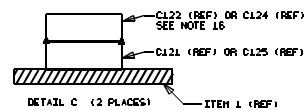
1400 COLLINS ROAD NE, CEDAR RAPIDS IOWA, 52406





DETAIL B

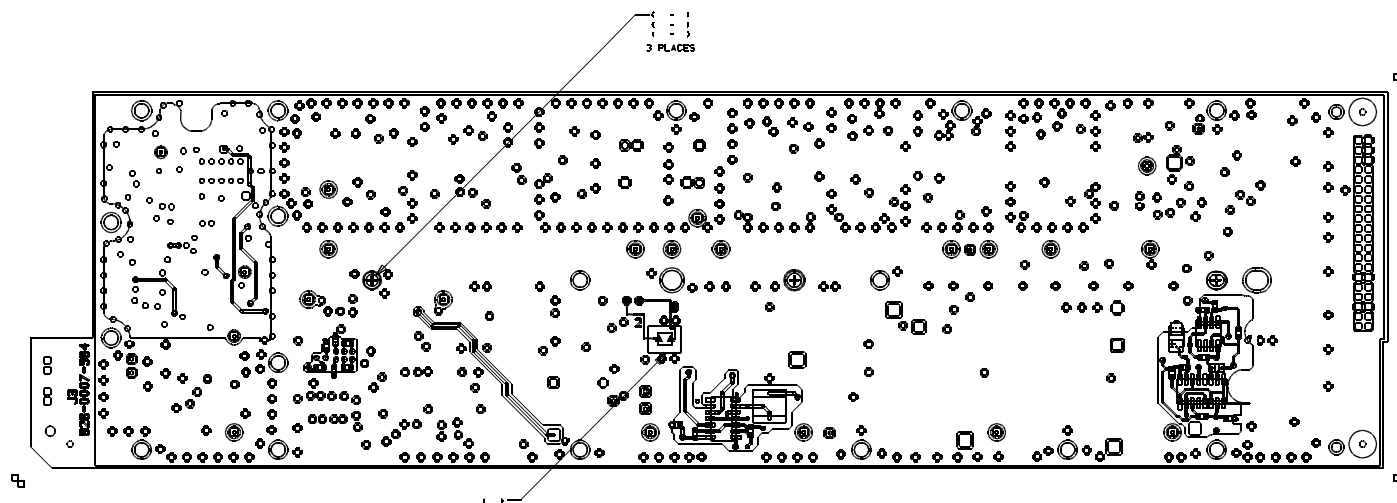
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400 COLLINS ROAD NE, CEDAR RAPIDS IOWA, 52498			
PREP P. LOVE (3-28-2001)	SIZE D	DWG NO. 828-3373-002	REV LTR C
CHK J. LUTZ	SCALE NONE	SHEET 7	
DIGITAL DATA ONLY, NO PAPER TRACING.			



JUMPER TOP

ROCKWELL COLLINS, INC.			
4400 COLLINS ROAD NE, CEDAR RAPIDS IOWA, 52498			
PREP P. LUTZ	SIZE D	DWG NO. 828-3373-002	REV C
CHK J. LUTZ	SCALE NONE	SHEET 3	

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JUMPER BOTTOM

ROCKWELL PROPRIETARY INFORMATION.

PREP P. LOVE
12-SEP-2001
CHK J. LUTZ

ROCKWELL COLLINS, INC			
1400 COLLINS ROAD NE, CEDAR RAPIDS IOWA, 52498			
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SCALE NONE		SHEET 3	

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