

NOTES:

1. PARENTHETICAL ITEM IDENTIFICATION DENOTES (ITEM FIND NO.-QTY).
2. REFERENCE DESIGNATORS ARE USED IN LIEU OF ITEM FIND NUMBERS.
3. 500-6520-001 MAY BE UTILIZED ON THIS ASSEMBLY.
4. TO BE TESTED AT A HIGHER LEVEL.
5. SOLDER PER COMMERCIAL REQUIREMENTS (500-5178-000).
6. MAXIMUM Z TOP DIMENSION SHALL NOT EXCEED .100, EXCEPT WHERE SPECIFIED. SEE SHEET 7 FOR Z TOP RESTRICTIONS. SEE SHEET 8 FOR Z BOTTOM RESTRICTIONS.
7. MARK REV LETTER FOLLOWING THE APPROPRIATE LETTERS REV PER 830-0497-001.
8. ASSEMBLY IDENTIFIED BY APPLICATION OF MARKING REQUIREMENTS ON FAB PART.
9. MAXIMUM LEAD PROTRUSION TO BE .100.
10. "T" DESIGNATES BOARD TOP SURFACE.
11. PER MANUFACTURING, PROJECT OR CONTRACT REQUIREMENTS, MARK THE MANUFACTURING CONTROL NUMBER BELOW THE LETTERS MCN PER 830-0497-001.
12. CAUTION: THIS ASSEMBLY CONTAINS ELECTROSTATIC SENSITIVE DEVICES, HANDLE PER 500-0687-001. IDENTIFY PER 500-6535-001. LOCATE ITEM 6 APPROXIMATELY AS SHOWN.
13. POSTCORT TOP AND BOTTOM SIDES PER 500-5450-001.
14. CROSSHATCHED AREAS TO BE FREE OF POSTCORT, TOP AND BOTTOM.
15. ITEM 16 TO BE PROGRAMMED WITH DLG-001 BEFORE INSTALLATION.
16. EXPOSING ITEM 16 TO THE FOLLOWING CHEMICALS MUST BE AVOIDED.
BIORACT EC7-R -- 830-2013-XXX
SOLVATING AGENT 70 -- 830-2512-XXX
HFE-7100 -- 830-2515-XXX
BIORACT SC-10 -- 830-2513-XXX
XYLENE -- 005-0836-XXX
TOLUENE -- 005-1197-XXX
MUMISEAL 1841 -- 830-0506-XXX
CONTACT IE (OR AOE/AE) BEFORE ITEM 16 IS EXPOSED TO ANY OTHER CHEMICALS. IF EXPOSURE TO ANY OF THE CHEMICALS LISTED ABOVE OCCURS CONTACT IE.

SCHEMATIC AND FAB BOARD APPLICABILITY REF. TABLE				
SCHEMATIC	ALT	FAB BOARD	ALT	CKT CARD ASST

828-8711-002 - 828-8000-054 - 828-3311-002 -

PARTS LIST CONTINUED ON PAGE 2

1	99 849-0020-130	COIL, 1	L4
2	98 844-0120-040	DIODE, 15MB7.0A	VR4,5
1	97 844-0022-010	DIODE, HSM5-2800	CR1
1	96 843-7050-020	TRANSISTOR, IRLL110	Q2
2	95 835-1500-010	IC, 74AC00	U17,37
3	94 835-0367-010	IC, 482	U9,14,15
2	93 835-0355-050	IC, 1120	U4,6
6	92 835-0130-030	IC, MC33070D	U2,11,16,50,59,120
2	91 831-5013-050	CAPACITOR, 0.01	C4,5
1	90 831-5008-080	CAPACITOR, 3.9 pF	C73
1	89 831-5005-090	CAPACITOR, 1	C376
2	88 831-5005-370	CAPACITOR, 0.1	C250,257
2	87 831-2000-220	CAPACITOR, 15	C251,252
4	86 831-2000-130	CAPACITOR, 10	C35,39,74,254
20	85 831-2000-140	CAPACITOR, 4.7	C3,8,13,14,70,75,79,87-90,234,236,250,259,262,393,398,400,439
10	84 831-2000-070	CAPACITOR, 1	C2,6,10,23,62-65,77,142
1	83 831-2000-030	CAPACITOR, 0.22	C239
2	82 832-6720-300	RESISTOR, 2 k	R375,376
6	81 833-6520-550	RESISTOR, 30.5	R4,5,279,280,301,302
4	80 833-6520-340	RESISTOR, 22.1	R718,719,732,763
3	79 833-6520-010	RESISTOR, 10	R272,722,723
REF	77 828-0711-002	SCHEMATIC	
1	77 705-3510-270	RESISTOR, 150	R767

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

4	76 705-3530-020	RESISTOR, 51.1	
2	75 705-3537-020	RESISTOR, 5.11 k	
1	74 705-3535-730	RESISTOR, 475	
2	73 705-3535-550	RESISTOR, 301	
6	72 705-3535-270	RESISTOR, 12.1 k	
6	71 705-3535-200	RESISTOR, 1 k	
2	70 705-3535-050	RESISTOR, 49.9 k	
6	69 705-3205-000	RESISTOR, 24.3 k	
1	68 705-3205-020	RESISTOR, 10.2 k	
6	67 705-3204-050	RESISTOR, 3.92 k	
2	66 705-3204-100	RESISTOR, 1.3 k	
1	65 705-3204-070	RESISTOR, 301	
2	64 705-2430-590	RESISTOR, 22.1	
1	63 705-2430-110	RESISTOR, 200 k	
1	62 705-2430-060	RESISTOR, 102 k	
5	61 705-2430-950	RESISTOR, 100 k	
1	60 705-2430-820	RESISTOR, 61.9 k	
2	59 705-2430-010	RESISTOR, 56.2 k	
1	58 705-2430-070	RESISTOR, 20.7 k	
67	57 705-2430-590	RESISTOR, 20 k	
2	56 705-2430-510	RESISTOR, 13 k	
1	55 705-2430-190	RESISTOR, 12.1 k	
17	54 705-2430-440	RESISTOR, 10 k	
1	53 705-2430-420	RESISTOR, 0.25 k	
2	52 705-2430-100	RESISTOR, 7.5 k	
3	51 705-2430-350	RESISTOR, 5.11 k	
13	50 705-2430-330	RESISTOR, 4.75 k	
1	49 705-2430-260	RESISTOR, 3.32 k	
3	48 705-2430-190	RESISTOR, 2.21 k	
1	47 705-2430-160	RESISTOR, 2 k	
1	46 705-2430-120	RESISTOR, 1.62 k	
2	45 705-2430-110	RESISTOR, 1.5 k	
40	44 705-2430-050	RESISTOR, 1 k	
1	43 705-2437-940	RESISTOR, 681	

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

1	42 705-2437-000	RESISTOR, 102	
6	41 705-2437-100	RESISTOR, 100	
13	40 705-2437-300	RESISTOR, 51.1	
82	39 705-2437-230	RESISTOR, 33.2	
1	38 705-2437-050	RESISTOR, 10	
21	37 705-2437-010	RESISTOR, 0	
2	35 357-7553-030	CONN,ELEC	
3	34 353-1552-010	DIODE, UP55019	
6	33 353-0011-040	DIODE, UPT08	
1	32 353-0307-130	DIODE, MMS320BRLT1	
1	31 351-9005-050	IC, A06040	
1	30 351-9004-030	IC, NC75214H5X	
1	29 351-9004-100	IC, A08010R	
1	28 351-9004-300	IC, X25300S01-2.5	
1	27 351-9004-330	IC, AD15020RT	
1	26 351-9004-240	IC, TPS3005-250	
1	25 351-9004-170	IC, NC75T00M5	
3	24 351-9004-110	IC, A05322-00M	
2	23 351-9004-070	IC, LTC1003-6	
1	22 351-9003-070	IC, A06620	
1	21 351-9003-960	IC, TPS763250BYT	
1	20 351-9003-520	IC, A04000P	
1	19 351-1133-010	IC, SNOOP12	
1	18 351-1125-050	IC, AS45X330-PQ0001	
1	17 351-3290-010	IC, TPS763010BYT	
1	16 351-3222-010	IC, GT20F100C00A00	
1	15 351-3111-050	IC, THS320VC016	
1	14 351-2660-010	IC, MAX146	
1	13 351-2013-020	IC, MAX91E	
2	12 351-1278-030	IC, 2901	
1	11 351-0475-010	IC, NC7520H5	
3	10 351-0473-010	IC, NC7523H5	
1	9 351-0414-020	IC, 1129	
2	8 350-1001-020	IC, NETWORK	
2	7 350-1001-010	IC, NETWORK	
1	6 200-2745-040	LABEL,ESD	
1	5 277-0025-020	IC, 23.100 MHz	
2	4 241-0060-010	FILTER, 3300 pF	
1	3 240-2919-010	WTR, 1-30 MHz	
2	2 240-2933-130	COIL, 10	
1	828-0000-054	FAB	

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

REDAC

ROCKWELL PROPRIETARY INFORMATION.

ROCKWELL COLLINS, INC			
400 COLLINS ROAD NE, CEDAR RAPIDS, IOWA 52405			
CIRCUIT CARD ASSEMBLY, DSP A2			
PREP BY: J. BLAIR	CHK BY: J. BLAIR	DWG NO: D 4V792	REV: 1
SCALE: NONE		SHEET: 1 OF 10	

1	117	913-3689-100	CAPACITOR, 62 pF	C442
5	116	913-0865-680	CAPACITOR, 1000 pF	C204,205,210,211,443
23	115	913-0865-500	CAPACITOR, 0.01	C7,10,20,29,37,42-45 55-61,100,357,361, 401,403,440,441
2	114	913-0865-470	CAPACITOR, 5000 pF	C203,208
2	113	913-0865-460	CAPACITOR, 4700 pF	C11,12
2	112	913-0865-450	CAPACITOR, 3900 pF	C202,208
9	111	913-0865-360	CAPACITOR, 1000 pF	C67,68,71,197,225, 391,394,395,399
1	110	913-0865-350	CAPACITOR, 500 pF	C66
1	109	913-0865-300	CAPACITOR, 220 pF	C41
1	108	913-0865-280	CAPACITOR, 100 pF	C38
11	107	913-0865-260	CAPACITOR, 100 pF	C25-27,81,83-85,230, 322,326,327
1	106	913-0865-230	CAPACITOR, 56 pF	C34
4	105	913-0865-160	CAPACITOR, 15 pF	C114,115,140,149
4	104	913-0865-140	CAPACITOR, 10 pF	C110,119,152,153
111	103	913-0863-050	CAPACITOR, 0.1	C1,9,15-17,19-22,24, 30-34,36,38,40,46-53 63,72,76,78,80,82,86 91-95,100,121,122, 124,132-136,139-141, 143,156-161,164-173, 175,177,178,183,195, 200,201,206,207, 217-221,226-229,235, 267,319,330,350, 362-373,375,390,396, 397,416,424,444-446
1	102	859-5534-220	CONN,ELEC	J1
2	101	859-4828-080	CONN,ELEC	J102,103
1	100	849-2582-060	XFRM., 2-40 MHz	T2

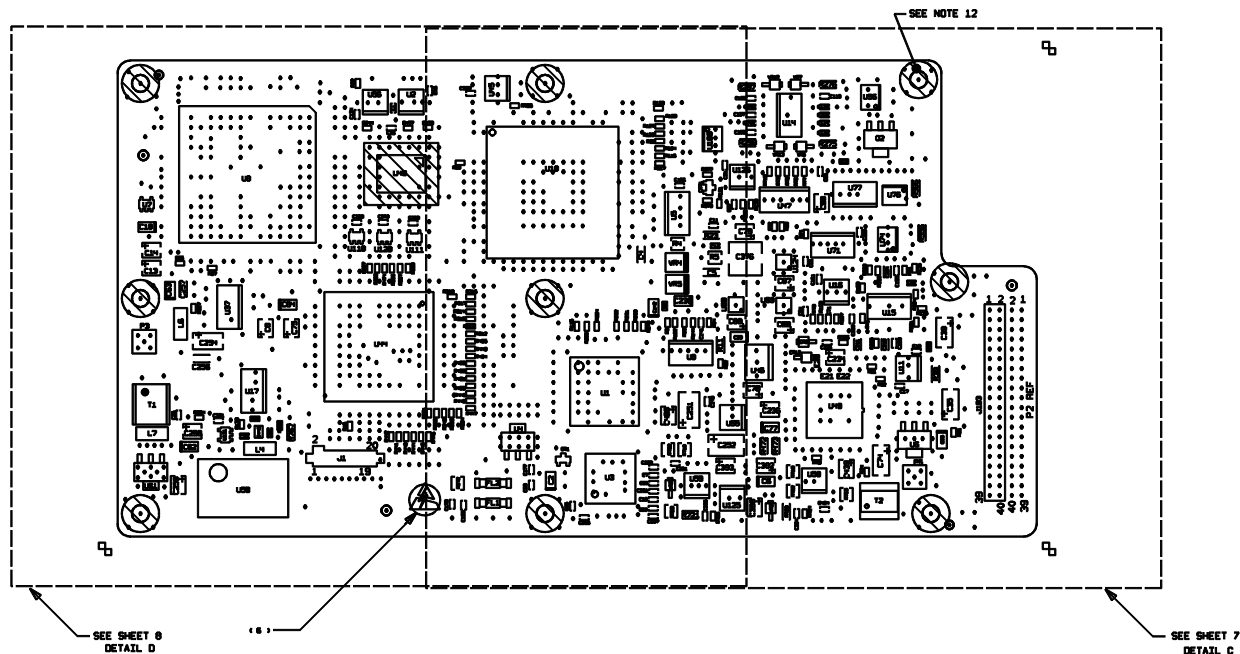
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PARTS LIST (US CUSTOMARY MEASUREMENTS ONLY)					

ROCKWELL COLLINS, INC
400 COLLINS ROAD NE, DEER HAVEN 33408, 904/99

PREP'D. COLLETTE	SLK CRK CSE D 4V792	DWG NO. 828-3311-002	REV LTH -
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ROCKWELL PROPRIETARY INFORMATION.	CHK H. FERRY	SCALE NONE	SHEET 2
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DIGITAL DATA ONLY, NO PAPER TRACING.



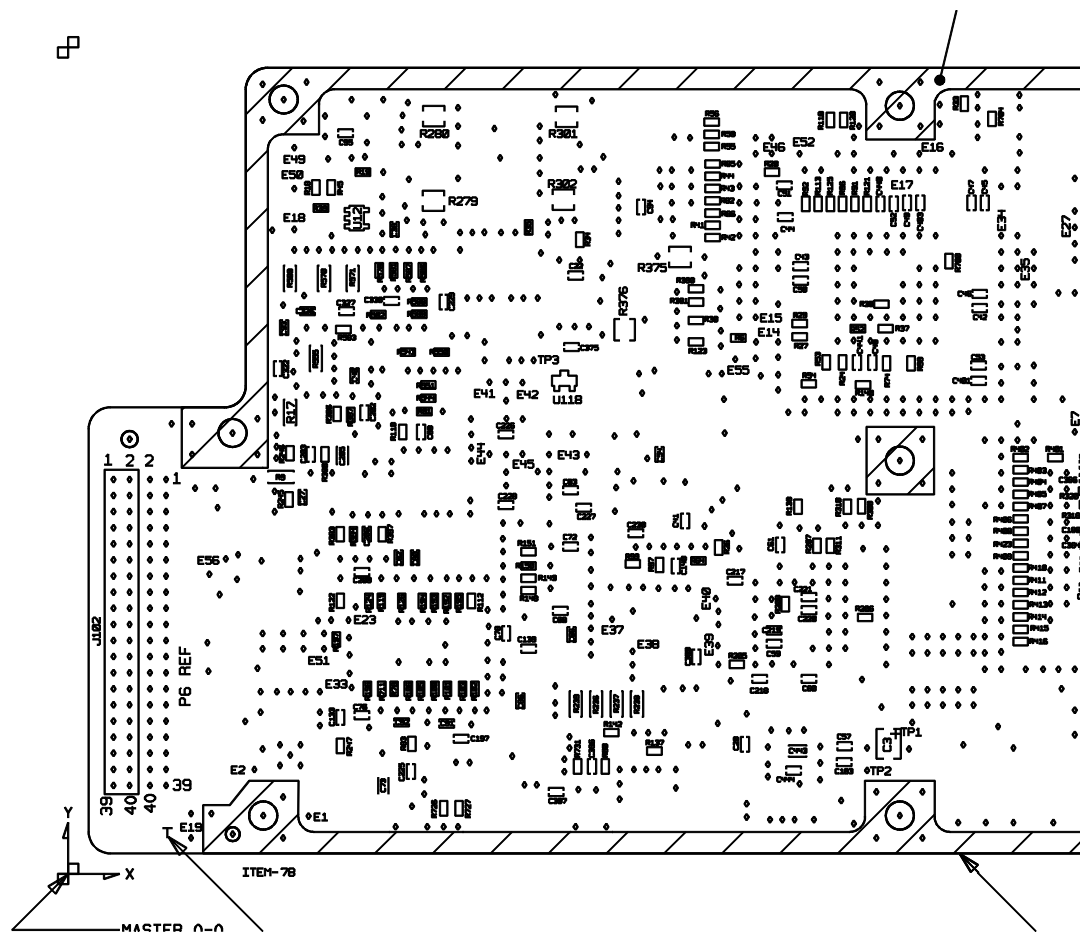
BOTTOM COMPONENTS

ROCKWELL PROPRIETARY INFORMATION.

PREP D. COLLETTE 14-SEP-2001		SIXT / CRK CRK D 4V792		DWG NO. 828-3311-002		REV -178 -	
CHK H. FERRY		SCALE NONE		SHEET 4			

DIGITAL DATA ONLY, NO PAPER TRACING.

ROCKWELL COLLINS, INC
1000 COLLINS ROAD NE, GEORGETOWN, GA 30428



ASSEMBLY DETAIL A

ROCKWELL COLLINS, INC

100 COLLINS ROAD NE, CEDAR RAPIDS IOWA, 52408

PREP D. COLLETTE

11-SEP-2001

SIZE / CHK CODE

D 4V792

DWG NO.

828-3311-002

REV

1-10

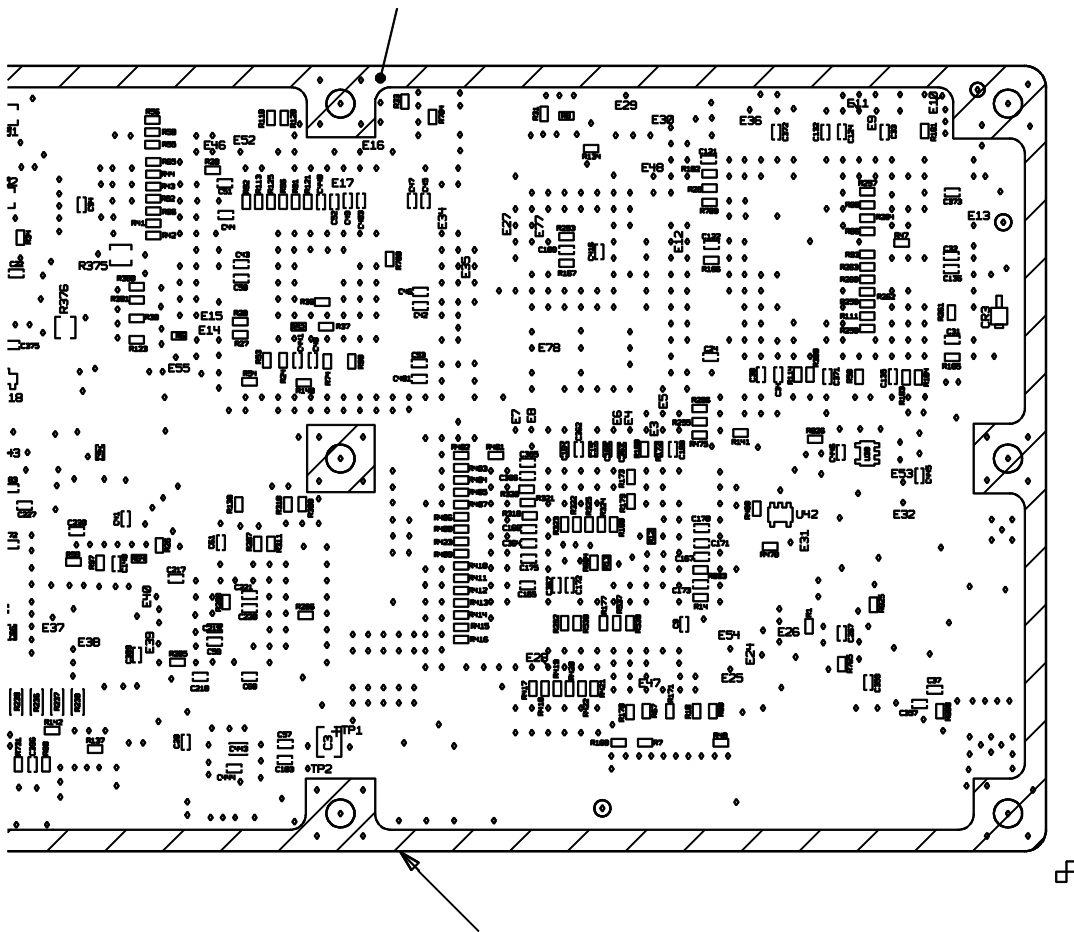
SHEET 5

ROCKWELL PROPRIETARY INFORMATION.

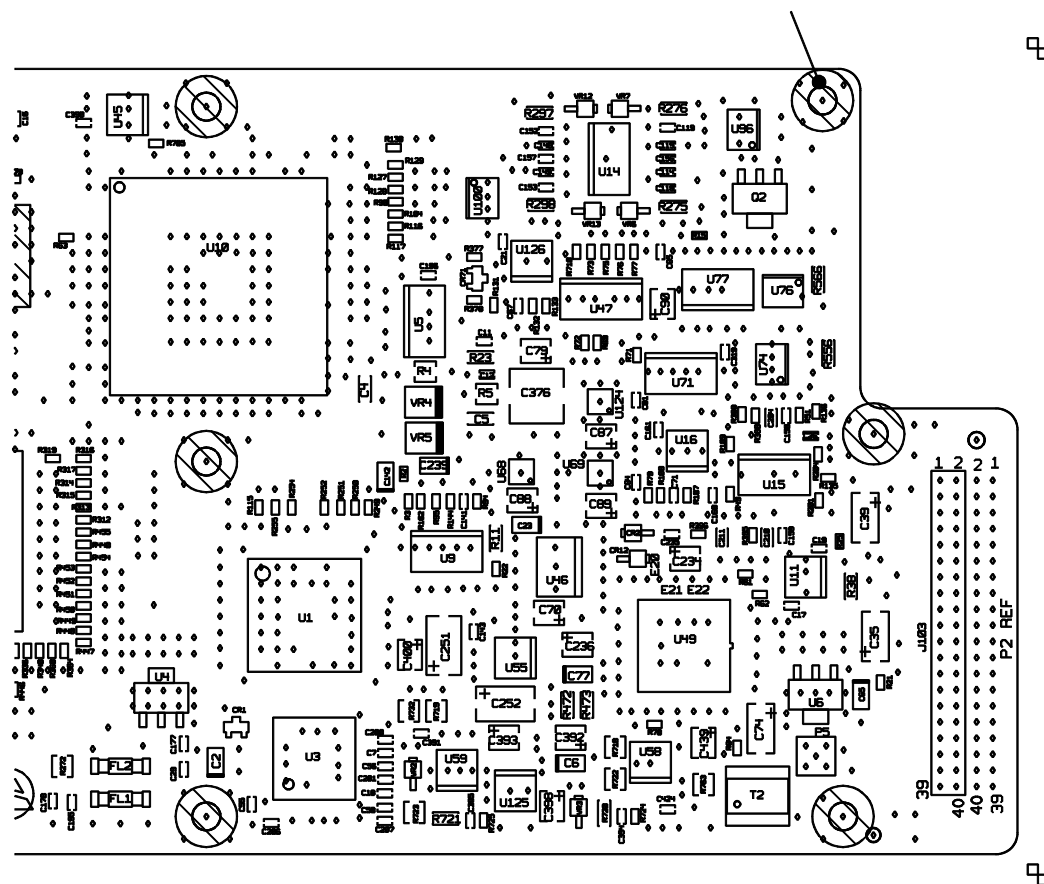
CHK H. FRYBY

SCALE NONE

DIGITAL DATA ONLY, NO PAPER TRACING.



ASSEMBLY DETAIL B



ASSEMBLY DETAIL C

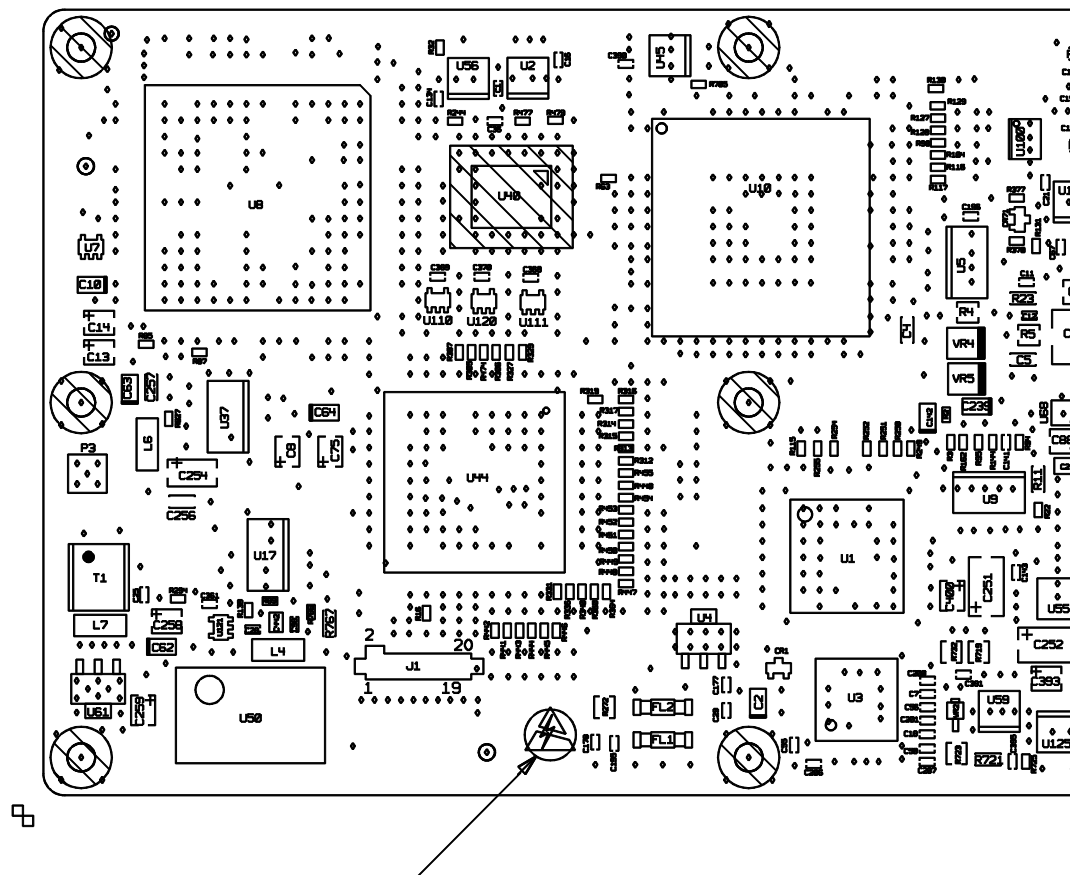
ROCKWELL PROPRIETARY INFORMATION.

PREP D. COLLETTE
CHK H. FERRY

ROCKWELL COLLINS, INC
1000 COLLINS ROAD NE, GEDORA, OH 43024, 614-899-0000

SIXT / CRK CODE D 4V792	DWG NO. 828-3311-002	REV A10
SCALE NONE	SHEET 7	

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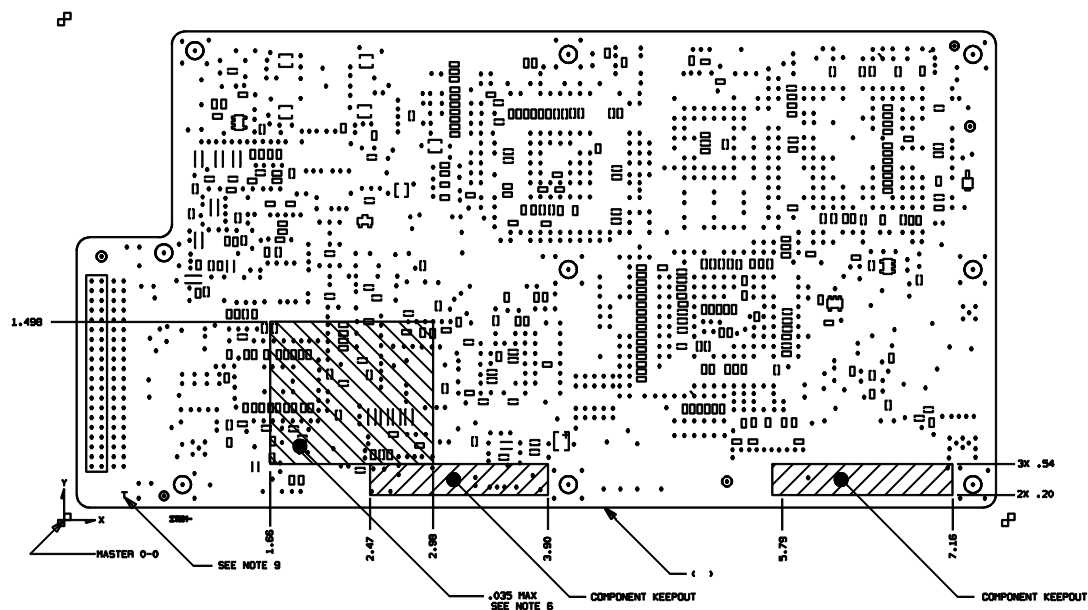
ASSEMBLY DETAIL D

ROCKWELL PROPRIETARY INFORMATION.

PREP D. COLLETTE
D 4V792
CHK H. FRYBET

ROCKWELL COLLINS, INC
400 COLLINS ROAD NE, GAITHERSBURG MD, 20878
D 4V792
828-3311-002
SHEET 8

DIGITAL DATA ONLY, NO PAPER TRACING.



MAXIMUM Z TOP DIMENSIONS

ROCKWELL COLLINS, INC

1000 COLLINS ROAD NE, CEDAR RAPIDS IOWA, 52408

PREP D. COLLETTE
14-SEP-2001

SIXT | CRK CRK
D 4V792

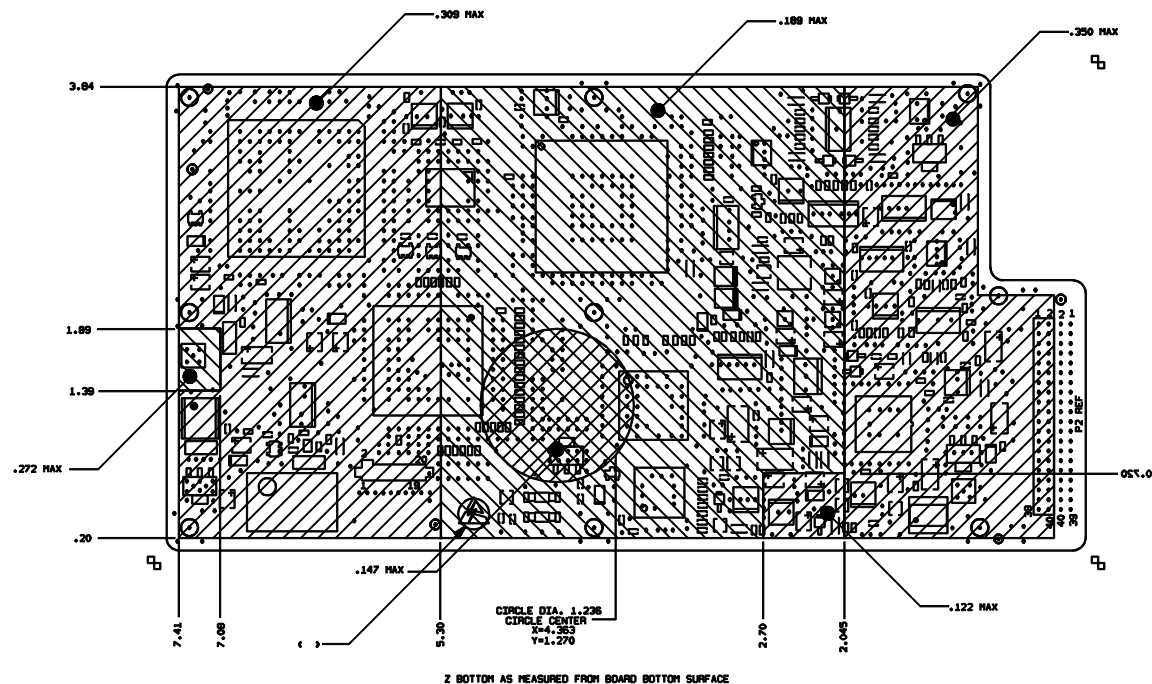
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REV 1.00
SHEET 9

ROCKWELL PROPRIETARY INFORMATION.

CHK H. FERRY

SCALE NONE

DIGITAL DATA ONLY, NO MASTER TRACING.



MAXIMUM Z BOTTOM DIMENSIONS

ROCKWELL COLLINS, INC

1000 COLLINS ROAD NE, CEDAR RAPIDS IOWA, 52408

PREP R. COLLETTE

CHK H. FERRY

SIXT | CRK CRK

D 4V792

DWG NO.

828-3311-002

REV

1.00

SCALE NONE

SHEET 10

DIGITAL DATA ONLY, NO PAPER TRACING.