NOTES:

1. SEE NOTES ON SHEET 2

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED

CAD MAINTAINED, CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY

PARTS LIST CONTINUED ON FOLLOWING SHEET							
1	45	C/R2238685	RESISTOR, 470				R22
1	44	C/R2134551	RESISTOR, 150				R21
1	43	C/R2035687	RESISTOR, 1800				R20
2	42	C/R1935493	RESISTER, 1000K				R19,26
1	41	C/R1835183	RESISTER, 680K				R18
1	40	C/R1735281	RESISTOR, 12K				R17
1	39	C/R1634453	RESISTER, 2200				R16
1	38	C/R1534357	RESISTER, 5600				R15
5	37	C/R136559	RESISTOR, 820				R1,2,5,11,23
2	36	C/R1336273	RESISTOR, 2200				R13,14
1	35	C/R1236729	RESISTOR, 47K				R12
1	34	C/R1038275	RESISTOR, 120K				R10
1	33	C/Q343915	TRANSISTOR, SM-A-984996				Q3
1	32	C/Q23745	TRANSISTOR, JAN2N2219A				Q2
1	31	C/Q14611	TRANSISTOR, JAN2N3739				Q1
1	30	C/PWB17979	PRINTED WIREING BOARD				
1	29	C/P125359	CONNECTOR, 96 PIN				P1
2	28	C/L230367	COIL, 57m				L1,2
2	27	C/H81405	NUT, HEX .112-40				
1	26	C/H733295	HEATSINK, TRANSISTOR				
4	25	C/H727133	SLEEVING, SHRINK				
2	24	C/H705737	PAD, THERMAL				
1	23	C/H6933533	INSULATOR, TRANSISTOR				
2	22	C/H669539	SCREW, .112-40 X .62 FLH				
2	21	C/H626655	HANDLE, EXTRACTOR				
14	20	C/H5239375	SCREW, .112-40 X .25 FLH				
16	19	C/H4027151	WASHER, SPECIAL - FLAT				
2	18	C/H38719	GUIDE PIN - KEYING				
2	17	C/H3430193	PLATE, RETAINER				
2	16	C/H29361	RIVIT, .063 DIA X .156 LG				
12	15	C/H1628353	SCREW, .112-40 X .25 PNH				
12	14	C/H101581	POST, HEX - .375 LG				
1	13	C/E21809	TERMINAL, LUG				E2
1	12	C/E11983	TERMINAL, POST				E1
1	11	C/CR344043	DIODE, JANIN5616				CR3
6	10	C/CR135873	DIODE, JANIN4148-1				CR1,2,4,5,6,7
2	9	C/C834663	CAPACITOR, 6.8u				
1	8	C/C237251	CAPACITOR, .15u				C2
2	7	C/C2237055	CAPACITOR, 47m				C21,22
10	6	C/C2030563	CAPACITOR, .15u				C3,4,6,7,15-20
1	5	C/C138077	CAPACITOR, 270p				C1
2	4	C/C1337551	CAPACITOR, 15u				C13,14
1	3	C/C1234759	CAPACITOR, 47p				C12
1	2	C/C1135589	CAPACITOR, .01u				C11
2	1	C/C1035395	CAPACITOR, 1u				C5,10
QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	DOCUMENT NO	CAGEC	NOTES	REF DESIGNATOR

PARTS LIST

		CONTRACT NO ----------	ROCKWELL COLLINS, INC. 400 COLLINS RD NE, CEDAR RAPIDS, IOWA 52498
		PREP 2003-08-28 M. LARA	CIRCUIT CARD ASSEMBLY - TESTSET
		CHK	
		APVD	
NEXT ASSY	USED ON	ALL SHEETS ARE THE SAME REVISION STATUS	SIZE D / CAGEC 4V792 / DWG NO 827-3762-200 / REV -
APPLICATION		THIRD ANGLE PROJECTION	SCALE NONE / SHEET 1 OF 3

827-3762-200.prt
UNIGRAPHICS V18.0
PDM OBJ REV 1

Scale= 0.5:1

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mrreisdo

1. SOLDER SHALL BE IN ACCORDANCE WITH ITEM 48, SELECT TYPE PER MIL-S-46844 AND MIL-STD-454 REQUIREMENT 5.

2. INSERTION FORCE IN POUNDS, MEASURED AT CENTER OF BOARD, REQUIRED TO FULLY MATE THIS CIRCUIT CARD ASSEMBLY WITH ITS MATING CONNECTOR OF THE UNIT, SHALL BE NO LESS THAN 25 POUNDS, NOR GREATER THAN 70 POUNDS. MEASUREMENTS SHALL BE MADE ON A 4% AQL, S-4 INSPECTION LEVEL OF MIL-STD-105 AND MAY BE MADE ON A FIXTURE DUPLICATING THE PHYSICAL CHARACTERISTICS OF A TYPICAL UNIT.

3. SWAGE ITEM 55 BACKSIDE OF PWB IN ACCORDANCE WITH MIL-STD-2000.

4. APPLY ITEMS 63 AND 64 TO THE THREADS OF ITEMS 46 AND 59 AT ASSEMBLY - 12 PLACES.

5. PRIOR TO SOLDERING, THE FOLLOWING SHALL APPLY. ITEM 13 SHALL BE LOCATED CENTRALLY AROUND THEIR PLATED-THROUGH MOUNTING HOLES AND CLAMPED TO ITEM 1 USING ITEMS 44 AND 62 OR A FIXTURE DUPLICATING THE SAME PHYSICAL CHARACTERISTICS MAY BE USED.

6. SWAGE ITEM 3, RIVETS, ON FRONT OF PWB.

7. FOR KEYING INFORMATION, SEE SM-D-876293.

8. HARDWARE INSTALLATION TO BE IN ACCORDANCE WITH SM-A-876002.

9. ENAMEL ELECTRICAL INSULATOR, MIL-E-2118, MAY BE APPLIED TO VARIABLE COMPONENTS FOLLOWING ADJUSTMENT TO PRECLUDE INADVERTENT CHANGE DURING HANDLING.

10. MANUFACTURING INSTALLATION OPTION FOR NON-STRUCTURAL ASSEMBLIES USING RIVETS.

10.1 BECAUSE THE DETERMINATION OF RIVET LENGTH IS A MATTER OF MANY VARIABLES IN TOLERANCE, THIS SPECIFICATION, WHEN INVOKED, ALLOWS MANUFACTURING TO GO UP OR DOWN ONE STANDARD SIZE IN LENGTH ONLY, FROM RIVET SPECIFIED, TO EFFECT THE PROPER CLINCH AND SWAGE ALLOWANCE.

11. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN: FOR COMPLETE DESIGNATION, PREFIX WITH UNIT NUMBER AND SUBASSEMBLY DESIGNATION(S).

12. ALL COMPONENTS ARE TO BE MOUNTED SO THAT A PORTION OF THE COMPONENT BODY IS AS CLOSE TO THE PRINTED WIRING BOARD AS PRACTICAL, WITH THEFOLLOWING EXCEPTIONS:

12.1 DUAL-IN-LINE PACKAGES TO BE MOUNTED .010 +.050 -.010 ABOVE THE SURFACE OF THE BOARD.

12.2 VERTICALLY MOUNTED NON-TUBULAR CAPACITORS ARE TO BE MOUNTED.010 +.050 -.010 ABOVE THE SURFACE OF THE BOARD.

12.3 TO-5 AND TO-18 TRANSISTORS ARE TO BE MOUNTED .010 +.050 -.010 ABOVE THE SURFACE OF THE BOARD.

13. VERTICALLY MOUNTED NON-TUBULAR CAPACITORS ARE TO BE MOUNTED .010 +.050 -.010 ABOVE THE SURFACE OF THE BOARD. DUAL-IN-LINE PACKAGES TO BE MOUNTED .010 +.050 -.010 ABOVE THE SUFACE OF THE BOARD.

14. APPLY ITEMS 63 AND 64 TO THE THREADS OF ITEMS 46 AND 59 AT ASSEMBLY - 12 PLACES. SWAGE ITEM 55 BACKSIDE OF PWB IN ACCORDANCE WITH MIL-STD-2000.

15. APPLY ITEMS 63 AND 64 TO THE THREADS OF ITEMS 46 AND 59 AT ASSEMBLY - 12 PLACES.

16. PRIOR TO SOLDERING, THE FOLLOWING SHALL APPLY. ITEM 13 SHALL BE LOCATED CENTRALLY AROUND THEIR PLATED-THROUGH MOUNTING HOLES AND CLAMPED TO ITEM 1 USING ITEMS 44 AND 62 OR A FIXTURE DUPLICATING THE SAME PHYSICAL CHARACTERISTICS MAY BE USED.

1. APPLY ITEMS 63 AND 64 TO THE THREADS OF ITEMS 46 AND 59 AT ASSEMBLY - 12 PLACES.

2. PRIOR TO SOLDERING, THE FOLLOWING SHALL APPLY. ITEM 13 SHALL BE LOCATED CENTRALLY AROUND THEIR PLATED-THROUGH MOUNTING HOLES AND CLAMPED TO ITEM 1 USING ITEMS 44 AND 62 OR A FIXTURE DUPLICATING THE SAME PHYSICAL CHARACTERISTICS MAY BE USED.

3. SWAGE ITEM 3, RIVETS, ON FRONT OF PWB.

4. FOR KEYING INFORMATION, SEE SM-D-876293.

5. HARWARE INSTALLATION TO BE IN ACCORDANCE WITH SM-A-876002.

6. MANUFACTURING INSTALLATION OPTION FOR NON-STRUCTURAL ASSEMBLIES USING RIVETS.

6.1 BECAUSE THE DETERMINATION OF RIVET LENGTH IS A MATTER OF MANY VARIABLES IN TOLERANCE, THIS SPECIFICATION, WHEN INVOKED, ALLOWS MANUFACTURING TO GO UP OR DOWN ONE STANDARD SIZE IN LENGTH ONLY, FROM RIVET SPECIFIED, TO EFFECT THE PROPER CLINCH AND SWAGE ALLOWANCE.

7. TO-5 AND TO-18 TRANSISTORS ARE TO BE MOUNTED .010 +.050 -.010 ABOVE THE SURFACE OF THE BOARD.

8. DUAL-IN-LINE PACKAGES TO BE MOUNTED .010 +.050 -.010 ABOVE THE SUFACE OF THE BOARD.

9. SWAGE ITEM 55 BACKSIDE OF PWB IN ACCORDANCE WITH MIL-STD-2000.

10. APPLY ITEMS 63 AND 64 TO THE THREADS OF ITEMS 46 AND 59 AT ASSEMBLY - 12 PLACES.

11. VERTICALLY MOUNTED NON-TUBULAR CAPACITORS ARE TO BE MOUNTED .010 +.050 -.010 ABOVE THE SURFACE OF THE BOARD.

12. _____ INDICATES LOCATION OF ASSEMBLERS FEDERAL CODE IDENT MARKING.

13. MARK .06 HIGH MINIMUM CHARACTERS USING CONTRASTING COLOR PER MIL-M-13231, GROUP II, LOCATE ON FAR SIDE APPROXIMATELY AS SHOWN.

14. MASK AREAS ON BOTH SIDES OF ASSEMBLY OUTSIDE OF AREA SHOWN IN TOP VIEW, AND APPLY ITEM 6 .001-.003 THICK TO ALL EXPOSED SURFACES OF THE ASSEMBLY.

QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	DOCUMENT NO	CAGEC	NOTES	REF DESIGNATOR
1	56	C/W143947	WIRE				W1
2	55	C/VR538799	RESISTER, VERIABLE - JANIN757A				VR5,6
4	54	C/VR328151	RESISTER, VARABLE - JANIN5644A				VR1-4
1	53	C/U143747	INTEGRATED CIRCUT				U1
2	52	C/T227837	TRANSFORMER				T1,2
1	51	C/R938177	RESISTER, 22K				R9
1	50	C/R81127	RESISROR, 100				R8
2	49	C/R638489	RESISTER, 470K				R6,7
2	48	C/R337737	RESISTER, 18K				R3,4
1	47	C/R3037153	RESISTOR, 10M				R30
2	46	C/R2436469	RESISTOR, 68				R24,25

PARTS LIST

SIZE	CAGEC	DWG NO.	REV
D	4V792	827-3762-200	-
SCALE NONE			SHEET 2

827-3762-200.prt
UNIGRAPHICS V18.0
PDM OBJ REV 1

Scale= 0.5:1

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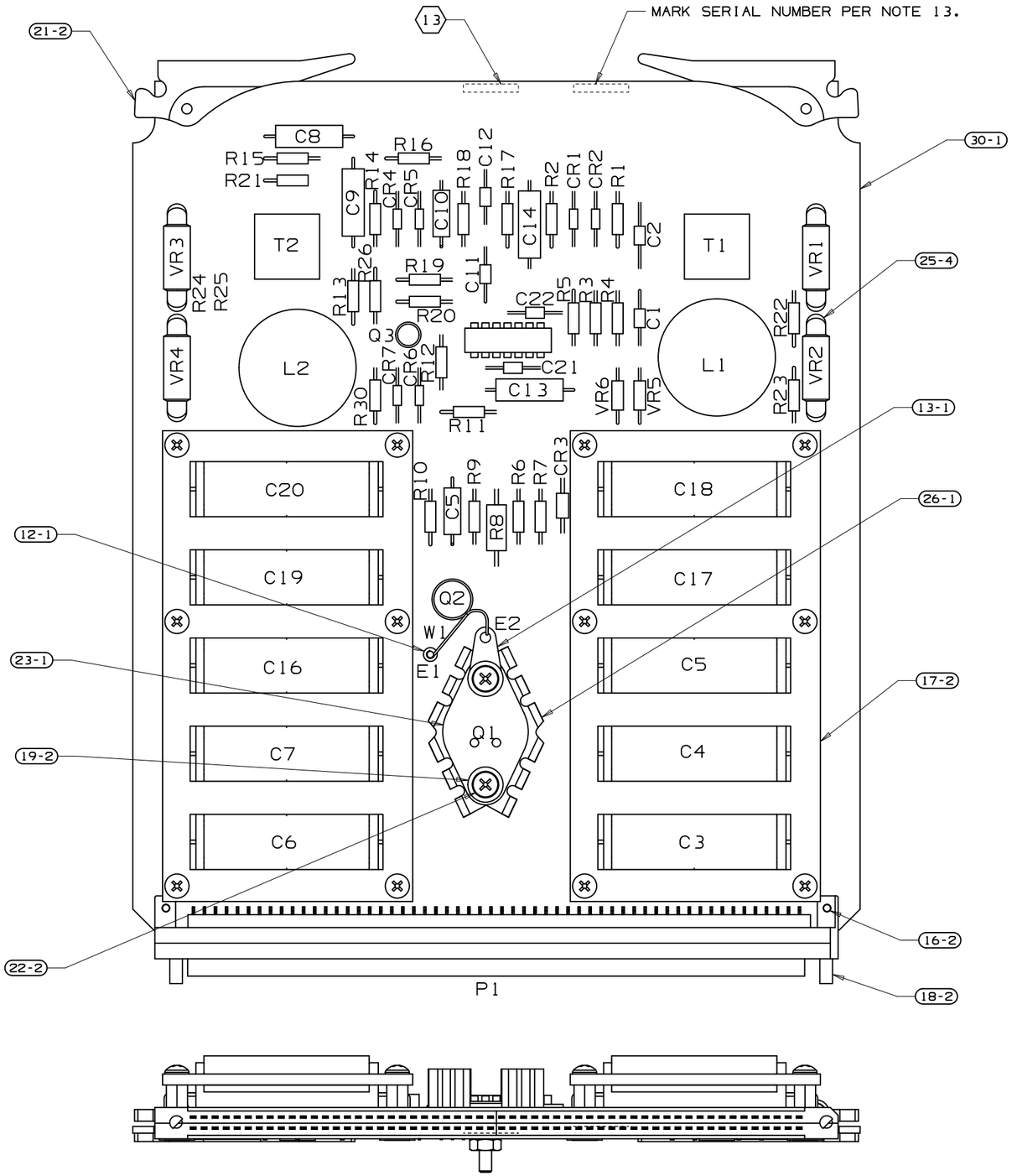
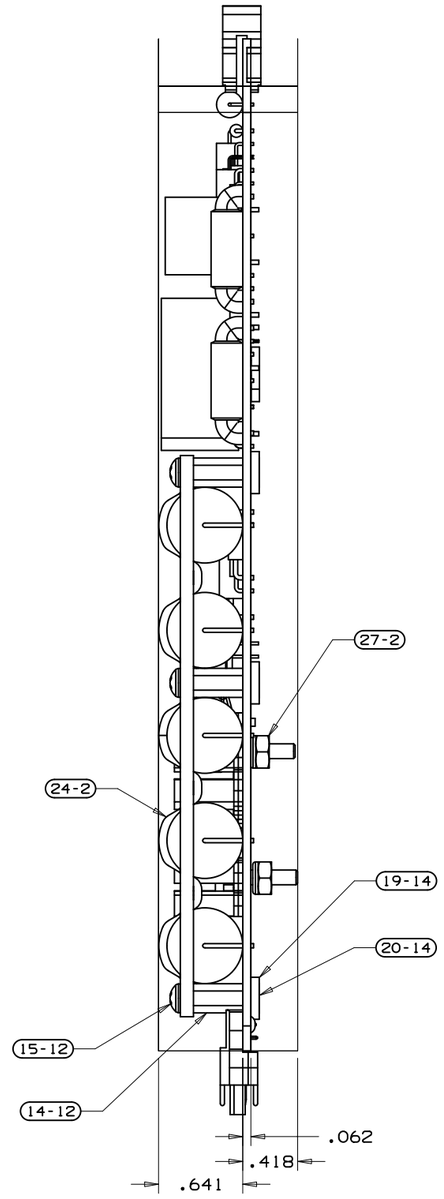
mrreisdo





SIZE	CAGEC	DWG NO.	REV
D	4V792	827-3762-200	-
SCALE NONE			SHEET 3

827-3762-200.prt
UNIGRAPHICS V18.0
PDM OBJ REV 1

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mrreisdo