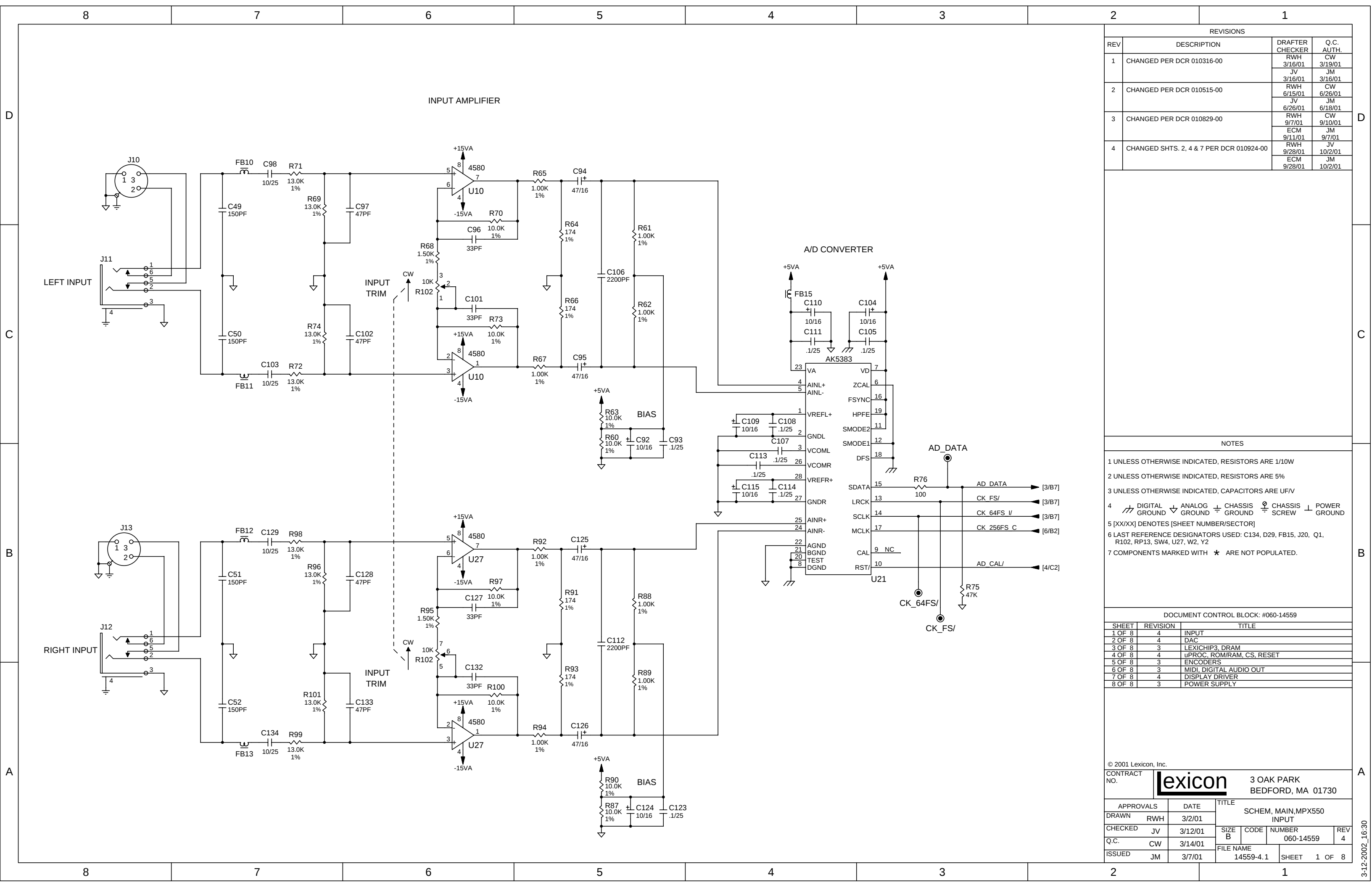
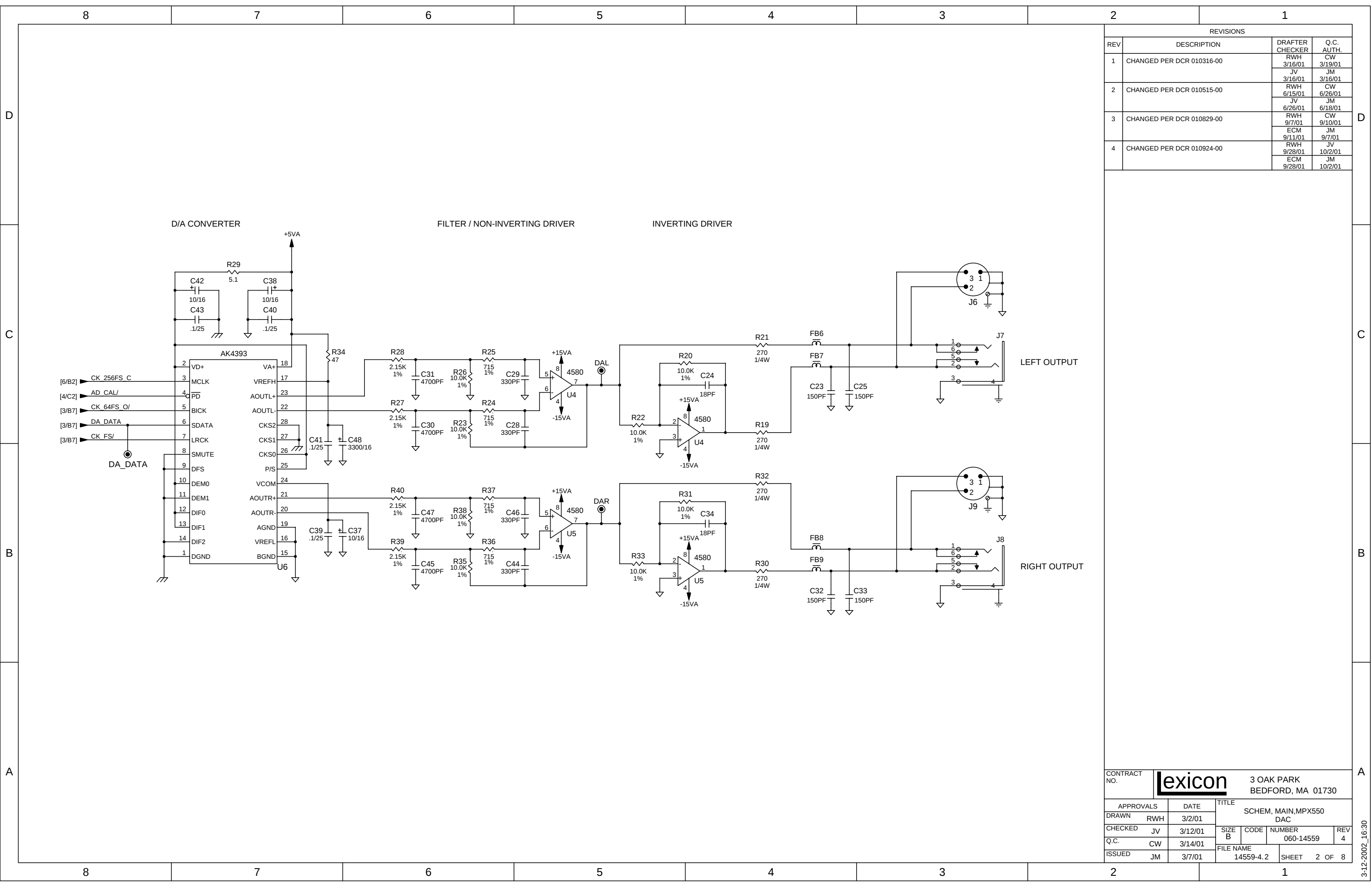
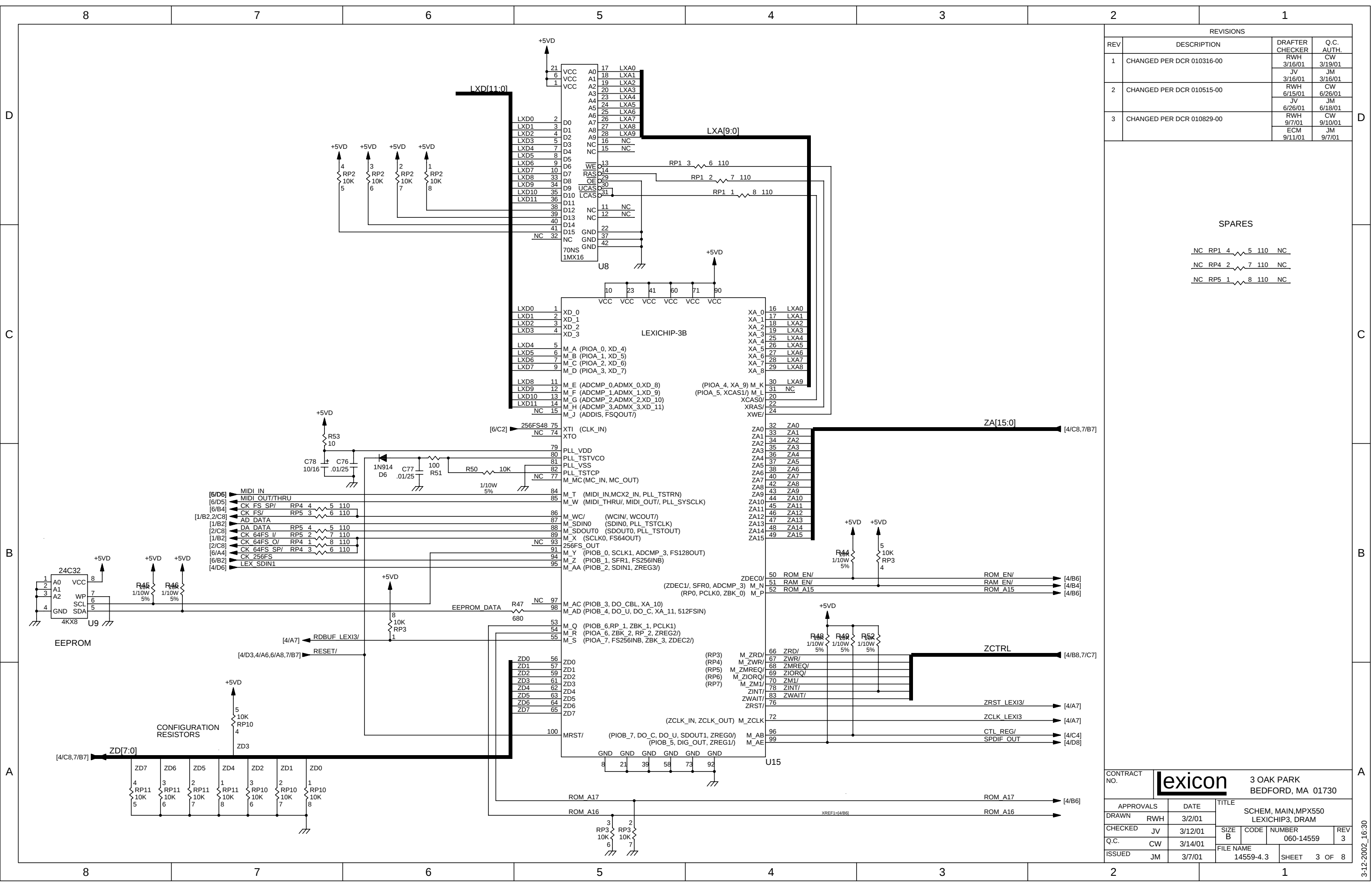
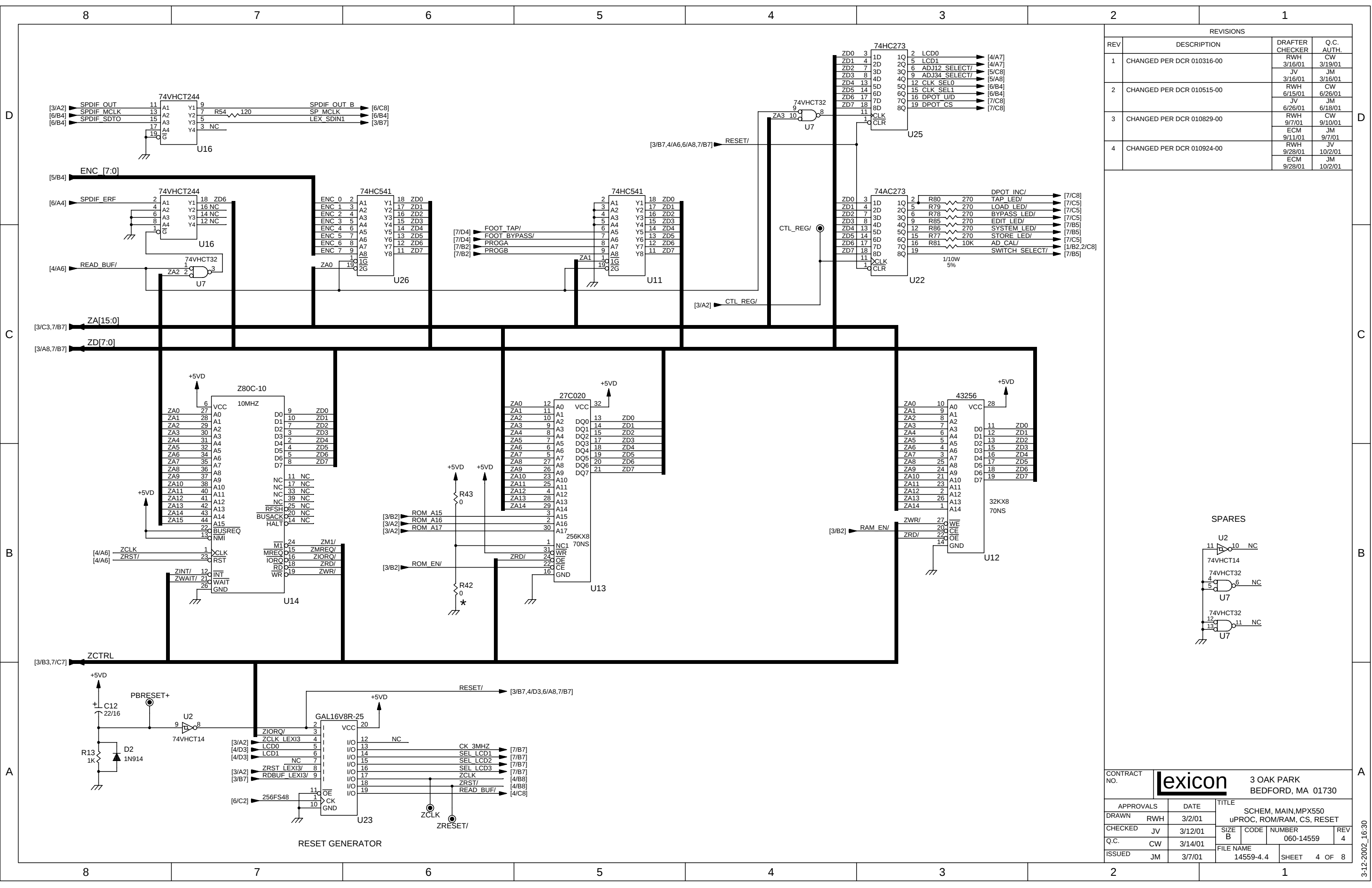
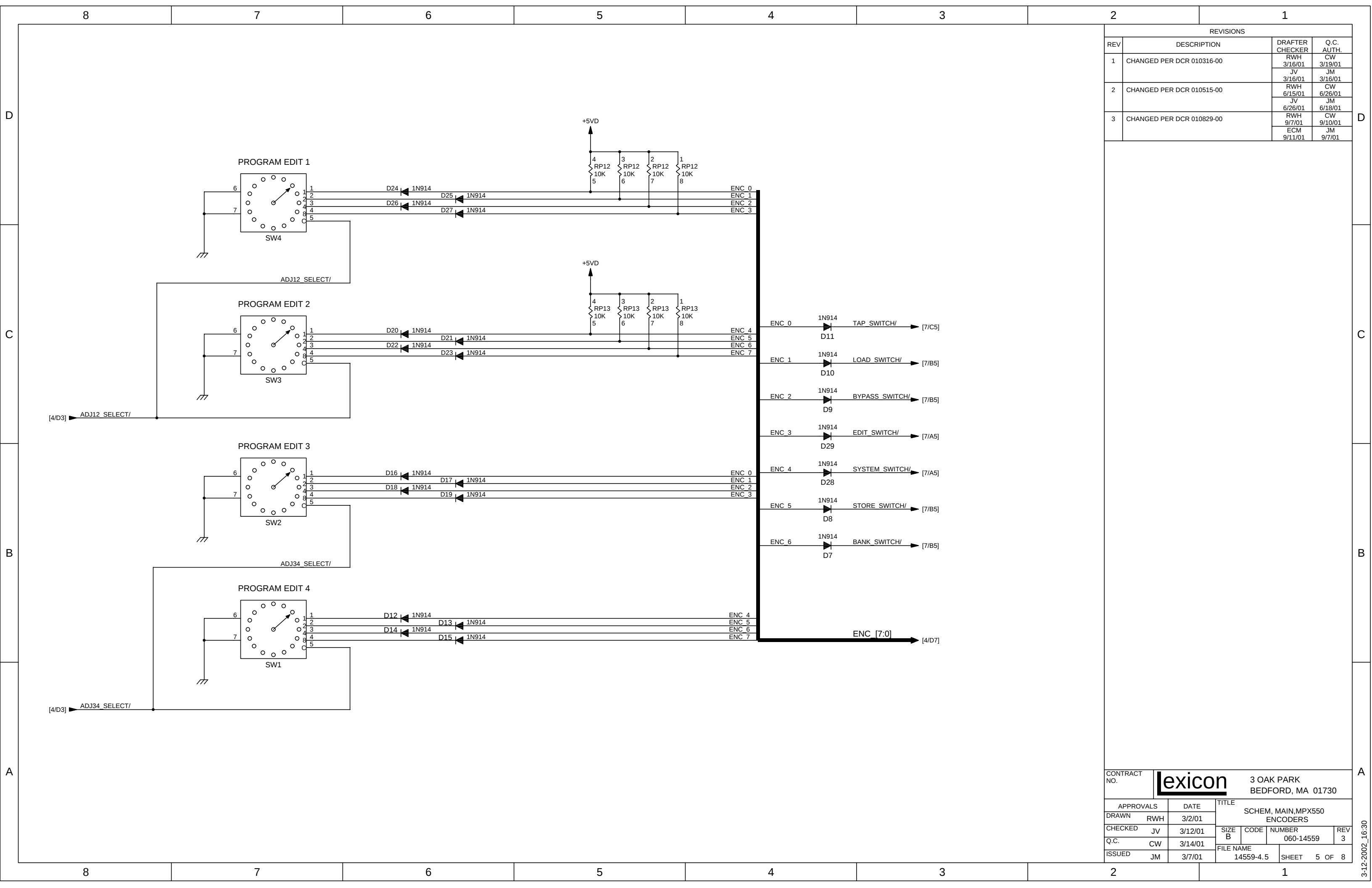






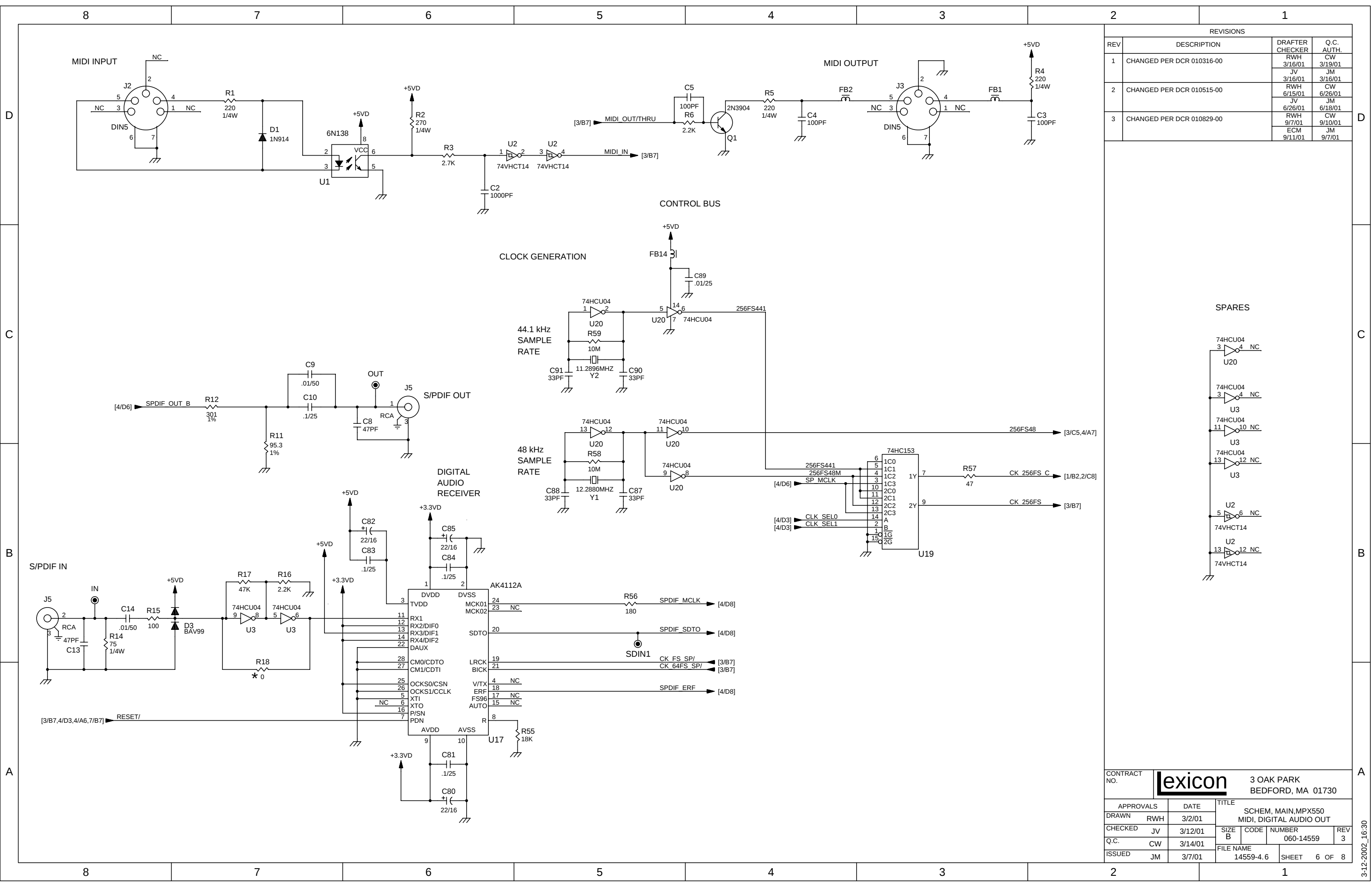


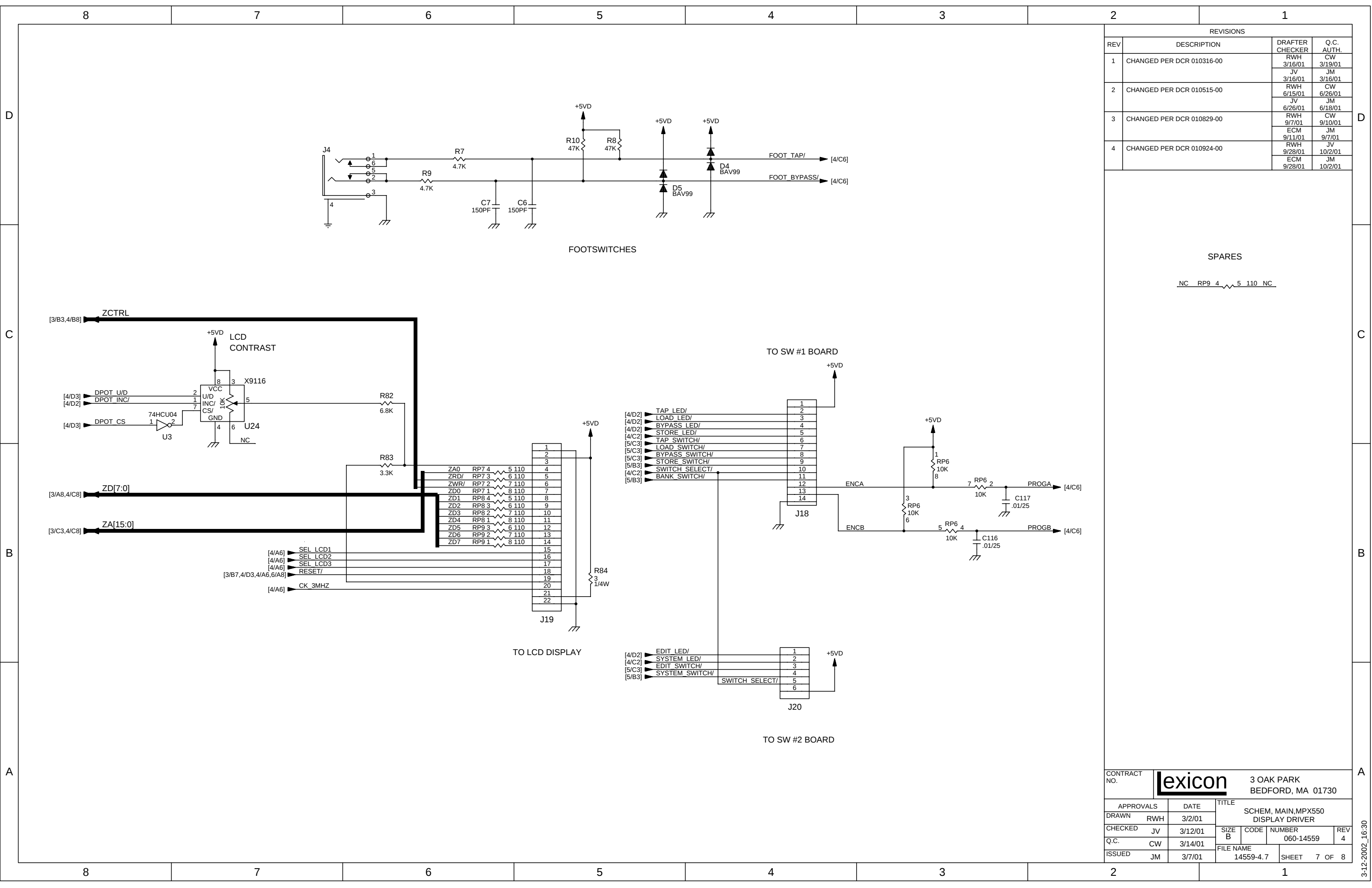


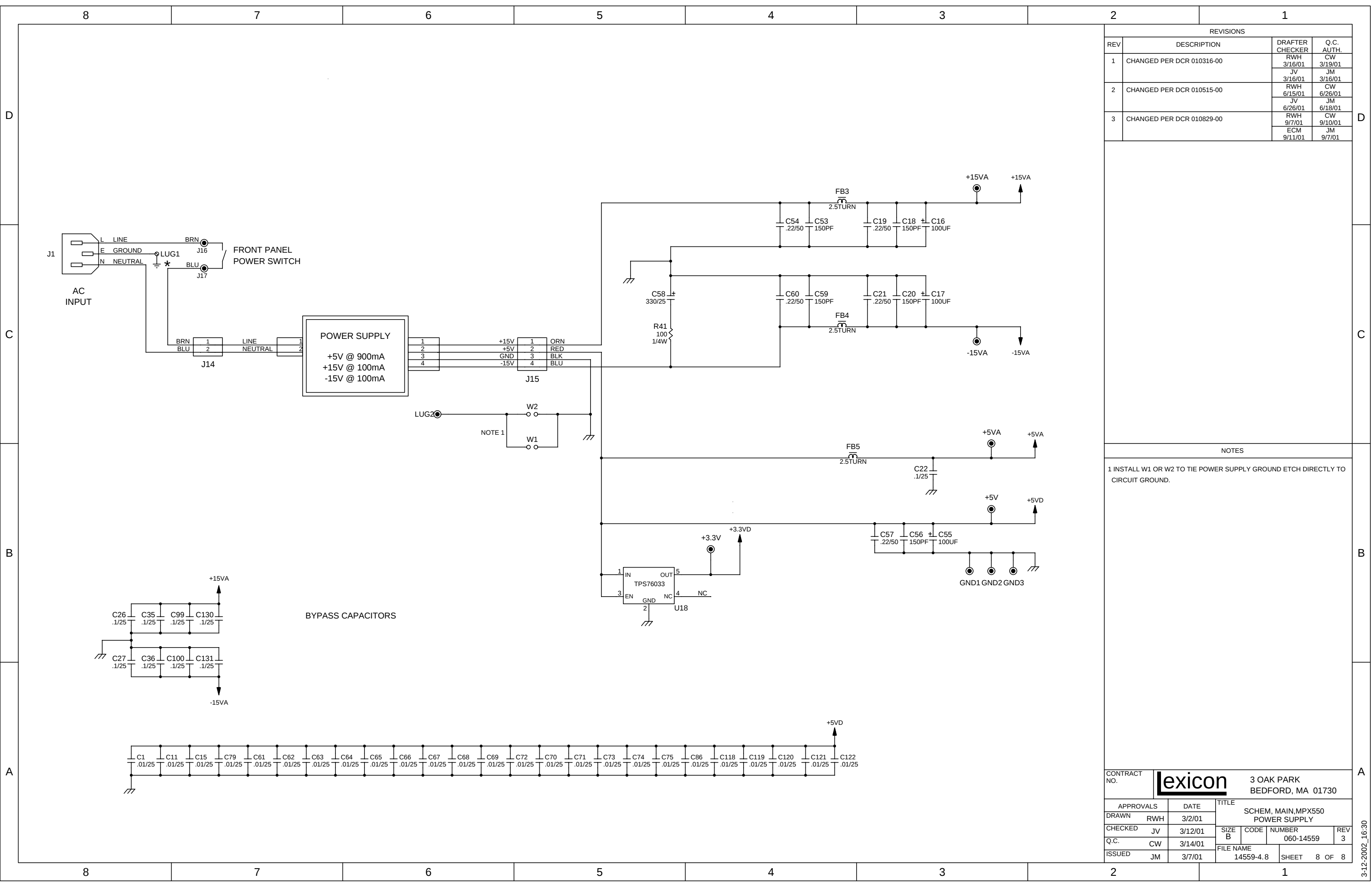


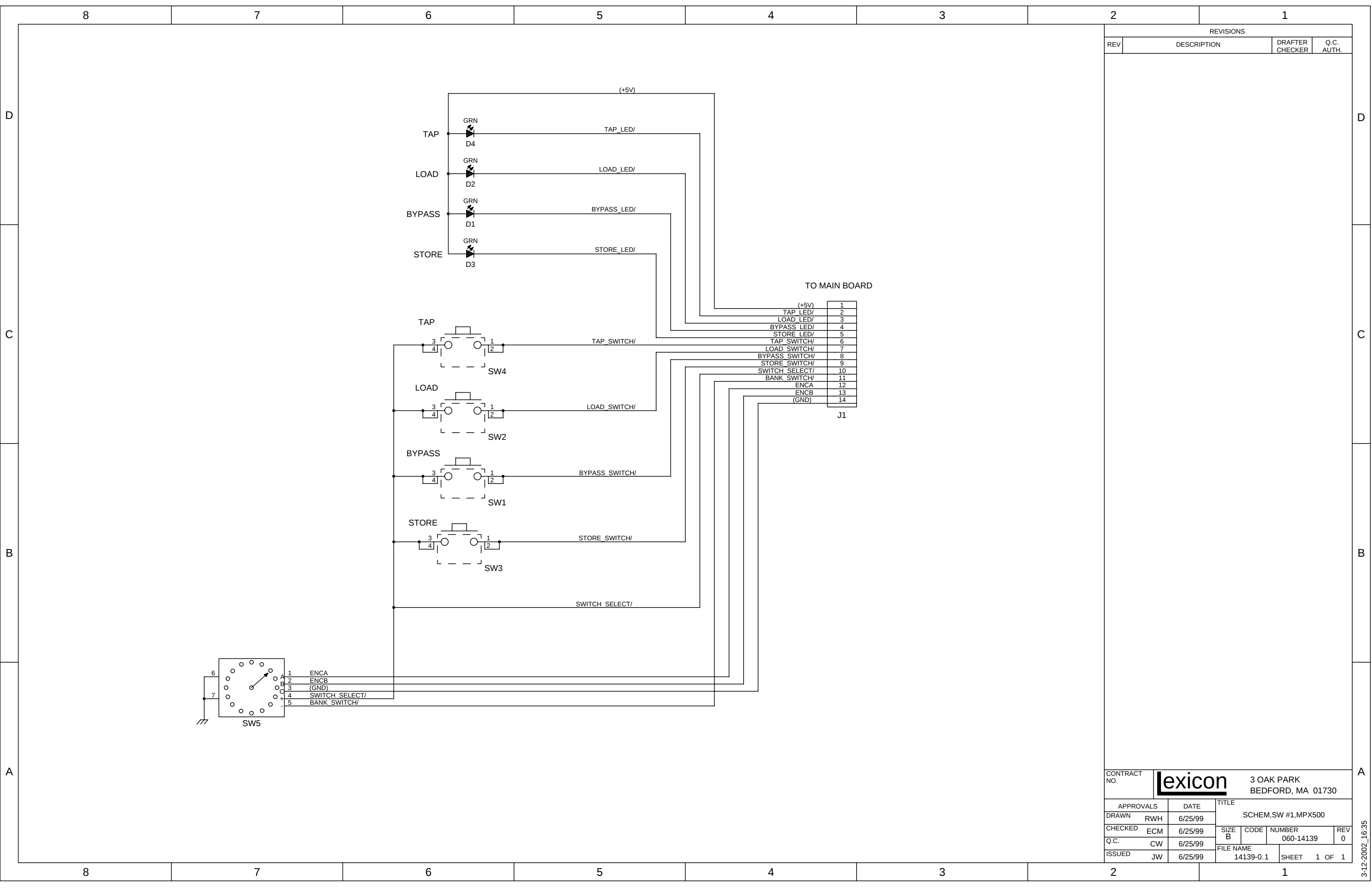
REVISIONS			
REV	DESCRIPTION	DRAFTER CHECKER	Q.C. AUTH.
1	CHANGED PER DCR 010316-00	RWH	CW
		3/16/01	3/19/01
		JV	JM
2	CHANGED PER DCR 010515-00	RWH	CW
		6/15/01	6/26/01
		JV	JM
3	CHANGED PER DCR 010829-00	RWH	CW
		9/7/01	9/10/01
		ECM	JM
		9/11/01	9/7/01

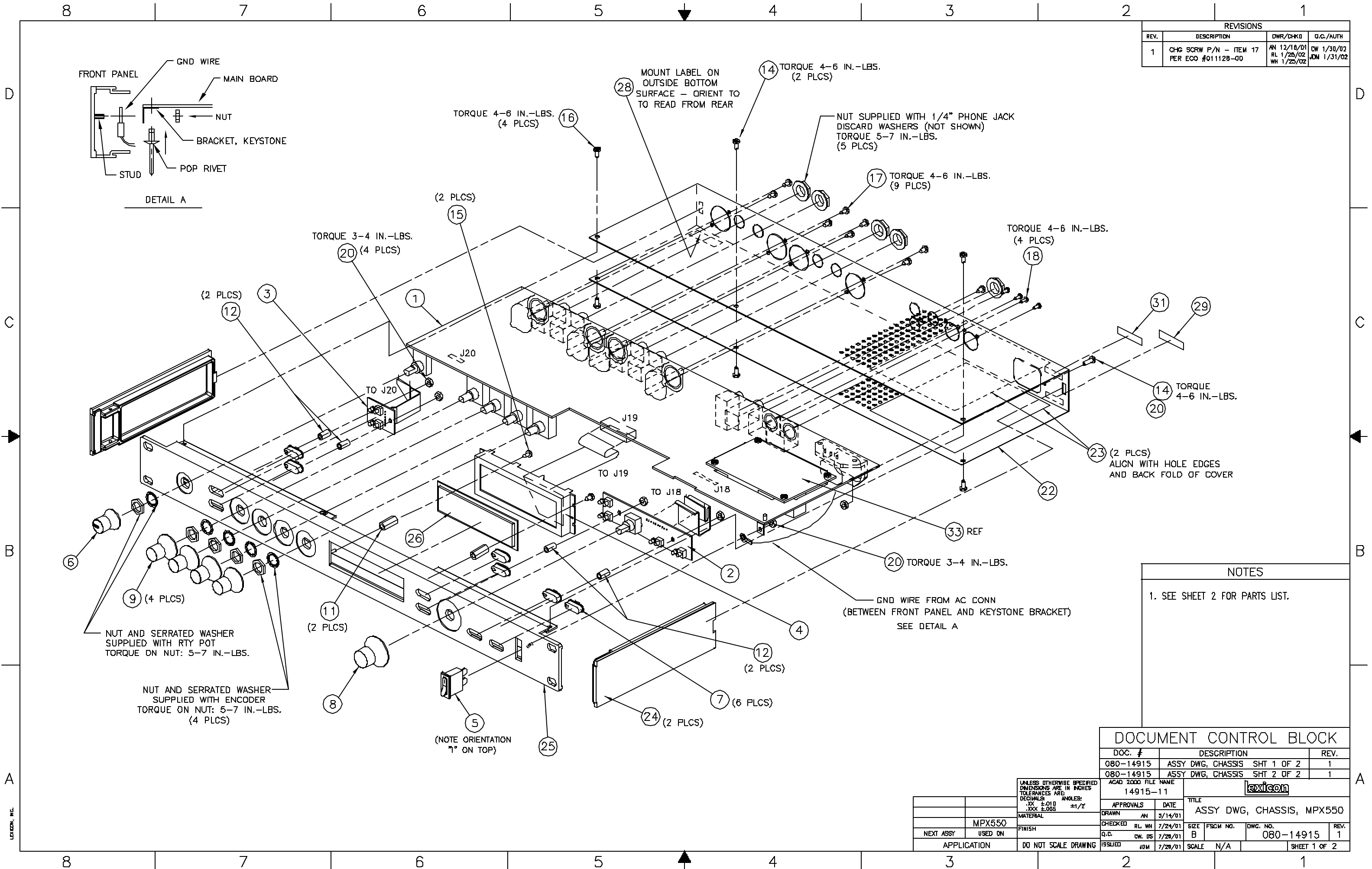
CONTRACT NO.		lexicon		3 OAK PARK BEDFORD, MA 01730	
APPROVALS		DATE		TITLE SCHEM, MAIN,MPX550 ENCODERS	
DRAWN RWH		3/2/01			
CHECKED JV		3/12/01		SIZE B	CODE
Q.C. CW		3/14/01		NUMBER 060-14559	
ISSUED JM		3/7/01		REV 3	
				FILE NAME 14559-4.5	
				SHEET 5 OF 8	











REVISIONS			
REV.	DESCRIPTION	DWR/CHKD	D.C./AUTH
1	CHG SCRW P/N - ITEM 17 PER ECO #011128-00	AN 12/18/01 RL 1/25/02 WH 1/25/02	CW 1/30/02 JDM 1/31/02

NOTES

1. SEE SHEET 2 FOR PARTS LIST.

DOCUMENT CONTROL BLOCK

DOC. #	DESCRIPTION	REV.
080-14915	ASSY DWG, CHASSIS SHT 1 OF 2	1
080-14915	ASSY DWG, CHASSIS SHT 2 OF 2	1

ACAD 2000 FILE NAME 14915-11		lexicon	
APPROVALS		DATE	
DRAWN	AN	3/14/01	
CHECKED	RL WH	7/24/01	
Q.C.	CW DS	7/28/01	
ISSUED	JDM	7/28/01	

SIZE	FSCM NO.	DWG. NO.	REV.
B		080-14915	1

SCALE	N/A	SHEET 1 OF 2	
-------	-----	--------------	--

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
DECIMALS ANGLES:
.XX ±.010 .XX ±.005 ±1/2°

MPX550	USED ON
APPLICATION	

DO NOT SCALE DRAWING

8

7

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2

1

REV.

DESCRIPTION

DWR/CHKD

Q.C./AUTH

1

CHG SCRW P/N - ITEM 17
PER ECO #011128-00

AN 12/18/01
RL 1/25/02
WH 1/25/02

DW 1/30/02
JDM 1/31/02

ITEM#	PART#	DESCRIPTION	QTY	WHERE USED
1.	023-14909	PL, MAIN BD ASSY	1	
2.	023-14111	PL, SW#1 BD ASSY	1	
3.	023-14112	PL, SW#2 BD ASSY	1	
4.	430-14152	DISP, LCD	1	
5.	454-11095	SWITCH, ROCKER, 1P2T, VERTSLIM	1	
6.	550-11929	KNOB, .69D, 6MM/FL, BLK, LINE	1	
7.	550-11931	BUTTON, .24X.64, BLK, W/LT PIPE	6	
8.	550-14169	KNOB, 1.05D, 6MM/FL, BLK	1	
9.	550-14639	KNOB, .85D, 6MM/FL, BLK	4	
10.				
11.	630-14114	SPCR, 4-40 X 7/16, 3/16 HEX, NYLON	2	DISPLAY TO FRONT PANEL
12.	635-12831	SPCR, .14 ID X .25OD X .375L, AL	4	SW BDS TO FRONT PANEL
13.				
14.	640-02812	SCRW, 4-40X3/8, PNH, PH, BZ	3	COVER TO FRONT PANEL (2), AC CONN (1)
15.	640-14115	SCRW, 4-40X3/16, PNH, PH, NYLON	2	DISPLAY TO FRONT PANEL
16.	641-10989	SCRW, TAP, #4X3/8, PNH, PH, BZ	4	COVER TO SIDE
17.	641-14898	SCRW, TAP, #4X1/4, PNH, PH, BZ, TRI	9	XLR & RCA CONN TO COVER
18.	641-12759	SCRW, TAP, #2X1/4, PNH, PH, BZ	4	DIN CONN TO COVER
19.				
20.	643-01732	NUT, 4-40, KEP, ZN	6	SW BDS TO FRONT PANEL (4), MAIN BD TO FRONT PANEL (1), AC CONN (1)
21.				
22.	700-14918	COVER	1	
23.	702-14177	COVER, PROTECTIVE, PS	2	COVER, INSIDE
24.	702-14640	PANEL, SIDE, ABS	2	
25.	702-14916	PANEL, FRONT	1	
26.	703-14167	LENS, CLR	1	
27.				
28.	740-08558	LABEL, TUV CERTIFIED, BAYERN	1	COVER, TOP
29.	740-09538	LABEL, S/N, CHASSIS	1	COVER, REAR
30.				
31.	740-13573	LABEL, MFR ID	1	COVER, REAR
32.				
33.	750-14151	PWR SUPPLY	REF	
34.				
35.				

NOTES

1. PART NUMBER LISTING IS FOR
REFERENCE ONLY AND DOES NOT
SUPERSEDE THE BOM:
#022-14908

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
DECIMALS .XX ±.010 ANGLE: ±1/2°
.XXX ±.005

ACAD 2000 FILE NAME
14915-12

APPROVALS
DRAWN AN 3/14/01
CHECKED RL WH 7/24/01
Q.C. CW. DS 7/26/01
ISSUED JDM 7/26/01

MPX550

FINISH

DO NOT SCALE DRAWING

14915-12

ASSY DWG, CHASSIS, MPX550

SIZE B FSCM NO. DWG. NO. 080-14915 REV. 1

SCALE N/A SHEET 2 OF 2

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LEXICON

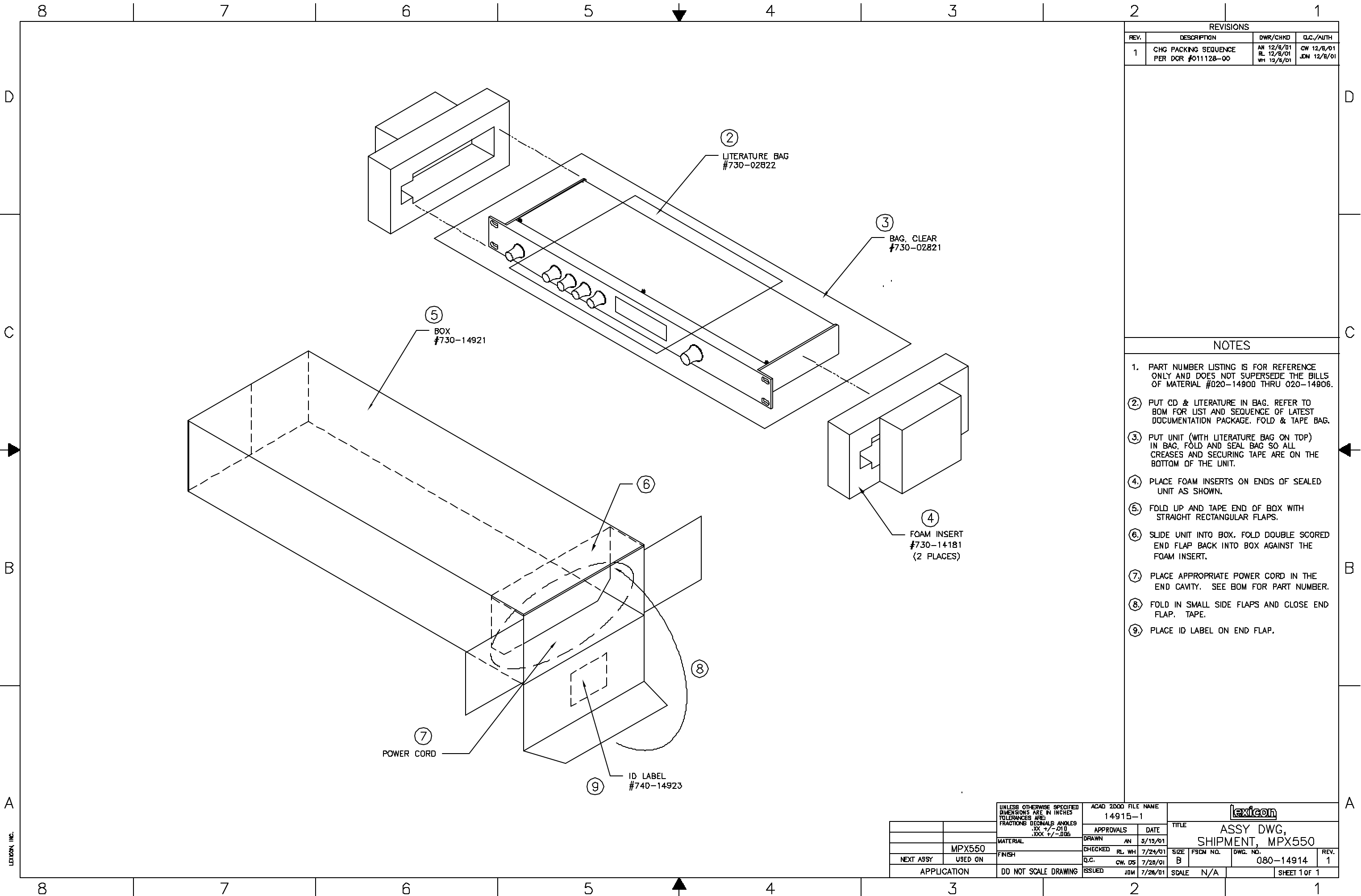
MPX550

DO NOT SCALE DRAWING

ISSUED JDM 7/26/01

SCALE N/A

SHEET 2 OF 2



REVISIONS			
REV.	DESCRIPTION	DWR/CHKD	D.C./AUTH
1	CHG PACKING SEQUENCE PER DCR #011128-00	AN 12/8/01 RL 12/8/01 WH 12/8/01	CW 12/8/01 JDM 12/8/01

NOTES

- PART NUMBER LISTING IS FOR REFERENCE ONLY AND DOES NOT SUPERSEDE THE BILLS OF MATERIAL #020-14900 THRU 020-14906.
- PUT CD & LITERATURE IN BAG. REFER TO BOM FOR LIST AND SEQUENCE OF LATEST DOCUMENTATION PACKAGE. FOLD & TAPE BAG.
- PUT UNIT (WITH LITERATURE BAG ON TOP) IN BAG. FOLD AND SEAL BAG SO ALL CREASES AND SECURING TAPE ARE ON THE BOTTOM OF THE UNIT.
- PLACE FOAM INSERTS ON ENDS OF SEALED UNIT AS SHOWN.
- FOLD UP AND TAPE END OF BOX WITH STRAIGHT RECTANGULAR FLAPS.
- SLIDE UNIT INTO BOX. FOLD DOUBLE SCORED END FLAP BACK INTO BOX AGAINST THE FOAM INSERT.
- PLACE APPROPRIATE POWER CORD IN THE END CAVITY. SEE BOM FOR PART NUMBER.
- FOLD IN SMALL SIDE FLAPS AND CLOSE END FLAP. TAPE.
- PLACE ID LABEL ON END FLAP.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES .XX +/- .010 .XXX +/- .005		ACAD 2D/3D FILE NAME 14915-1		lexicon	
APPROVALS		DATE		TITLE	
DRAWN	AN	5/15/01		ASSY DWG, SHIPMENT, MPX550	
CHECKED	RL WH	7/24/01		SIZE	FSDW NO.
D.C.	CW DS	7/26/01		B	DWG. NO.
ISSUED	JDM	7/26/01		SCALE	N/A
APPLICATION		DO NOT SCALE DRAWING		SHEET 1 OF 1	

BOMs from Minx 2/11/02

PART NO.	DESCRIPTION	QTY	EFFECTIVE	INACTIVE	REFERENCE
MPX550 MAIN BOARD ASSEMBLY					
120-14142	ADHESIVE,EPOXY,THERM COND	0.00			U17
200-14157	POT,RTY,10K15CX2,7MMFL,14,15L	1.00			R102
202-09795	RESSM,RO,5%,1/10W,2.2K OHM	2.00			R6,16
202-09871	RESSM,RO,5%,1/10W,1K OHM	1.00			R13
202-09899	RESSM,RO,5%,1/10W,47 OHM	2.00			R34,57
202-10557	RESSM,RO,5%,1/10W,4.7K OHM	2.00			R7,9
202-10558	RESSM,RO,5%,1/10W,47K OHM	4.00			R8,10,17,75
202-10559	RESSM,RO,5%,1/10W,100 OHM	3.00			R15,51,76
202-10569	RESSM,RO,5%,1/10W,10 OHM	1.00			R53
202-10570	RESSM,RO,5%,1/10W,120 OHM	1.00			R54
202-10574	RESSM,RO,5%,1/10W,10M OHM	2.00			R58,59
202-10586	RESSM,RO,5%,1/4W,100 OHM	1.00			R41
202-10597	RESSM,RO,5%,1/10W,180 OHM	1.00			R56
202-10891	RESSM,RO,5%,1/10W,270 OHM	6.00			R77-80,85,86
202-10946	RESSM,RO,5%,1/10W,3.3K OHM	1.00			R83
202-11041	RESSM,RO,5%,1/10W,680 OHM	1.00			R47
202-11042	RESSM,RO,5%,1/10W,6.8K OHM	1.00			R82
202-11071	RESSM,RO,5%,1/4W,75 OHM	1.00			R14
202-11072	RESSM,RO,5%,1/4W,220 OHM	3.00			R1,4,5
202-11073	RESSM,RO,5%,1/4W,270 OHM	5.00			R2,19,21,30,32
202-11347	RESSM,RO,5%,1/4W,3 OHM	1.00			R84
202-11683	RESSM,RO,5%,1/10W,5.1 OHM	1.00			R29
202-12836	RESSM,RO,5%,1/10W,2.7K OHM	1.00			R3
202-14584	RESSM,RO,5%,1/10W,10K OHM,0603	8.00			R44-46,48-50,52,81
202-14585	RESSM,RO,0 OHM,0603	1.00			R43
202-14619	RESSM,RO,5%,1/10W,18K OHM	1.00			R55
203-10583	RESSM,RO,1%,1/10W,10.0K OHM	16.00			R20,22,23,26,31,33 R35,38,60,63,70,73 R87,90,97,100 R61,62,65,67,88,89 R92,94
203-10896	RESSM,RO,1%,1/10W,1.00K OHM	8.00			R11
203-11075	RESSM,RO,1%,1/10W,95.3 OHM	1.00			R12
203-11726	RESSM,RO,1%,1/10W,301 OHM	1.00			R64,66,91,93
203-11992	RESSM,RO,1%,1/10W,174 OHM	4.00			R68,95
203-12481	RESSM,RO,1%,1/10W,1.5K OHM	2.00			R69,71,72,74,96 R98,99,101
203-12837	RESSM,RO,1%,1/10W,13.0K OHM	8.00			R24,25,36,37 R27,28,39,40 RP2,3,6,10-13 RP1,4,5,7-9 C80,82,85
203-14581	RESSM,THIN,1%,1/10W,715 OHM	4.00			C58
203-14582	RESSM,THIN,1%,1/10W,2.15K OHM	4.00			C98,103,129,134
205-14586	RESSM,NET,5%,ISOL,10KX4	7.00			C16,17,55
205-14587	RESSM,NET,5%,ISOL,110X4	6.00			C37,38,42,78,92,104 C109,110,115,124
240-00611	CAP,ELEC,22uF,16V,RAD	3.00			C48
240-01262	CAP,ELEC,330uF,25V,20%,RAD	1.00			C12
240-09367	CAPSM,ELEC,10uF,25V,NONPOL,20%	4.00			C94,95,125,126
240-09786	CAP,ELEC,100uF,25V,RAD,LOW ESR	3.00			C19,21,54,57,60
240-11827	CAPSM,ELEC,10uF,16V,20%	10.00			C9,14
240-12848	CAP,ELEC,3300uF,16V,20%,RAD	1.00			C2
240-13216	CAPSM,ELEC,22uF,16V,20%	1.00			C3-5
240-13217	CAPSM,ELEC,47uF,16V,20%	4.00			C6,7,18,20,23,25,32 C33,49-53,56,59
244-10423	CAP,MYL,.22uF,50V,RAD,5%,BOX	5.00			C24,34
245-09876	CAPSM,CER,.01uF,50V,Z5U,20%	2.00			C8,13,97,102,128,133
245-10416	CAPSM,CER,1000pF,50V,COG,5%	1.00			C28,29,44,46
245-10561	CAPSM,CER,100pF,50V,COG,5%	3.00			C30,31,45,47
245-10562	CAPSM,CER,150pF,50V,COG,10%	15.00			C106,112
245-10587	CAPSM,CER,18pF,50V,COG,10%	2.00			C87,88,90,91,96 C101,127,132
245-10976	CAPSM,CER,47pF,50V,COG,5%	6.00			C10,22,26,27,35,36 C39-41,43,81,83,84 C93,99,100,105,107 C108,111,113,114 C123,130,131
245-10977	CAPSM,CER,330pF,50V,COG,5%	4.00			C1,11,15,61-77,79
245-11593	CAPSM,CER,4700pF,50V,COG,5%	4.00			C86,89,116-122
245-11594	CAPSM,CER,2200pF,50V,COG,5%	2.00			FB3-5
245-11625	CAPSM,CER,33pF,50V,COG,5%	8.00			
245-12485	CAPSM,CER,.1uF,25V,Z5U,20%	25.00			
245-14588	CAPSM,CER,.01uF,25V,X7R,10%,06	30.00			
270-06671	FERRITE CHOKE,2.5 TURN	3.00			

270-11545	FERRITESM,CHIP,600 OHM,0805	12.00	FB1,2,6-15
300-10509	DIODESM,1N914,SOT23	26.00	D1,2,6-29
300-10563	DIODESM,DUAL,SERIES,GP,SOT23	3.00	D3-5
310-10510	TRANSISTORSM,2N3904,SOT23	1.00	Q1
330-10523	IC,HEX INVERTER,74HCU04,SOP	2.00	U3,20
330-10528	ICSM,DIGITAL,74HC153,SOIC	1.00	U19
330-10535	ICSM,DIGITAL,74AC273,SOIC	1.00	U22
330-10536	ICSM,DIGITAL,74HC273,SOIC	1.00	U25
330-10537	ICSM,DIGITAL,74HC541,SOIC	2.00	U11,26
330-11990	ICSM,LEXICHIP3B,100PIN,PQFP	1.00	U15
330-12451	ICSM,DIGITAL,74VHCT32,SOIC	1.00	U7
330-12452	ICSM,DIGITAL,74VHCT244,SOIC	1.00	U16
330-14642	ICSM,DIGITAL,74VHCT14,SOIC	1.00	U2
340-11573	ICSM,LIN,NJM4580,DUALOPAMP,SOP	4.00	U4,5,10,27
340-14643	ICSM,LIN,3.3V REG,LOPWR,SOT23	1.00	U18
345-14649	ICSM,RCVR,AK4112,24B,96k,VSOP	1.00	U17
350-12637	ICSM,DRAM,1MX16,70NS,SOJ	1.00	U8
350-13863	ICSM,SRAM,32KX8,70NS,SOIC,20uA	1.00	U12
350-14158	ICSM,EEPROM,24C32,32K,SER,SOIC	1.00	U9
350-14176	ICSM,GAL,16V8,MPX500,V1.00	1.00	U23
350-14930	ICSM,ROM,27C020,MPX550,V1.02	1.00	U13
355-13287	ICSM,DAC,AK4393,24BIT,STR,VSOP	1.00	U6
355-13829	ICSM,ADC,AKM5383,24b,96kHz,SOP	1.00	U21
355-14599	ICSM,DIGI-POT,10K,16TAPS,SPI	1.00	U24
365-09883	ICSM,uPROC,Z80,CMOS,10MHZ,QFP	1.00	U14
375-02247	IC,OPTO-ISOLATOR,6N138	1.00	U1
390-12361	CRYSTALSM,11.2896MHz,PAR,HC49	1.00	Y2
390-12362	CRYSTALSM,12.288MHz,PAR,HC49	1.00	Y1
452-14617	SW,RTY,ENC,16POS,4BIT,GRY,20MM	4.00	SW1-4
510-07888	CONN,AC,3MC,PCRA,IEC,10A	1.00	J1
510-09790	CONN,DIN,5FC@180DEG,PCRA,SHLD	2.00	J2,3
510-10881	CONN,XLR,3MC,PCRA,SMALL	2.00	J6,9
510-11087	1/4"PH JACK,PCRA,3C,SW-TR,G,FT	5.00	J4,7,8,11,12
510-13149	CONN,RCA,PCRA,1FCGX2V,WH/RED,G	1.00	J5
510-14156	CONN,FFC,1.25MM,22POS,PCRA	1.00	J19
510-14159	CONN,XLR,3FC,PCRA,NO LATCH,SM	2.00	J10,13
620-12428	LUG,#4,INT STAR,XLR GND	2.00	J6,9
635-05689	FASTNR,SWAGE,PCB,4-40X.065,SS	4.00	PS TO MAIN BD
640-01706	SCRW,4-40X3/8,PNH,PH,ZN	2.00	AC CONN (J1)
640-04339	SCRW,4-40X1/4,PNH,PH,SEMS,ZN	4.00	PS TO MAIN BD
643-01732	NUT,4-40,KEP,ZN	2.00	AC CONN (J1)
650-03970	POPRVT,1/8X1/8,REG PROT HD,SS	1.00	BRKT TO MAIN BD
675-08256	WIRE,22G,BLU,2.5",.187QDC/ST	1.00	J17
675-08257	WIRE,22G,BRN,2.5",.187QDC/ST	1.00	J16
675-14137	WIRE,18G,GRN/YEL,7",#6RING/SS	1.00	AC CONN (J1) TO FP
680-14173	CABLE,.156,HSG/ST&T,4C,3"	1.00	J15
680-14174	CABLE,.100,HSG/ST&T,2C,3"	1.00	J14
701-14147	BRACKET,KEYSTONE,633,.140DX2	1.00	MAIN BD MTG
704-14132	HEATSINK,TO220,.75X.5X.5"H	1.00	U15
710-14550	PC BD,MAIN,MPX550	1.00	REV 4 PC BOARD
740-11287	LABEL,S/N,PCB,PRINTED	1.00	
750-14151	PWR SUP,+5V/+15V/-15V,16.5W	1.00	

MPX550 SWITCH BOARD #1 ASSEMBLY

430-07326	LED,T1,GRN,LITEON	4.00	D1-4
452-14155	SW,RTY,ENC,24POS,12MM,PBM	1.00	SW5
453-12166	SW,PBM,1P1T,6MMSQ,250GF	4.00	SW1-4
630-14190	SPCR,LED,T1,2MMH	4.00	D1-4
680-14171	CABLE,RIB,24-26AWG,14CX.1,3"L	1.00	J1
710-14130	PC BD,SW#1,MPX500	1.00	REV 1 PC BOARD

MPX550 SWITCH BOARD #2 ASSEMBLY

430-07326	LED,T1,GRN,LITEON	2.00	D1,2
453-12166	SW,PBM,1P1T,6MMSQ,250GF	2.00	SW1,2
630-14190	SPCR,LED,T1,2MMH	2.00	D1,2
680-14170	CABLE,RIB,24-26AWG,6CX.1,3"L	1.00	J1
710-14140	PC BD,SW#2,MPX500	1.00	REV 0 PC BOARD

MPX550 MECHANICAL ASSEMBLY

430-14152	DISP, LCD, 150X32DOTS, 12:00, FFC	1.00		
454-11095	SW, ROCKER, 1P2T, 6A@250, VERTSLIM	1.00		
550-11929	KNOB, .69D, 6MM/FL, BLK, LINE	1.00		
550-11931	BUTTON, .24X.64, BLK, W/LT PIPE	6.00		
550-14169	KNOB, 1.05D, 6MM/FL, BLK	1.00		
550-14639	KNOB, .85/.37D, 6MM/FL, BLK	4.00		
630-14114	SPCR, 4-40X7/16, 3/16HEX, NYL	2.00		DISPLAY
635-12831	SPCR, .14IDX.25ODX.375L, AL	4.00		SW BDS TO FP
640-02812	SCRW, 4-40X3/8, PNH, PH, BLK	1.00		AC CONN
640-02812	SCRW, 4-40X3/8, PNH, PH, BLK	2.00		COVER TO FP
640-14115	SCRW, 4-40X3/16, PNH, PH, NYL	2.00		DISPLAY
641-10989	SCRW, TAP, AB, 4X3/8, PNH, PH, BZ	4.00		CVR TO SIDE PAN
641-11466	SCRW, TAP, #4X3/8, PNH, PH, BZ, TRI	9.00	12/14/01	XLR & RCA CONN
641-12759	SCRW, TAP, AB, #2X1/4, PNH, PH, BZ	4.00		DIN CONN
641-14898	SCRW, TAP, #4X1/4, PNH, PH, BZ, TRI	9.00	12/14/01	XLR & RCA CONN
643-01732	NUT, 4-40, KEP, ZN	5.00		SW BDS TO FP (4);
				KEYSTONE TO FP (1)
643-01732	NUT, 4-40, KEP, ZN	1.00		AC CONN
700-14918	COVER, MPX550	1.00		
702-14177	COVER, PROTECTIVE, PS, 4.10X4.10	2.00		COVER, INSIDE
702-14640	PANEL, SIDE, 1.71X5.42, ABS	2.00		
702-14916	PANEL, FRONT, MPX550	1.00		
703-14167	LENS, 3.37X.87, CLR	1.00		
740-08558	LABEL, TUV CERTIFIED, BAYERN	1.00		TOP COVER
740-09538	LABEL, S/N, CHASSIS, PRINTED	1.00		REAR COVER
740-13573	LABEL, MFR ID, .9X.25, SILVER	1.00		REAR COVER

MPX550 SHIP/PACKAGING MATERIAL

070-14912	GUIDE, USER, MPX550	1.00
080-14914	ASSY DWG, SHIPMENT, MPX550	0.00
730-14181	INSERT, FOAM, ENDCAP, 1UX5.5	2.00
730-14921	BOX, DSPLY, 22X8X4, MPX550	1.00
750-14924	CD, LIT, MULTI-LANG, MPX550	1.00

MPX550 POWER CORD OPTIONS

680-09149	CORD, POWER, IEC, 10A, 2M, NA, SVT	1.00
680-08830	CORD, POWER, IEC, 6A, 2M, EURO	1.00
680-10093	CORD, POWER, IEC, 5A, 2M, UK	1.00
680-10094	CORD, POWER, IEC, 6A, 2M, ITALY	1.00
680-10095	CORD, POWER, IEC, 6A, 2M, SWISS	1.00
680-10096	CORD, POWER, IEC, 6A, 2M, AUSTRALIA	1.00
680-10097	CORD, POWER, IEC, 6A, 2M, JAPAN	1.00