



GE Medical Systems

Technical Publications

2218867–100

Revision 2

ADVANTX LCA/LCV+ Positioner Schematics sch

do not duplicate

Copyright © 1998, 1999 by General Electric Co.

ATTENTION

LES APPAREILS À RAYONS X SONT DANGEREUX À LA FOIS POUR LE PATIENT ET POUR LE MANIPULATEUR SI LES MESURES DE PROTECTION NE SONT PAS STRICTEMENT APPLIQUEES

Bien que cet appareil soit construit selon les normes de sécurité les plus sévères, la source de rayonnement X représente un danger lorsque le manipulateur est non qualifié ou non averti. Une exposition excessive au rayonnement X entraîne des dommages à l'organisme.

Par conséquent, toutes les précautions doivent être prises pour éviter que les personnes non autorisées ou non qualifiées utilisent cet appareil créant ainsi un danger pour les autres et pour elles-mêmes.

Avant chaque manipulation, les personnes qualifiées et autorisées à se servir de cet appareil doivent se renseigner sur les mesures de protection établies par la Commission Internationale de la Protection Radiologique, Annales 26 : Recommandations de la Commission Internationale sur la Protection Radiologique et les normes nationales en vigueur.

WARNING

X-RAY EQUIPMENT IS DANGEROUS TO BOTH PATIENT AND OPERATOR UNLESS MEASURES OF PROTECTION ARE STRICTLY OBSERVED

Though this equipment is built to the highest standards of electrical and mechanical safety, the useful x-ray beam becomes a source of danger in the hands of the unauthorized or unqualified operator. Excessive exposure to x-radiation causes damage to human tissue.

Therefore, adequate precautions must be taken to prevent unauthorized or unqualified persons from operating this equipment or exposing themselves or others to its radiation.

Before operation, persons qualified and authorized to operate this equipment should be familiar with the Recommendations of the International Commission on Radiological Protection, contained in Annals Number 26 of the ICRP, and with applicable national standards.

ATENCION

LOS APARATOS DE RAYOS X SON PELIGROSOS PARA EL PACIENTE Y EL MANIPULADOR CUANDO LAS NORMAS DE PROTECCION NO ESTAN OBSERVADAS

Aunque este aparato está construido según las normas de seguridad más estrictas, la radiación X constituye un peligro al ser manipulado por personas no autorizadas o incompetentes. Una exposición excesiva a la radiación X puede causar daños al organismo.

Por consiguiente, se deberán tomar todas las precauciones necesarias para evitar que las personas incompetentes o no autorizadas utilicen este aparato, lo que sería un peligro para los demás y para sí mismas.

Antes de efectuar las manipulaciones, las personas habilitadas y competentes en el uso de este aparato, deberán informarse sobre las normas de protección fijadas por la Comisión Internacional de la Protección Radiológica, Anales No 26: Recomendaciones de la Comisión Internacional sobre la Protección Radiológica y normas nacionales.

ACHTUNG

RÖNTGENAPPARATE SIND EINE GEFAHR FÜR PATIENTEN SOWIE BEDienungSPERSONAL, WENN DIE GELTENDEN SICHERHEITSVORKEHRUNGEN NICHT GENAU BEACHTET WERDEN

Dieser Apparat entspricht in seiner Bauweise strengsten elektrischen und mechanischen Sicherheitsnormen, doch in den Händen unbefugter oder unqualifizierter Personen wird er zu einer Gefahrenquelle. Übermäßige Röntgenbestrahlung ist für den menschlichen Organismus schädlich.

Deswegen sind hinreichende Vorsichtsmaßnahmen erforderlich, um zu verhindern, daßunbefugte oder unqualifizierte Personen solche Geräte bedienen oder sich selbst und andere Personen deren Bestrahlung aussetzen können.

Vor Inbetriebnahme dieses Apparats sollte sich das qualifizierte und befugte Bedienungspersonal mit den geltenden Kriterien für den gefahrlosen Strahleneinsatz durch sorgfältiges Studium des Hefts Nr. 26 der Internationalen Kommission für Strahlenschutz (ICRP) vertraut machen: Empfehlungen der Internationalen Kommission für Strahlenschutz und anderer nationaler Normenbehörden.

WARNING

VOLTAGE PRESENT

Before any intervention:

1. Switch **OFF** CB2 on the AC Power Distribution (VPE1 A2 A25) in Positioner Cabinet.
2. Switch **OFF** Positioner Cabinet Circuit Breaker in Generator Power Cabinet.

LOCK OUT/ TAG OUT

When necessary, perform the following lock out/ tag out procedure:

1. Cut the customer power distribution cabinet from its energy source.
2. Inform all concerned parties of the lockout.
3. Lock and put a lockout label on the cabinet.
4. Verify the absence of voltage in the cabinet.
5. Proceed with service to the equipment.
6. Unlock the cabinet and remove the label from the cabinet.
7. Power-up the system.

Blank page.

REVISION HISTORY

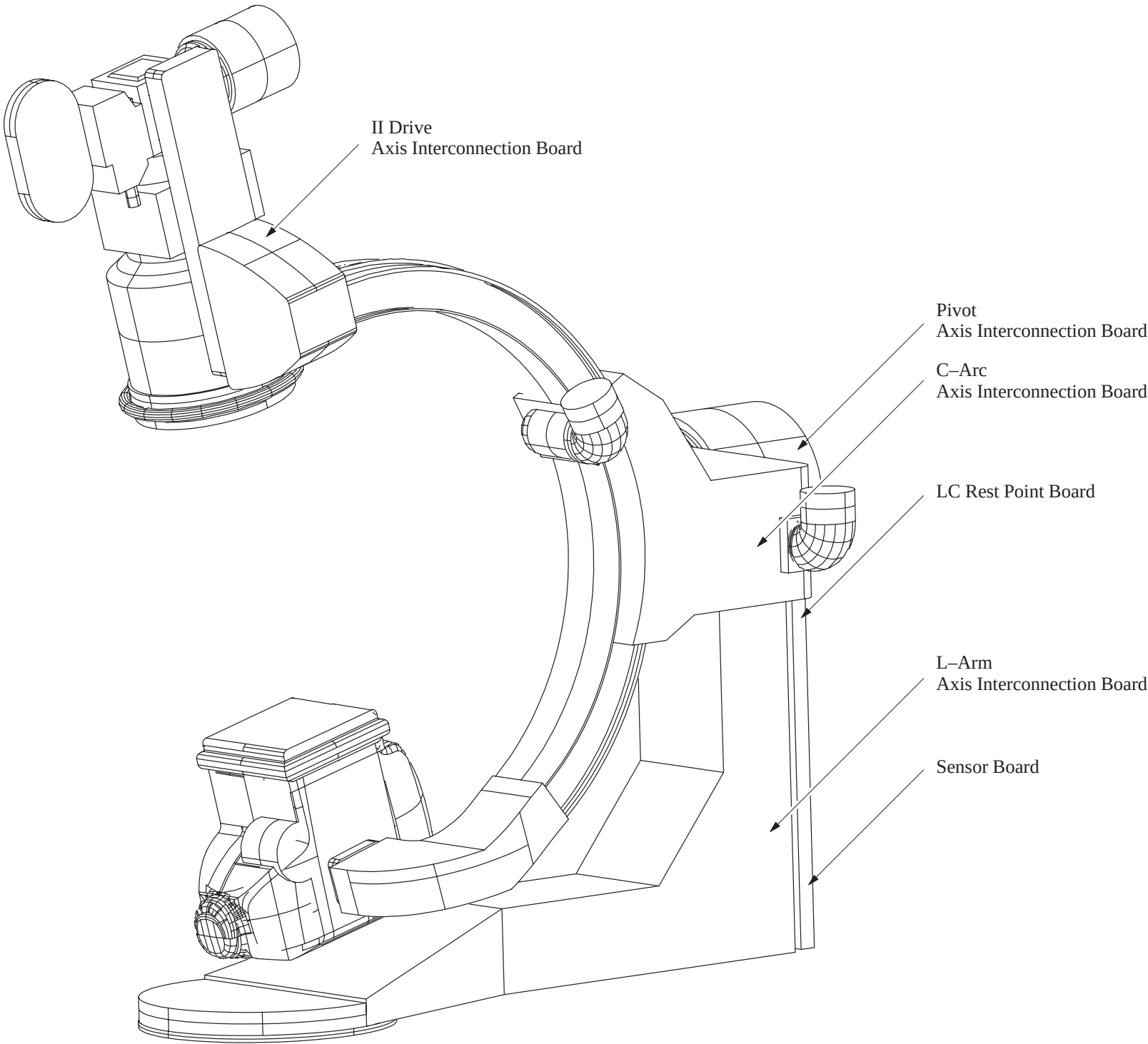
REV	DATE	REASON FOR CHANGE
0	September 1998	First release
1	October 1998	Update
2	April 1999	NF2 update: updated 2211392ADW and 2211392SCH

LIST OF EFFECTIVE PAGES

PAGE NUMBER	REVISION NUMBER	PAGE NUMBER	REVISION NUMBER	PAGE NUMBER	REVISION NUMBER
Title page	2				
Safety Instruction	2				
i thru vi	2				
1–1 thru 1–14	2				
2–1 thru 2–14	2				

Blank page.

SECTION 1
BOARDS LOCALIZATION



Blank page

SECTION 2
LIST OF THE SCHEMATICS

1. INTERCONNECTION

TITLE	DRAWING NUMBER	PAGE NUMBER
Interconnection Block Diagram	–	1–3
External Connectors Description (1/3 to 3/3)	–	1–4 TO 1–6
Power Rest Box Harness	2212632 ADW	1–7
Positioner Interconnection (1/6 to 6/6)	2221705 SCH	1–8 TO 1–13

2. ELECTRONIC BOARDS

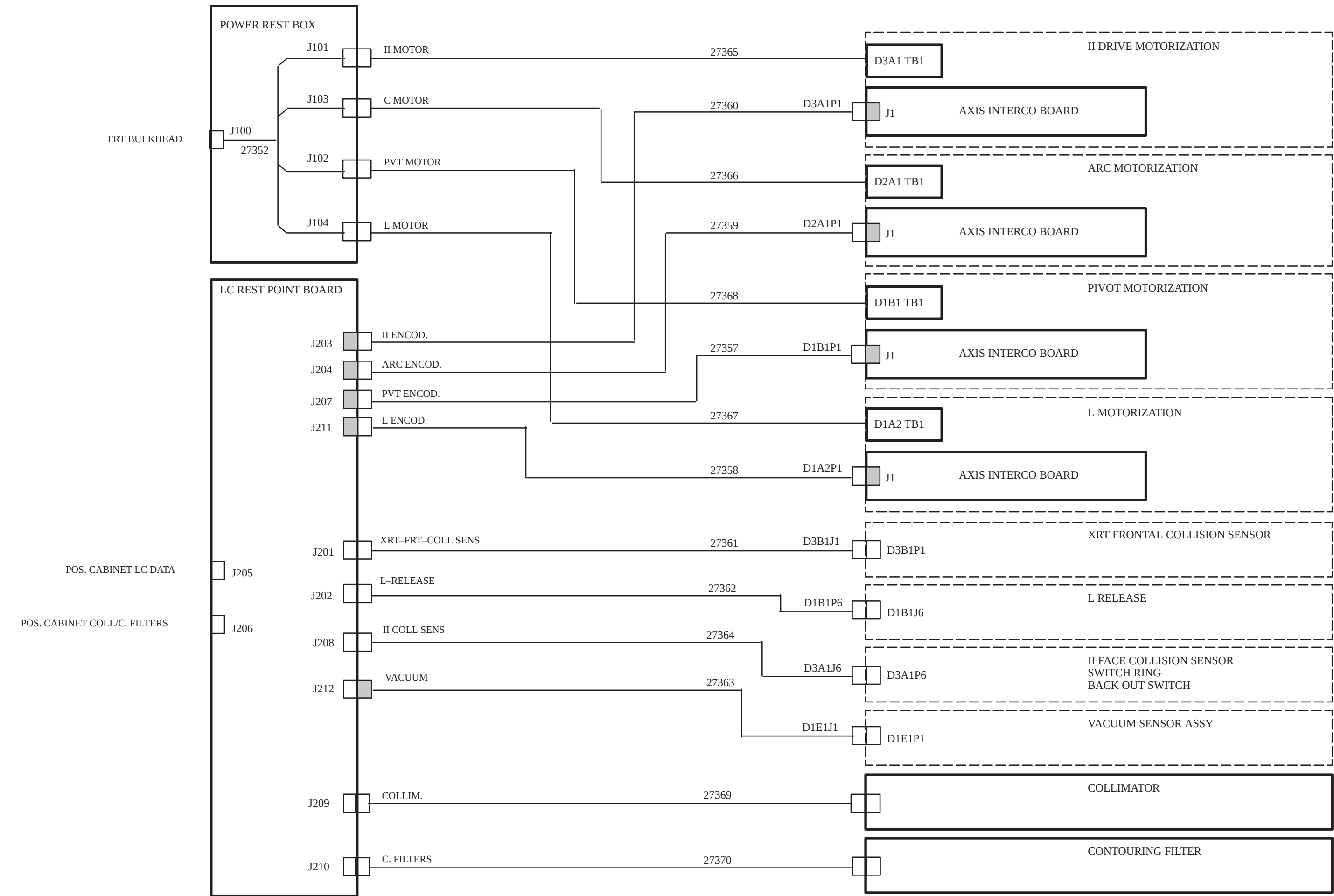
TITLE	DRAWING NUMBER	PAGE NUMBER
LC Rest Point Board Component Layout	2211392 ADW	2–2
LC Rest Point Board Circuit Diagram (1/3 to 3/3)	2211392 SCH	2–3 TO 2–5
Axis Interconnection Board Component Layout	2130920 ADW	2–6
Axis Interconnection Board Circuit Diagram	2130920 SCH	2–7 TO 2–9
Collision Sensor Block Diagram	–	2–10
Collision Sensor Board Component Layout	2102376 ADW	2–11
Collision Sensor Board Circuit Diagram	2102376 SCH	2–12 TO 2–14

Blank page

1. INTERCONNECTION

TITLE	DRAWING NUMBER	PAGE NUMBER
Interconnection Block Diagram	–	1–3
External Connectors Description (1/3 to 3/3)	–	1–4 TO 1–6
Power Rest Box Harness	2212632 ADW	1–7
Positioner Interconnection (1/6 to 6/6)	2221705 SCH	1–8 TO 1–13

POSITIONER INTERCONNECTION BLOCK DIAGRAM



N	SIGNAL	POWER REST BOX OUTPUTS	DESTINATION
1	BRK + L	J104–7	D1A2TB1–4
2	MOT – ARC	J103–3	D2A1TB1–2
3	MOT + ARC	J103–4	D2A1TB1–1
4	BRK1 + PVT	J102–5	B1
5	MOT – L	J104–3	D1A2TB1–2
6	MOT – L	J104–6	D1A2TB1–2
7	MOT – ARC	J103–6	D2A1TB1–2
8	MOT + ARC	J103–1	D2A1TB1–1
9	MOT – II	J101–3	D3A1TB1–2
10	BRK2 – PVT	J102–8	D1B1TB1–5
11	MOT + L	J104–4	D1A2TB1–1
12	BRK1 – PVT	J102–9	B1
13	BRK + ARC	J103–7	D2A1TB1–4
14	MOT – II	J101–6	D3A1TB1–2
15	BRK2 + PVT	J102 – 7	D1B1TB1–4
16	MOT + L	J104–1	D1A2TB1–1
17	MOT + PVT	J102–1	D1B1TB1–1
18	MOT – PVT	J102–3	D1B1TB1–2
19	MOT + II	J101–1	D3A1TB1–1
20	MOT + II	J101–4	D3A1TB1–1
21	BRK – L	J104–9	D1A2TB1–5
22	MOT + PVT	J102–4	D1B1TB1–1
23	MOT – PVT	J102–6	D1B1TB1–2
24	BRK – ARC	J103–9	D2A1TB1–5

EXTERNAL CONNECTORS DESCRIPTION (2/3)

J205 – POS. CABINET LC DATA (FROM POS CABLE: DATA LCA)

N	SIGNAL	REST POINT BOARD OUTPUTS	DESTINATION	AXIS INTERCO BD II/ARC/PVT/L
1	CHASSIS GND	J211–15	D1A2P1–15	15 (L)
2	PGENCA	J211–11	D1A2P1–11	11 (L)
3	CHASSIS GND	J207–15	D1B1P1–15	15 (PVT)
4	PGENCB	J207–11	D1B1P1–11	11 (PVT)
5	CHASSIS GND	J203–15	D3A1P1–15	15 (II)
6	PGENCD	J203–11	D3A1P1–11	11 (II)
7	CHASSIS GND	J204–4	D2A1P1–4	4 (ARC)
8	PGENCC	J204–11	D2A1P1–11	11 (ARC)
9	A_PHAp	J211–14	D1A2P1–14	14 (L)
10	A_PHAn	J211–13	D1A2P1–13	13 (L)
11	A_PHBp	J211–9	D1A2P1–9	9 (L)
12	A_PHBn	J211–10	D1A2P1–10	10 (L)
13	C_PHAp	J204–14	D2A1P1–14	14 (ARC)
14	C_PHAn	J204–13	D2A1P1–13	13 (ARC)
15	C_PHBp	J204–9	D2A1P1–9	9 (ARC)
16	C_PHBn	J204–10	D2A1P1–10	10 (ARC)
17	C_POTn	J204–2	D2A1P1–2	2 (ARC)
18	C_POTp	J204–1	D2A1P1–1	1 (ARC)
19	C_REF	J204–3	D2A1P1–3	3 (ARC)
20	C_GND	J204–15	D2A1P1–15	15 (ARC)
21				
22				
23				
24				
25				
26				
27	PUCK INTER 1	J212–9	D1E1J1–9	
28	EMERGENCY STOP N	J212–3	D1E1J1–7	
29	FIB 21p	J212–1	D1E1J1–6	
30	FIB 21n	J212–7	D1E1J1–4	
31	FIB 11p	J208–1	D3A1J6–10	
32	FIB 11n	J208–9	D3A1J6–9	
33	P24R	J212–5	D1E1J1–1	
34	P24R		D1E1J1–1	
35	P24R		D1E1J1–1	
36	SW LVI II	J208–10	D3A1J6–12	
37	FRI 10p	J208–3	D3A1J6–6	
38	FRI 10n	J208–11	D3A1J6–5	
39	FRI 1Up	J208–4	D3A1J6–7	
40	FRI 1Un	J208–12	D3A1J6–8	
41	SW3	J208–5	D3A1J6–3	
42	FPIIEN	J208–13	D3A1J6–4	
43	AUX CTRL SWn	J208–6	D3A1J6–2	
44	AUX CTRL SWp	J208–14	D3A1J6–1	
45	EMERGENCY STOP P (AUX LIMIT SW)	J208–7	D3A1J6–13	
46	AUX LIMIT SW	J208–8	D3A1J6–14	
47	LANGRID	J208–2	D3A1J6–11	
48	SW LVI COLL BIS	J201–5	D3B1J1–5	
49	FXB 11p	J201–1	D3B1J1–1	
50	FXB 11n	J201–2	D3B1J1–2	

N	SIGNAL	REST POINT BOARD OUTPUTS	DESTINATION	AXIS INTERCO BD II/ARC/PVT/L
51	A_GND	J211–4	D1A2P1–4	4 (L)
52	A_REF	J211–3	D1A2P1–3	3 (L)
53	A_POTp	J211–1	D1A2P1–1	1 (L)
54	A_POTn	J211–2	D1A2P1–2	2 (L)
55	B_GND	J207–4	D1B1P1–4	4 (PVT)
56	B_REF	J207–3	D1B1P1–3	3 (PVT)
57	B_POTp	J207–1	D1B1P1–1	1 (PVT)
58	B_POTn	J207–2	D1B1P1–2	2 (PVT)
59	B_PHAp	J207–14	D1B1P1–14	14 (PVT)
60	B_PHAn	J207–13	D1B1P1–13	13 (PVT)
61	B_PHBp	J207–9	D1B1P1–9	9 (PVT)
62	B_PHBn	J207–10	D1B1P1–10	10 (PVT)
63	D_PHAp	J203–14	D3A1P1–14	14 (II)
64	D_PHAn	J203–13	D3A1P1–13	13 (II)
65	D_PHBp	J203–9	D3A1P1–9	9 (II)
66	D_PHBn	J203–10	D3A1P1–10	10 (II)
67	D_GND	J203–4	D3A1P1–4	4 (II)
68	D_REF	J203–3	D3A1P1–3	3 (II)
69	D_POTp	J203–1	D3A1P1–1	1 (II)
70	D_POTn	J203–2	D3A1P1–2	2 (II)
71	0V Vacuum	J212–2		
72	0V Vacuum	J212–8		
73				
74				
75				
76				
77				
78				
79	FPII HDSTP	J203–6	D3A1P1–6	6 (II)
80	D_HDSTP	J203–8	D3A1P1–8	8 (II)
81	D_HDSTP	J203–5	D3A1P1–5	5 (II)
82	D_LIMSWn	J203–7	D3A1P1–7	7 (II)
83	HDSTP	J211–6 (L) J207–6 (PVT) J204–6 (ARC)	D1A2P1–6 (L) D1B1P1–6 (PVT) D1B1P1–6 (ARC)	6 (L) 6 (PVT) 6 (ARC)
84	A_HDSTP	J211–8	D1A2P1–8	8 (L)
85	A_HDSTP	J211–5	D1A2P1–5	5 (L)
86	A_LIMSWn	J211–7	D1A2P1–7	7 (L)
87	HDSTP	J211–6 (L) J207–6 (PVT) J204–6 (ARC)	D1A2P1–6 (L) D1B1P1–6 (PVT) D1B1P1–6 (ARC)	6 (L) 6 (PVT) 6 (ARC)
88	B_HDSTP	J207–8	D1B1P1–8	8 (PVT)
89	B_HDSTP	J207–5	D1B1P1–5	5 (PVT)
90	B_LIMSWn	J207–7	D1B1P1–7	7 (PVT)
91	HDSTP	J211–6 (L) J207–6 (PVT) J204–6 (ARC)	D1A2P1–6 (L) D1B1P1–6 (PVT) D1B1P1–6 (ARC)	6 (L) 6 (PVT) 6 (ARC)
92	C_HDSTP	J204–8	D2A1P1–8	8 (ARC)
93	C_HDSTP	J204–5	D2A1P1–5	5 (ARC)
94	C_LIMSWn	J204–7	D2A1P1–7	7 (ARC)
95				
96	P24R	J212–5	D1E1J1–1	
97				
98				
99	P24 FUSED	J202–1	D1B1P6–1	
100	SW1–	J202–2	D1B1P6–2	

INTERCONNECTION

J206 – POS. CABINET COLL/C. FILTERS (FROM POS CABLE: COLL/ CONTOURING F.)

N	SIGNAL	REST POINT BOARD OUTPUTS	COLLIMATOR	CONTOUR FILTER
1	FGA1	J210–7		7
2	GND	J210–18		18
3	ROTB1	J210–8		8
4	FDB1	J210–3		3
5	ROTATION 1	J210–11		11
6	GND		MM	
7	ROTM1A	J210–5		5
8	ROTM2A	J210–4		4
9	OBL+1	J209–13	FF	
10	FILTER_P1	J209–12	R	
11	GND	J209–4/9/10	S	
12	GND		T	
13	P10 REF1_2	J209–7	BB	
14	P20V1	J209–6	D	
15	GND		HH	
16	M2VLONG1	J209–3	B	
17	W11R1S1	J209–1	U	
18	FGB1	J210–6		6
19	ROTA1	J210–9		9
20	FDA1	J210–19		19
21	GND	J210–25		
22	CONTOUR_1	J210–24		24
23	GND		NN	
24	FGM2A	J210–15		15
25	FDM1A	J210–2		2
26	OBL–1	J209–25	W	
27	KEY1	J209–11	V	
28	TUBE_SEL_1	J209–22	K	
29	P1C1	J209–8	L	
30	P2C1	J209–19	AA	
31	P3C1	J209–5	J	
32	M1VLONG1	J209–16	H	
33	M1VLAT1	J209–2	X	
34	FG_INDEX_1	J210–13		13
35	FD_INDEX_1	J210–12		12
36	GND	J210–23	F	23

N	SIGNAL	REST POINT BOARD OUTPUTS	COLLIMATOR	CONTOUR FILTER
37	ROT_INDEX_1	J210–14		14
38	GND		N	
39	P5V1	J210–20		20
40	FGM1A	J210–16		16
41	FDM2A	J210–1		1
42				
43	F_LAMP_B1	J209–24	C	
44	SAFETY_1	J209–23	JJ	
45	P10 REF1_1	J209–21	M	
46	P10V1	J209–20	DD	
47	P30V1	J209–18	A	
48	P10 REF1_3	J209–17	CC	
49	M2V LAT1	J209–15	Y	
50	M21R1S1	J209–14	P	

B	SEAL FPT	BAYLE	15/05/98	BUCCg25787	AJ BRK2-PVT		
REV	MODIFIE PAR	VERIFIE PAR	DATE	NUMERO MODIF.	DESCRIPTION		
REVISIONS							

ATTENTION
RESPECTER LE DETROMPAGE

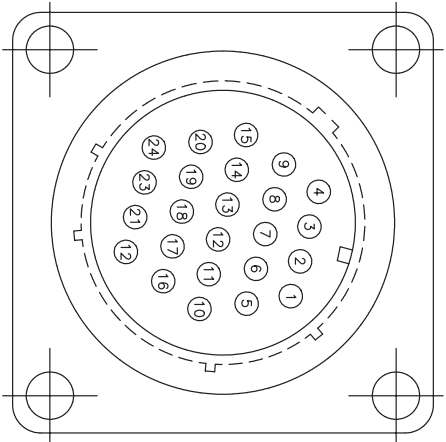
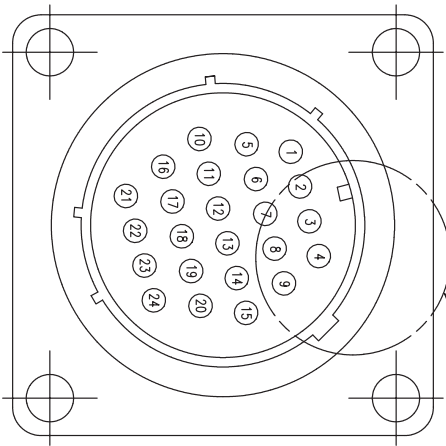
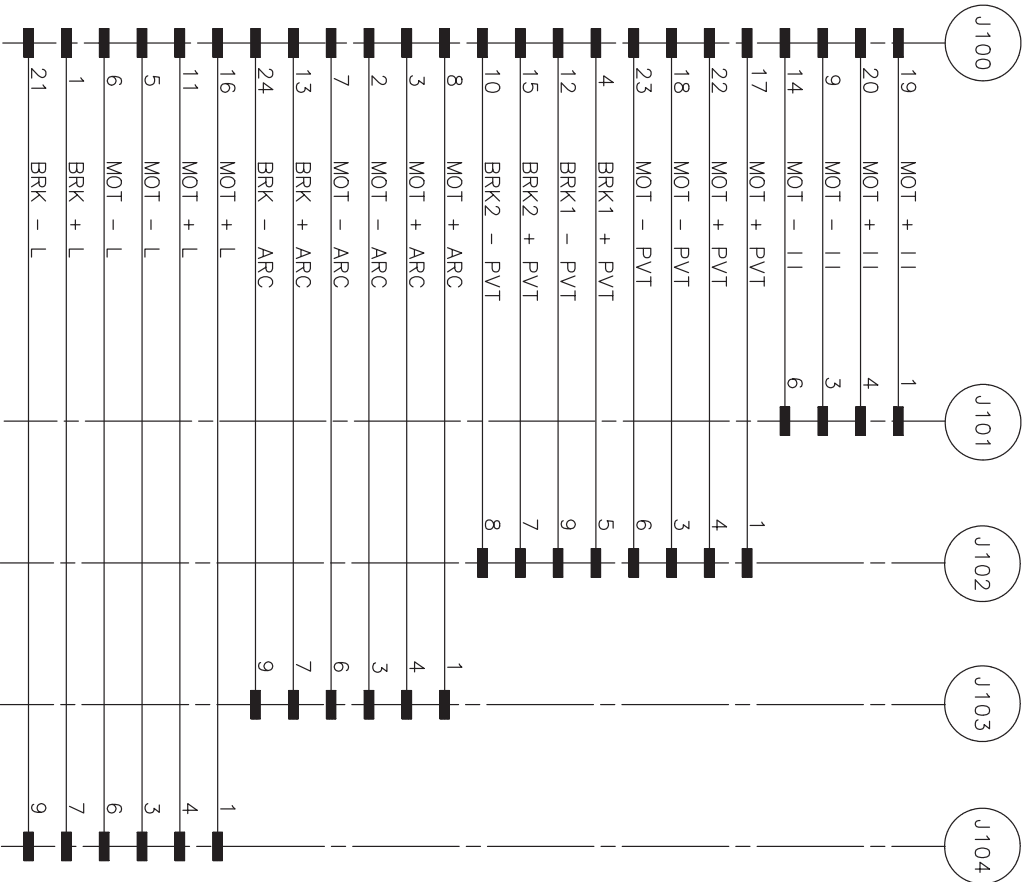


DIAGRAMME DE CABLAGE



Ce document est la propriété de GE Medical Systems. Il ne peut être ni reproduit, ni communiqué à des tiers sans autorisation écrite d'une personne mandatée spécialement à cet effet par la dite Société.

TOLERANCES GENERALES

LONGUEUR ≤ 2M : ±0.02 M/M AVEC UN MINIMUM DE ±0.01M.

LONGUEUR > 2M : ±0.04 M/M.

TITRE
27352-TORON REPOS PUISSANCE

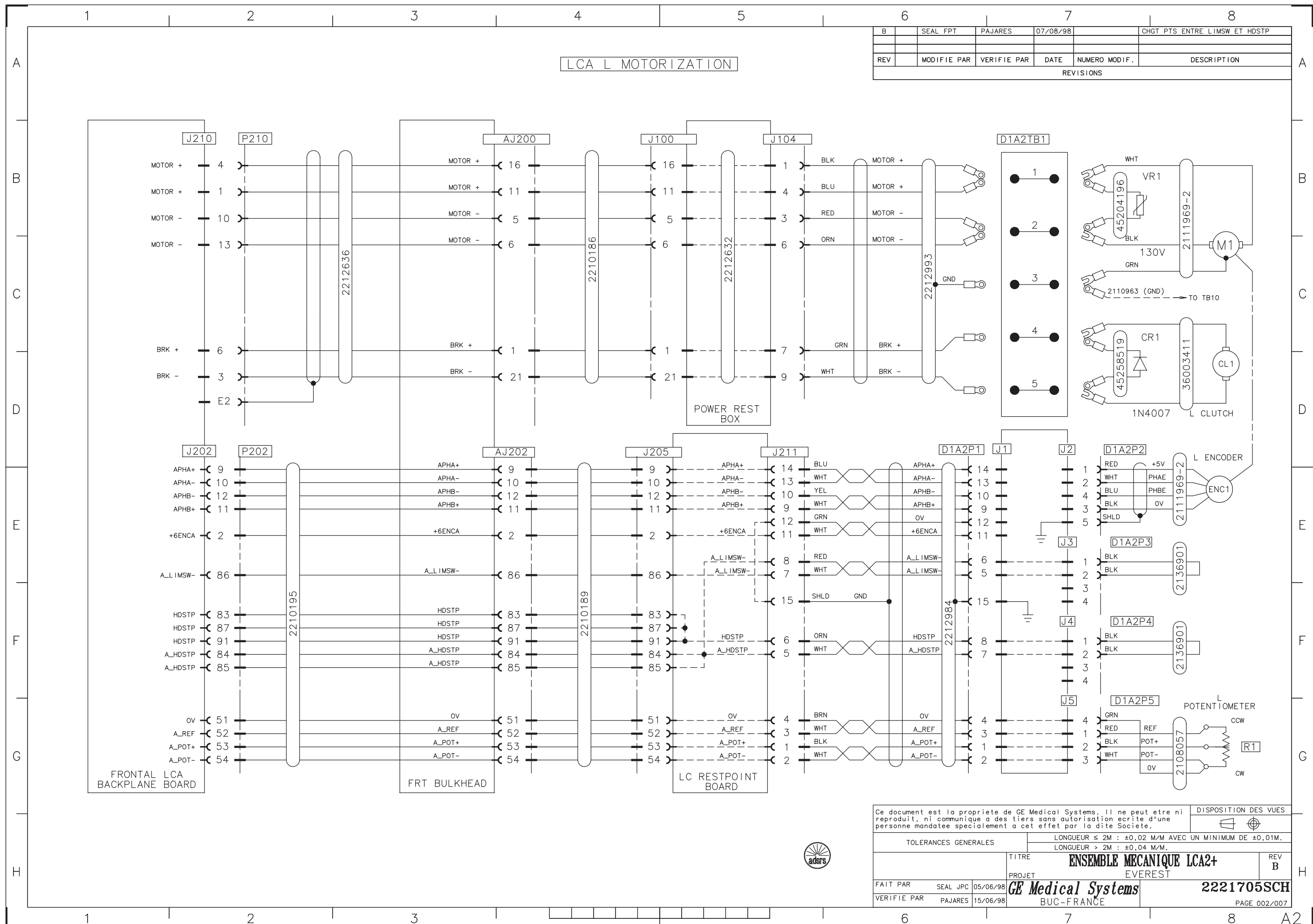
REV
B

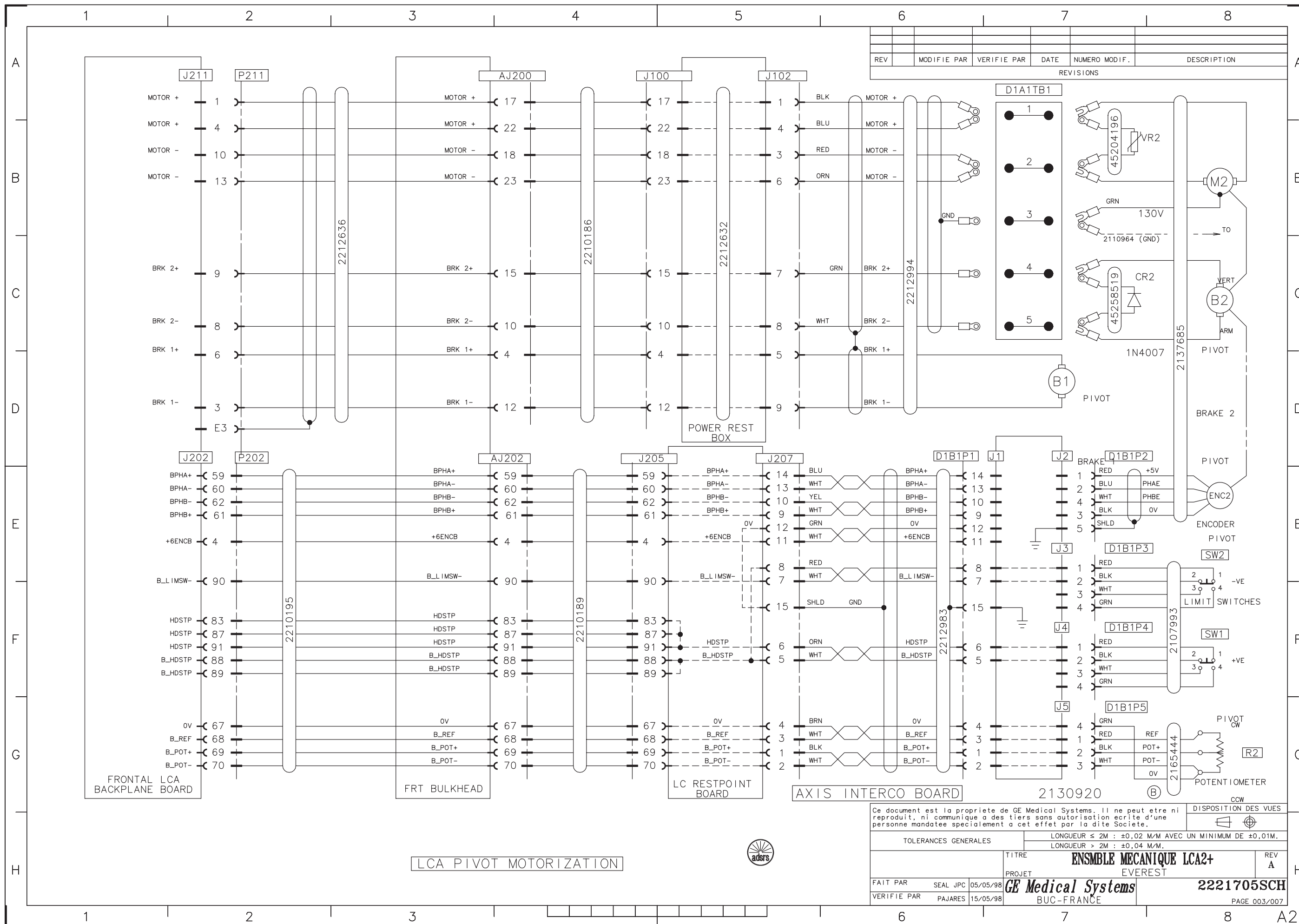
FAIT PAR SEAL PMN 09/04/98
VERIFIE PAR BAYLE 09/04/98

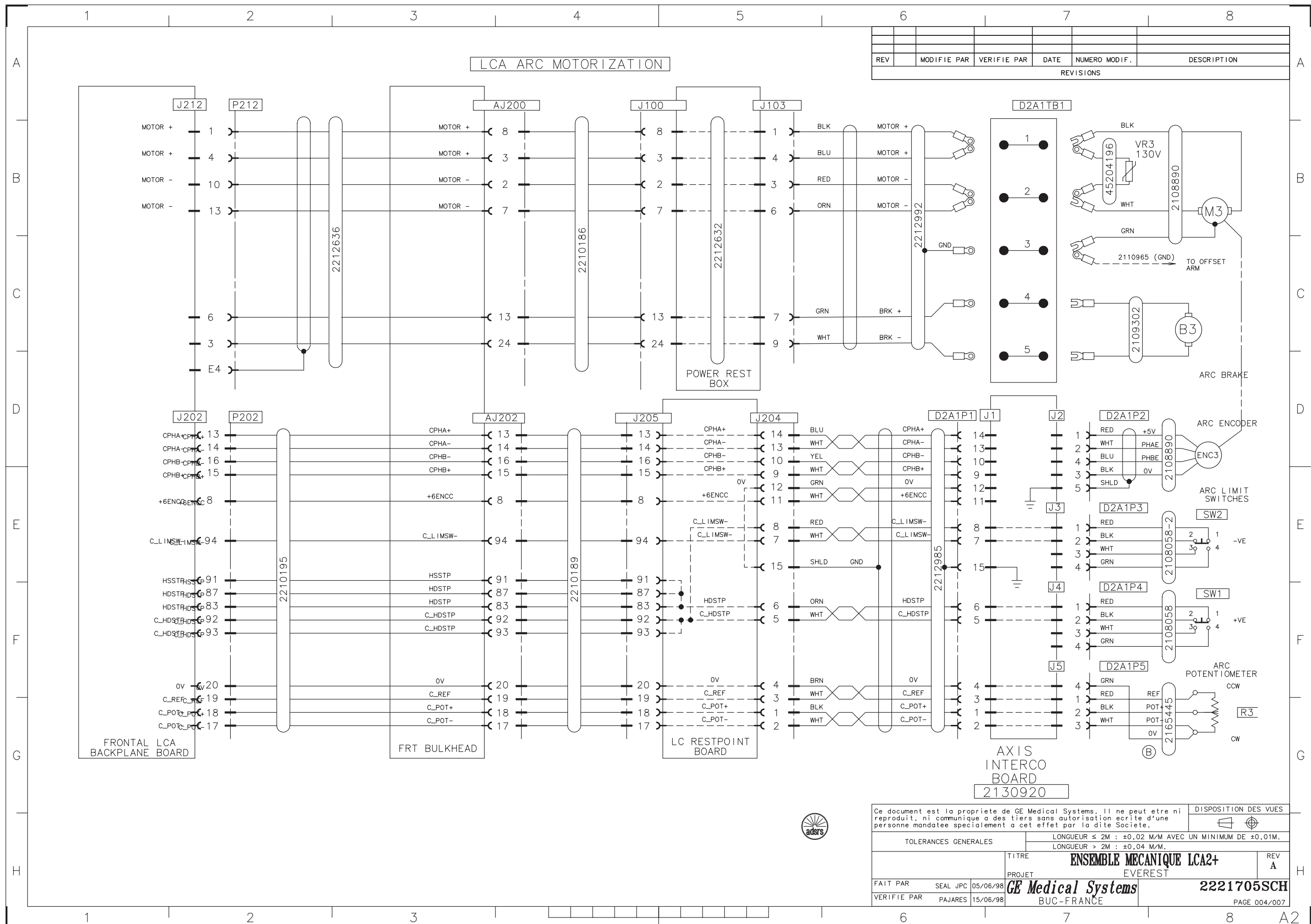
PROJET
GE Medical Systems

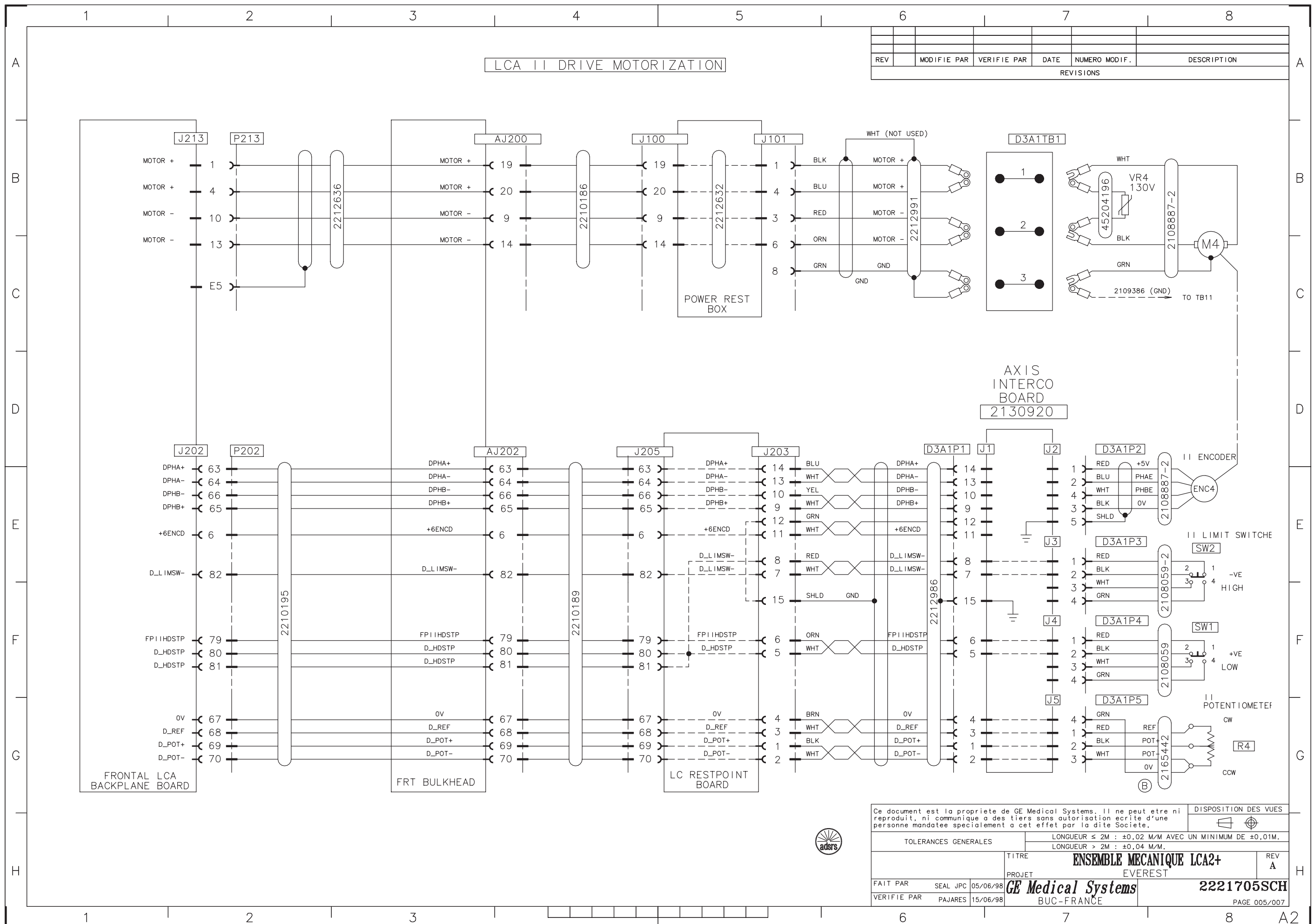
EVEREST
2212632ADW

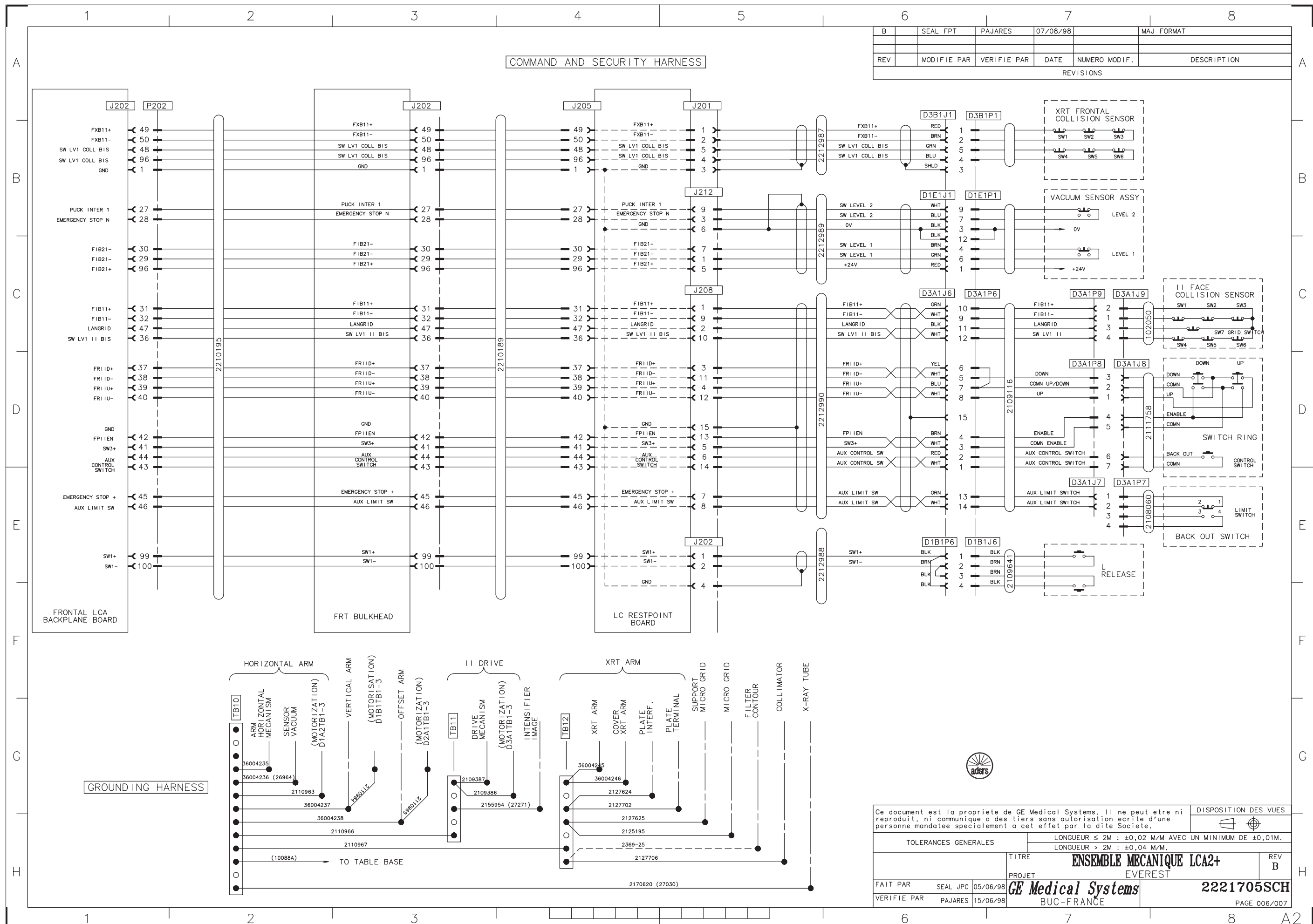
PAGE 001/001





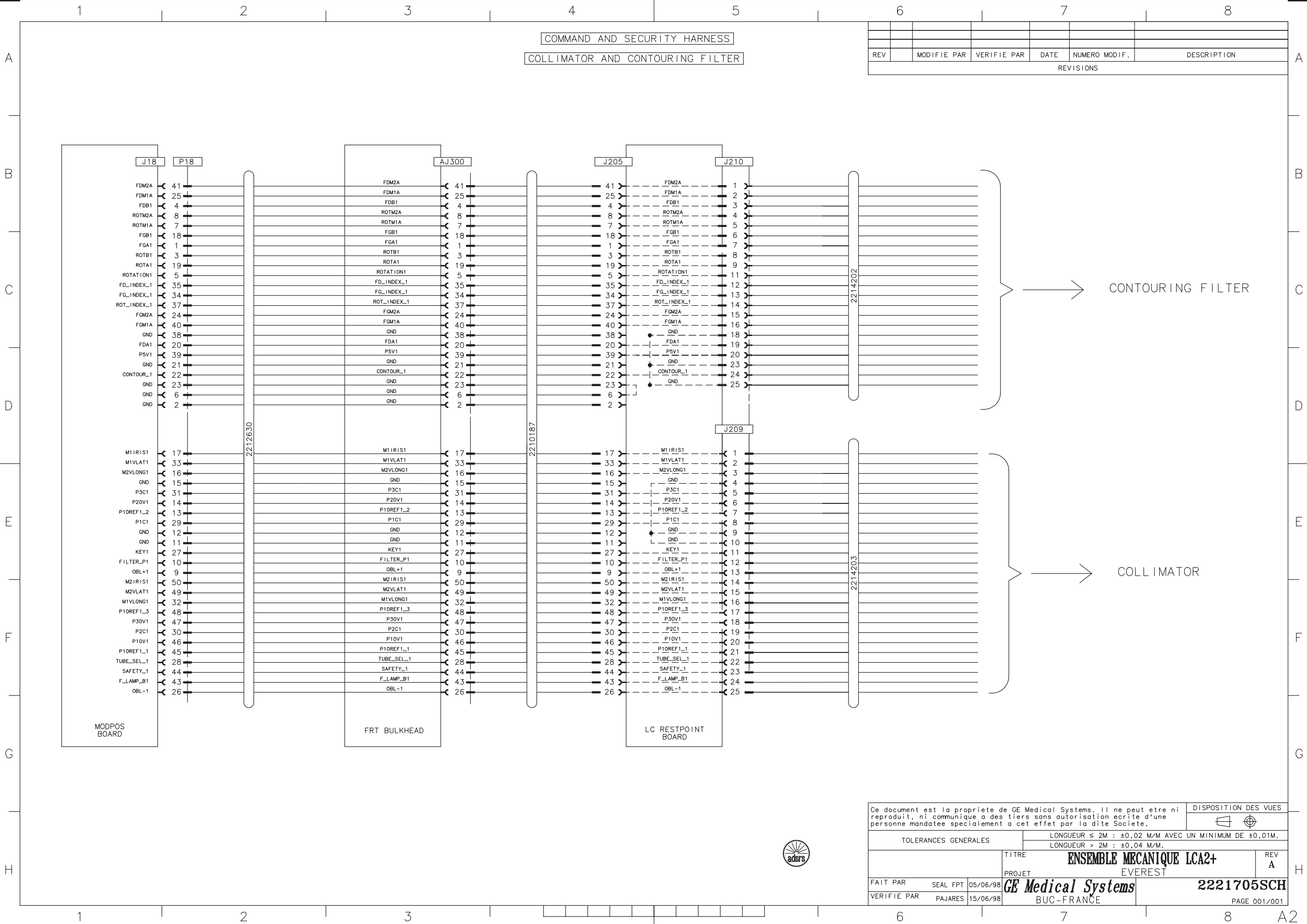






B	SEAL FPT	PAJARES	07/08/98	MAJ FORMAT
REV	MODIFIE PAR	VERIFIE PAR	DATE	NUMERO MODIF.
REVISIONS				
DESCRIPTION				

Ce document est la propriété de GE Medical Systems. Il ne peut être ni reproduit, ni communiqué à des tiers sans autorisation écrite d'une personne mandatée spécialement à cet effet par la dite Société.			DISPOSITION DES VUES	
TOLERANCES GENERALES			LONGUEUR ≤ 2M : ±0,02 M/M AVEC UN MINIMUM DE ±0,01M. LONGUEUR > 2M : ±0,04 M/M.	
FAIT PAR			TITRE	REV
VERIFIE PAR			PROJET	B
SEAL JPC 05/06/98			ENSEMBLE MECANIQUE LCA2+	
PAJARES 15/06/98			EVEREST	
BUC-FRANCE			2221705SCH	
			PAGE 006/007	



COMMAND AND SECURITY HARNESS
COLLIMATOR AND CONTOURING FILTER

REVISIONS					
REV	MODIFIE PAR	VERIFIE PAR	DATE	NUMERO MODIF.	DESCRIPTION

CONTOURING FILTER

COLLIMATOR

Ce document est la propriété de GE Medical Systems. Il ne peut être ni reproduit, ni communiqué à des tiers sans autorisation écrite d'une personne mandatée spécialement à cet effet par la dite Société.				DISPOSITION DES VUES	
				 	
TOLERANCES GENERALES			LONGUEUR ≤ 2M : ±0,02 M/M AVEC UN MINIMUM DE ±0,01M.		
			LONGUEUR > 2M : ±0,04 M/M.		
			TITRE		REV
			ENSEMBLE MECANIQUE LCA2+		A
			PROJET		EVEREST
FAIT PAR	SEAL FPT	05/06/98	GE Medical Systems		2221705SCH
VERIFIE PAR	PAJARES	15/06/98			
PAGE 001/001					

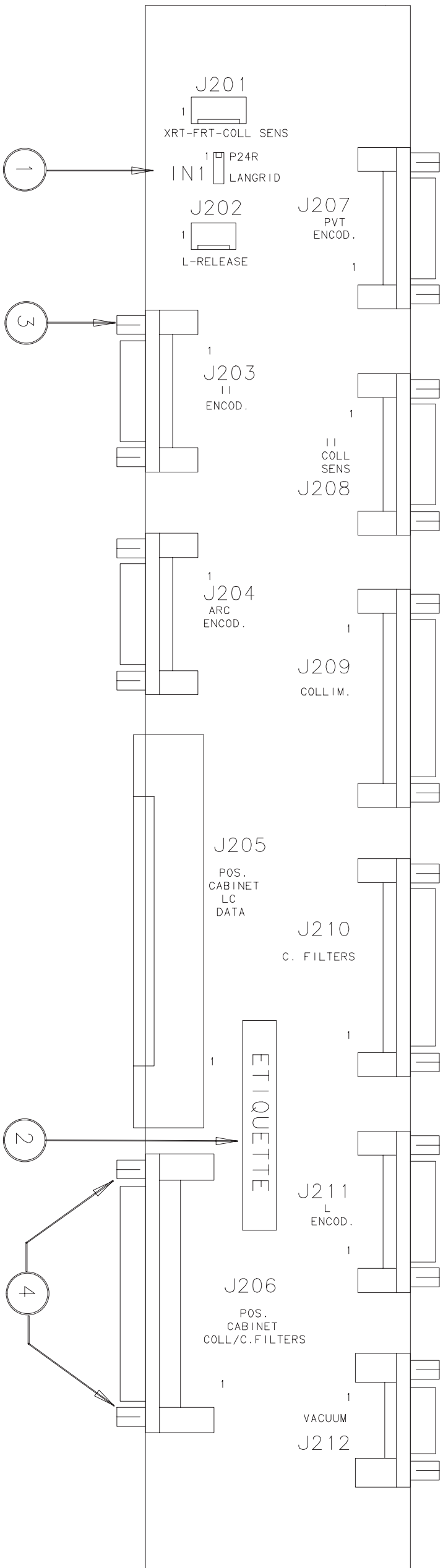
INTERCONNECTION

Blank page.

2. ELECTRONIC BOARDS

TITLE	DRAWING NUMBER	PAGE NUMBER
LC Rest Point Board Component Layout	2211392 ADW	2-2
LC Rest Point Board Circuit Diagram (1/3 to 3/3)	2211392 SCH	2-3 TO 2-5
Axis Interconnection Board Component Layout	2130920 ADW	2-6
Axis Interconnection Board Circuit Diagram	2130920 SCH	2-7 TO 2-9
Collision Sensor Block Diagram	-	2-10
Collision Sensor Board Component Layout	2102376 ADW	2-11
Collision Sensor Board Circuit Diagram	2102376 SCH	2-12 TO 2-14

Ce document est la propriété de la Société GE Medical Systems.
Il ne peut être ni reproduit, ni communiqué à des tiers sans
l'autorisation écrite d'une personne mandatée spécialement à
cet effet par la dite Société.



NOTE : PUT THE JUMPER BETWEEN 1 AND 2 OF IN1

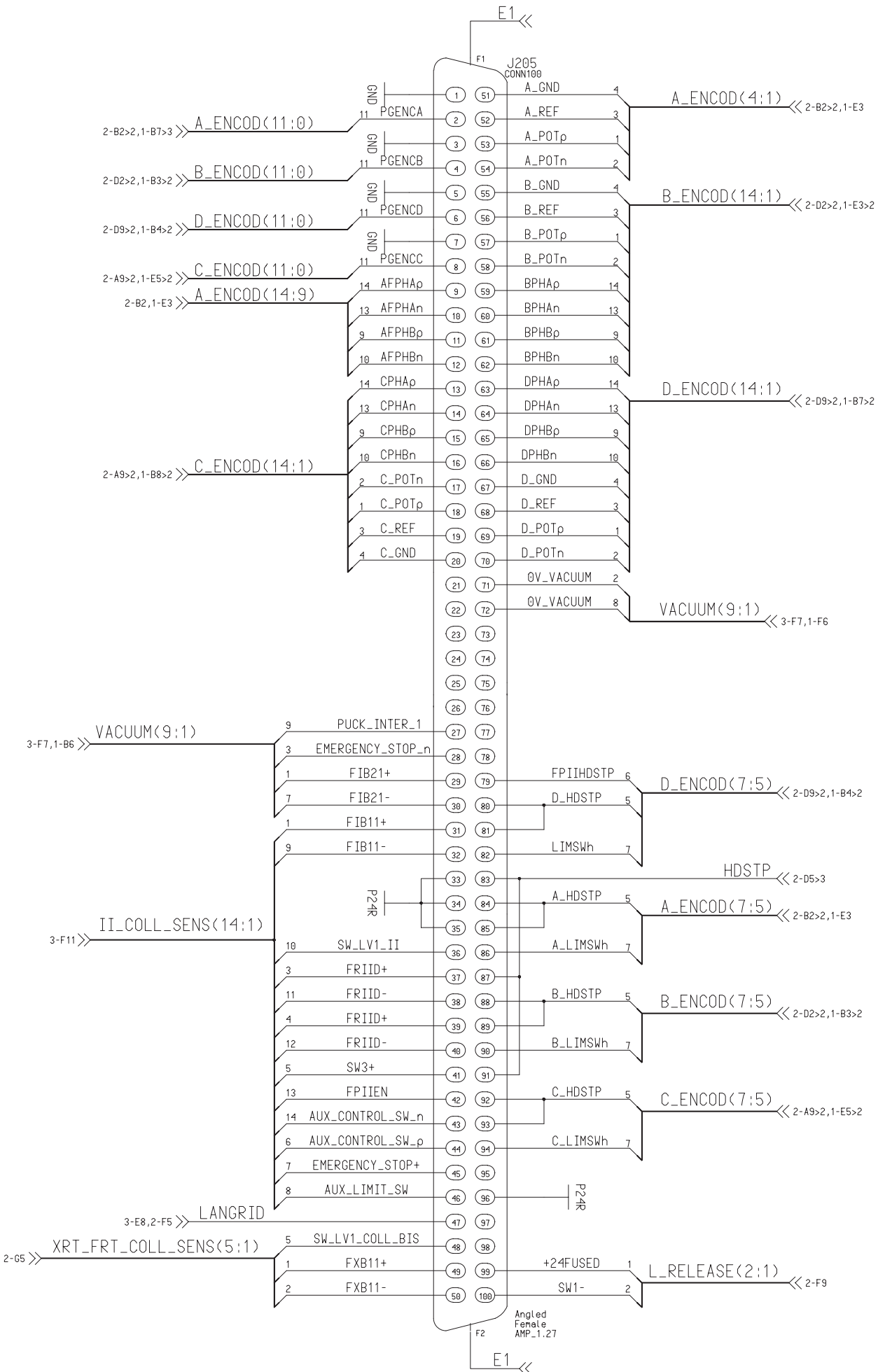
DEMANDE	REV	EVOLUTION	DESSINE	DATE	APPROUVE	DATE

DESSINE PAR	DATE	ECH.	TITRE
SEAL IND.	13-03-98	1	LC REST POINT BOARD
VERIFIE PAR	DATE		
BAYLE	13-03-98		
APPROUVE PAR	DATE		
ALBESA	13-03-98		

GE Medical Systems	NUMERO DE DOCUMENT	FORMAT	FEUILLE
BUO - FRANCE	2211392ADW	3	NO NBR
			01 / 01
			REV
			←



SHT. 01 CONT. 03
2211392SCH



BLOCK PATHNAME \$PROJECT\EVEREST\LC_Rest1v2.ASM\LC_Rest1v2

REV 001 PCN BUCge38193 DESCRIPTION RENAME NET ON J205-19 AND 20

MADE BY SEAL ALBESA DATE 15/01/99

REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXX DATE DD/MM/YY

MADE SEAL IND. CHECK BAYLE APPR ALBESA OTHER NAME

DATE 06/03/98 DATE 06/03/98 DATE 06/03/98 DATE DD/MM/YY

GE Medical Systems BUC - FRANCE

DESIGN TITLE LC REST POINT BOARD

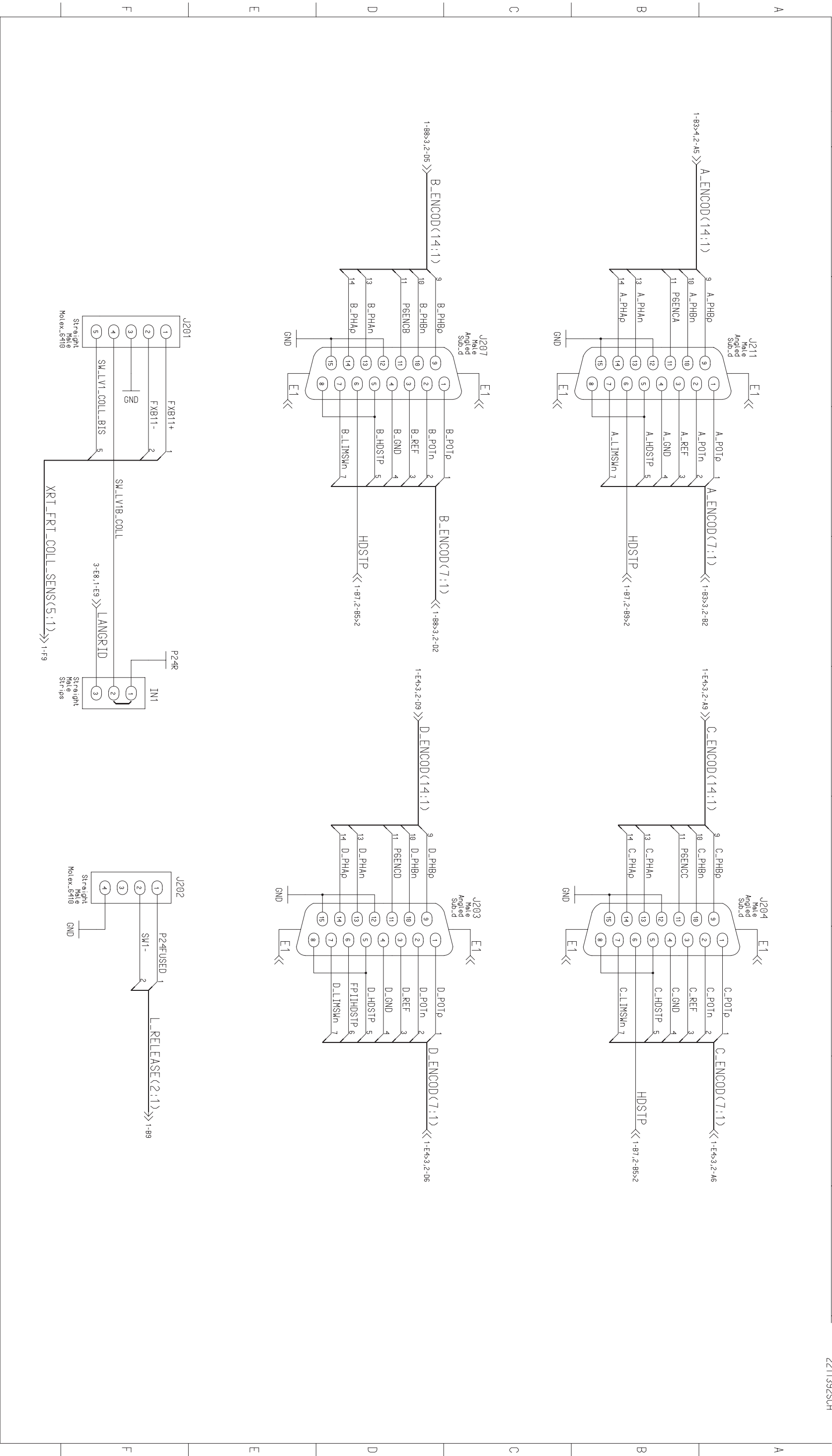
FIRST MADE FOR EVEREST

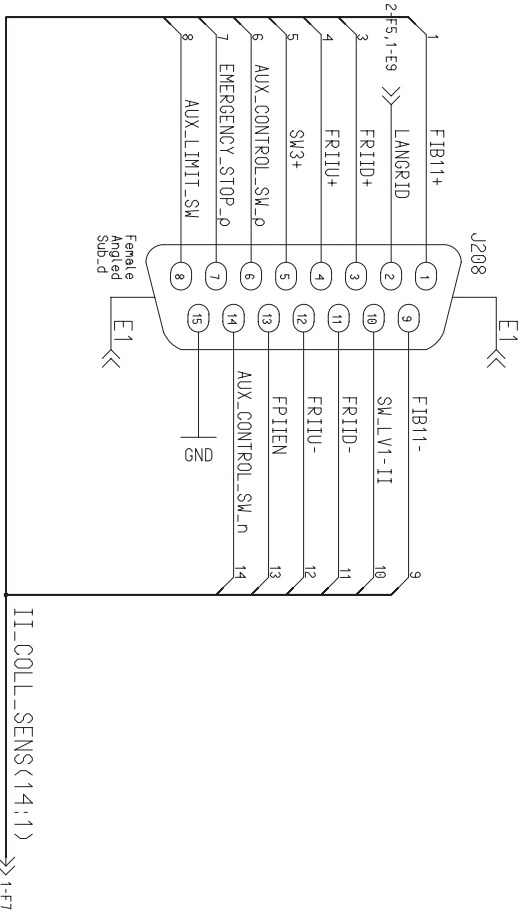
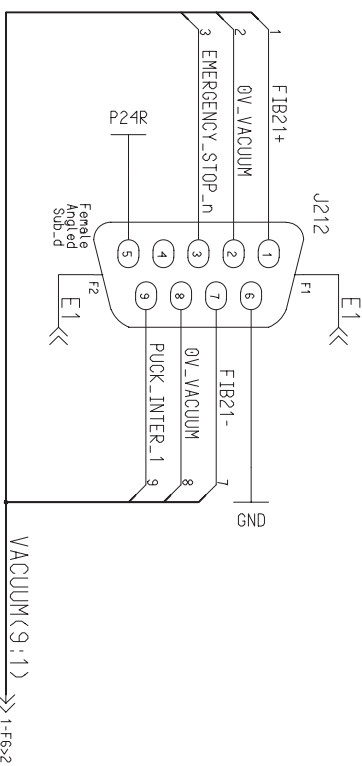
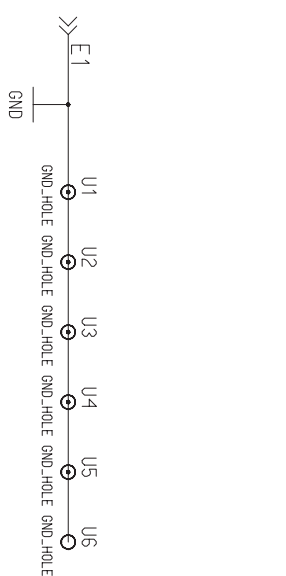
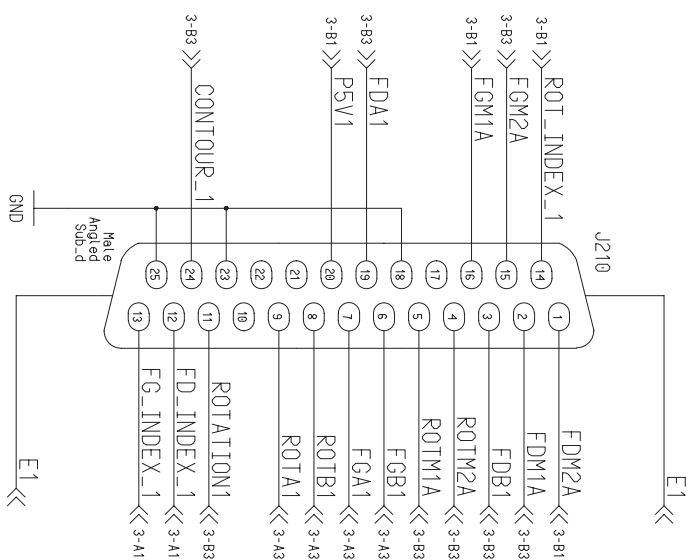
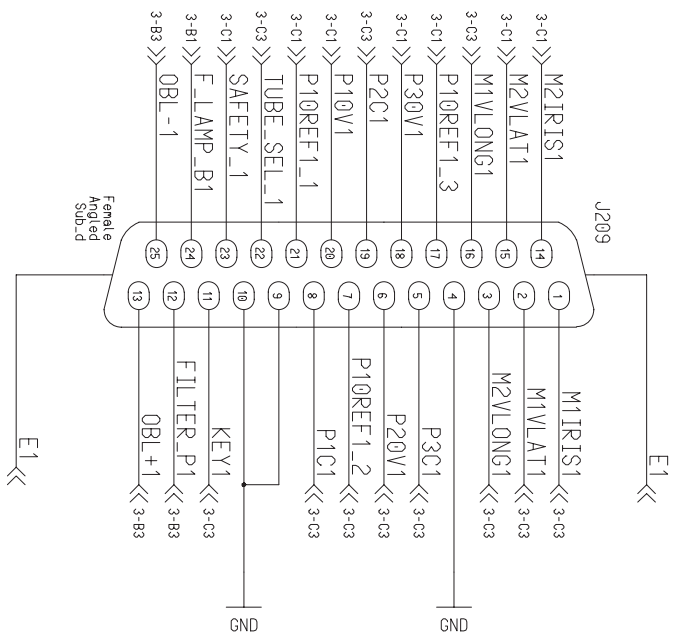
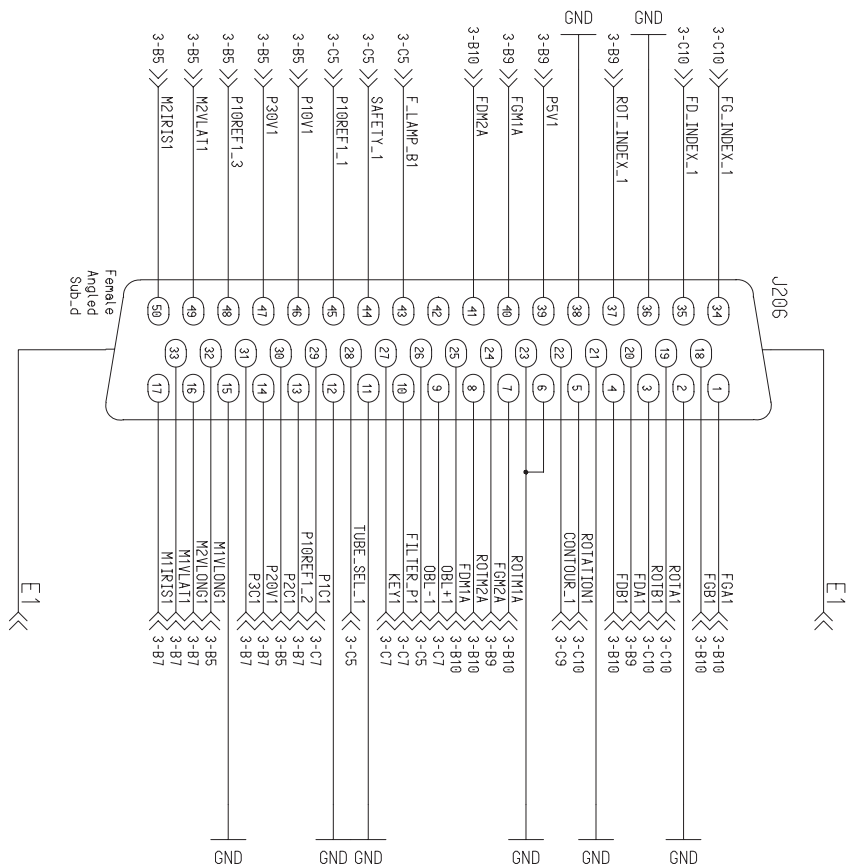
DRAWING NO. 2211392SCH

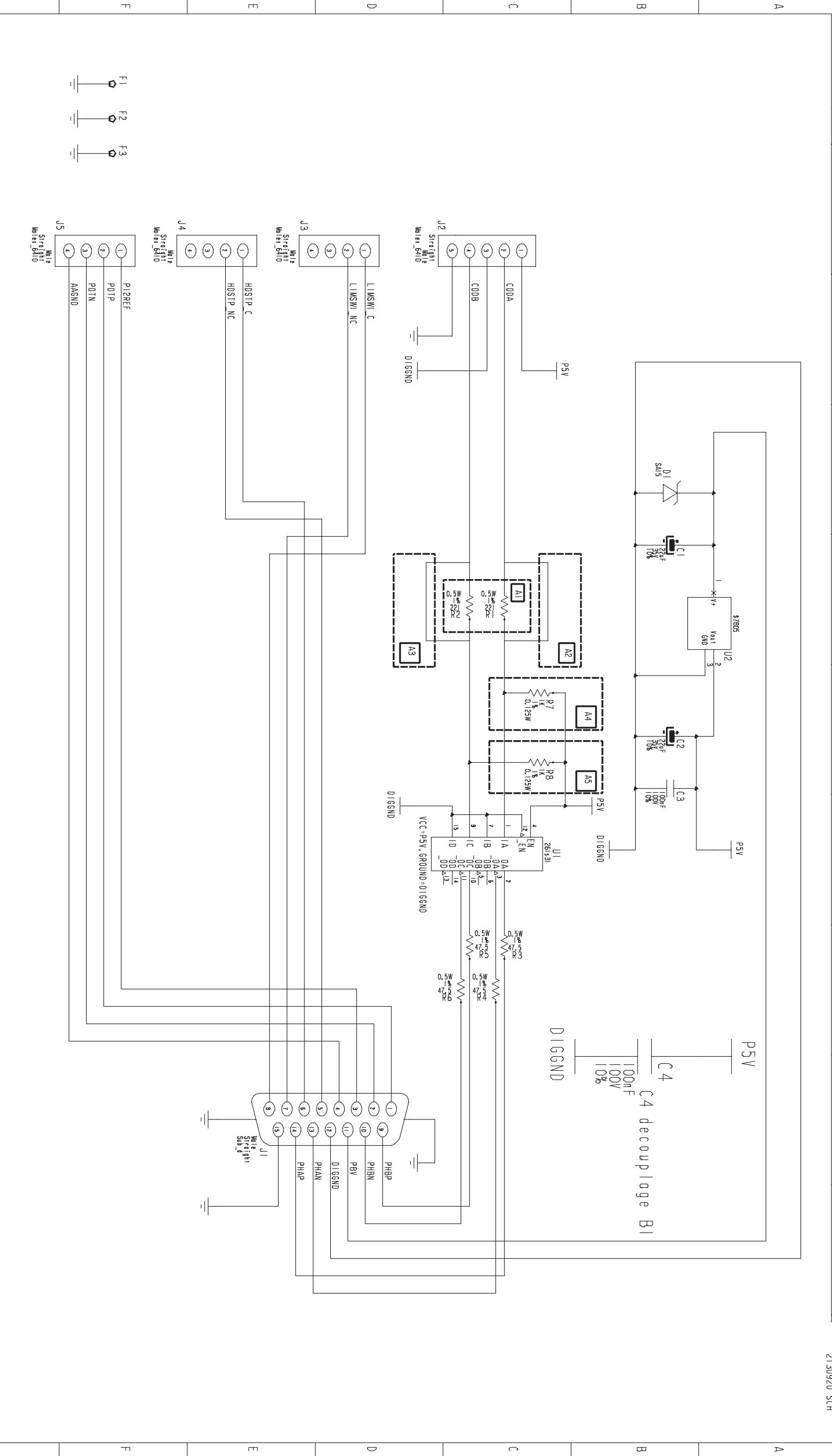
REV 001

SIZE 3

SHT/CONT. 01 / 03

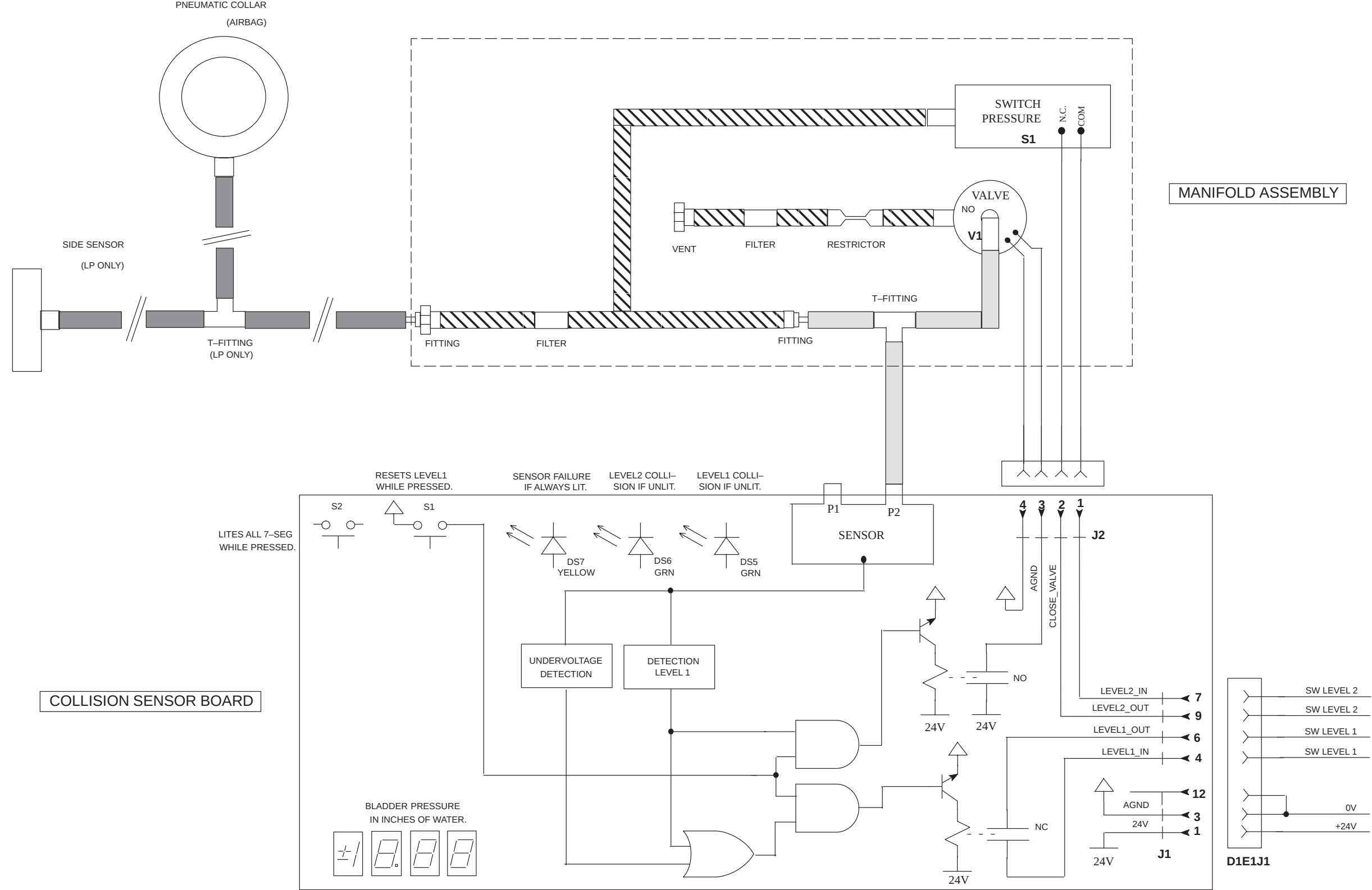
[illegible]

[illegible]



BLOCK PATHNAME				BLOCK SHIT				DESIGN TITLE			
\$PROJECT_LPLC/axisv2_ASM/axisv2				1 OF 2				AXIS INTERCONNECT BOARD WIRING CHANGES			
REV 1	PCN	XXXXXXXX	DESCRIPTION	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	DATE	DD/MM/YY	APPR BY	NAME	DATE	DD/MM/95	
MADE BY	NAME		DATE	DD/MM/YY	APPR BY	NAME		GE Medical Systems			
REV 2	PCN	XXXXXXXX	DESCRIPTION	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	DATE	DD/MM/YY	APPR BY	NAME	DATE	DD/MM/95	
MADE BY	NAME		DATE	DD/MM/YY	APPR BY	NAME		BUC – FRANCE			
								DRAWING NO. 2130920 SCH			
								REV A	SIZE 3	SHT/CONT 1 / 2	ON

COLLISION SENSOR BLOCK DIAGRAM



PNEUMATICS KEY:

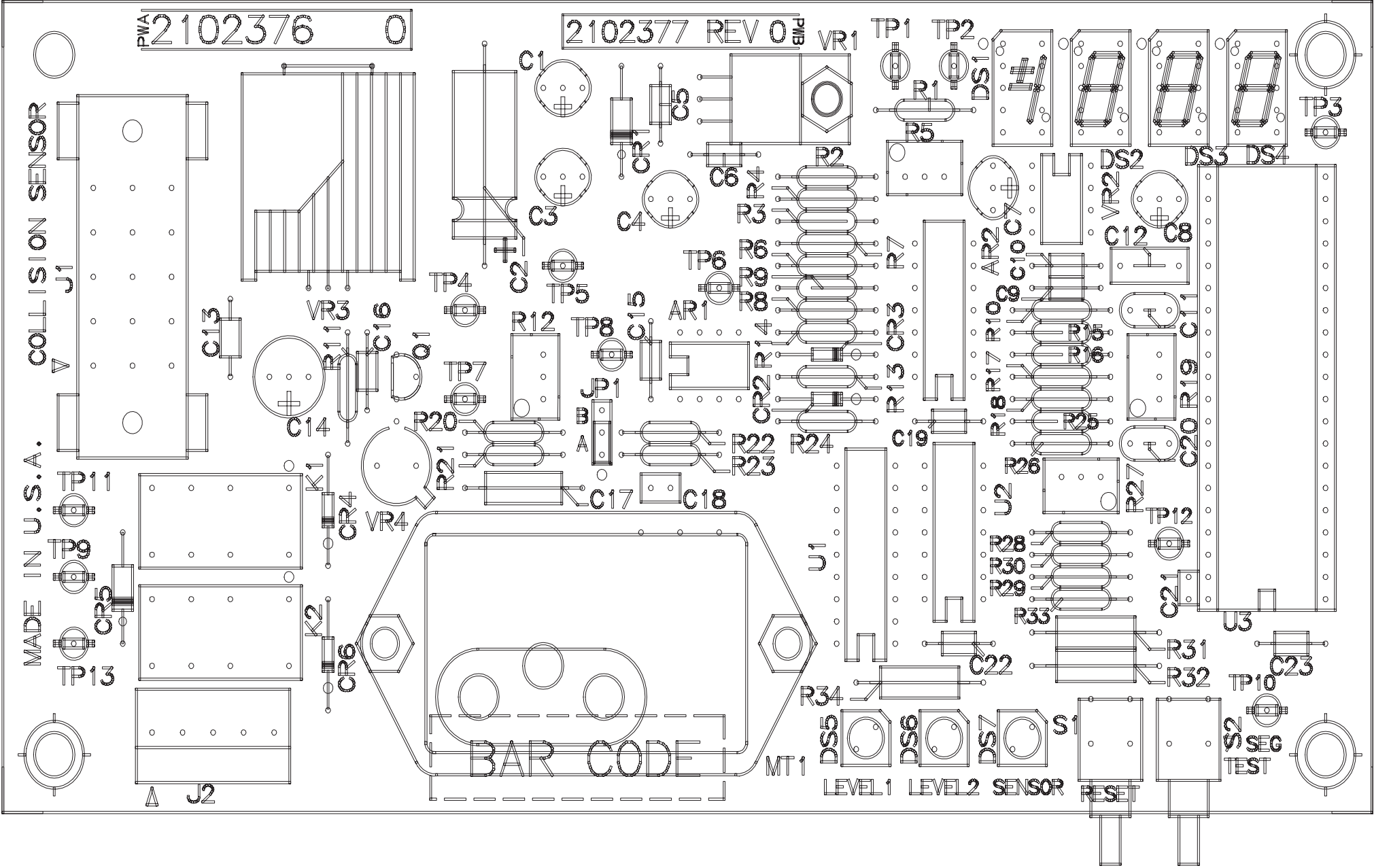
CONNECTIONS IN MANIFOLD BLOCK.

1/4 INCH DIA PVC TUBING (CLEAR).

1/4 INCH DIA POLYURETHANE TUBING (WHITE).

NOTES:

1. SWITCH S1 FACTORY ADJUSTED TO OPEN AT 5.0 +/- 0.2 INCHES OF WATER ABOVE ATMOSPHERIC PRESSURE. SWITCH CLOSSES AGAIN WHEN PRESSURE DROPS TO 2.5 +/- 0.5 INCHES WATER.
2. VALVE V1 DRIVEN CLOSED BY SENSOR BOARD ELECTRONICS. SWITCH POINT IS FACTORY ADJUSTED TO BE 0.30 +/- 0.02 INCHES WATER ABOVE ATMOSPHERIC PRESSURE. VALVE DRIVEN OPEN AGAIN WHEN PRESSURE DROPS TO 0.12 +/- 0.02 INCHES WATER.



1	2	3	4	5	6	7	8	9		10	SHT. 1 CONT. 2 2102376SCH	
A											A	
B											B	
C											C	
D											D	
E											E	
F											F	
H	BLOCK PATHNAME /user/collision_sensor/sensor_board										H	
REV 1 PCN 180247				DESCRIPTION ADD FACTORY ADJUSTMENT PROCEDURE				MADE D. BOTTOM		DATE 21MAR94	DESIGN TITLE SENSOR_BOARD	
MADE BY D. BOTTOM				DATE 27MAY94 APPR BY				CHECK D. BOTTOM		DATE 21MAR94	FIRST MADE FOR LC/LP	
REV 2 PCN				DESCRIPTION				APPR J. WOODS		DATE 21MAR94	DRAWING NO.	
MADE BY				DATE APPR BY				OTHER T. HELMINIAK		DATE 21MAR94	2102376SCH	
											REV 1	SIZE B
											SHT./CONT. ON	
											1/2	
1	2	3	4	5	6	7	8	9	10	11		

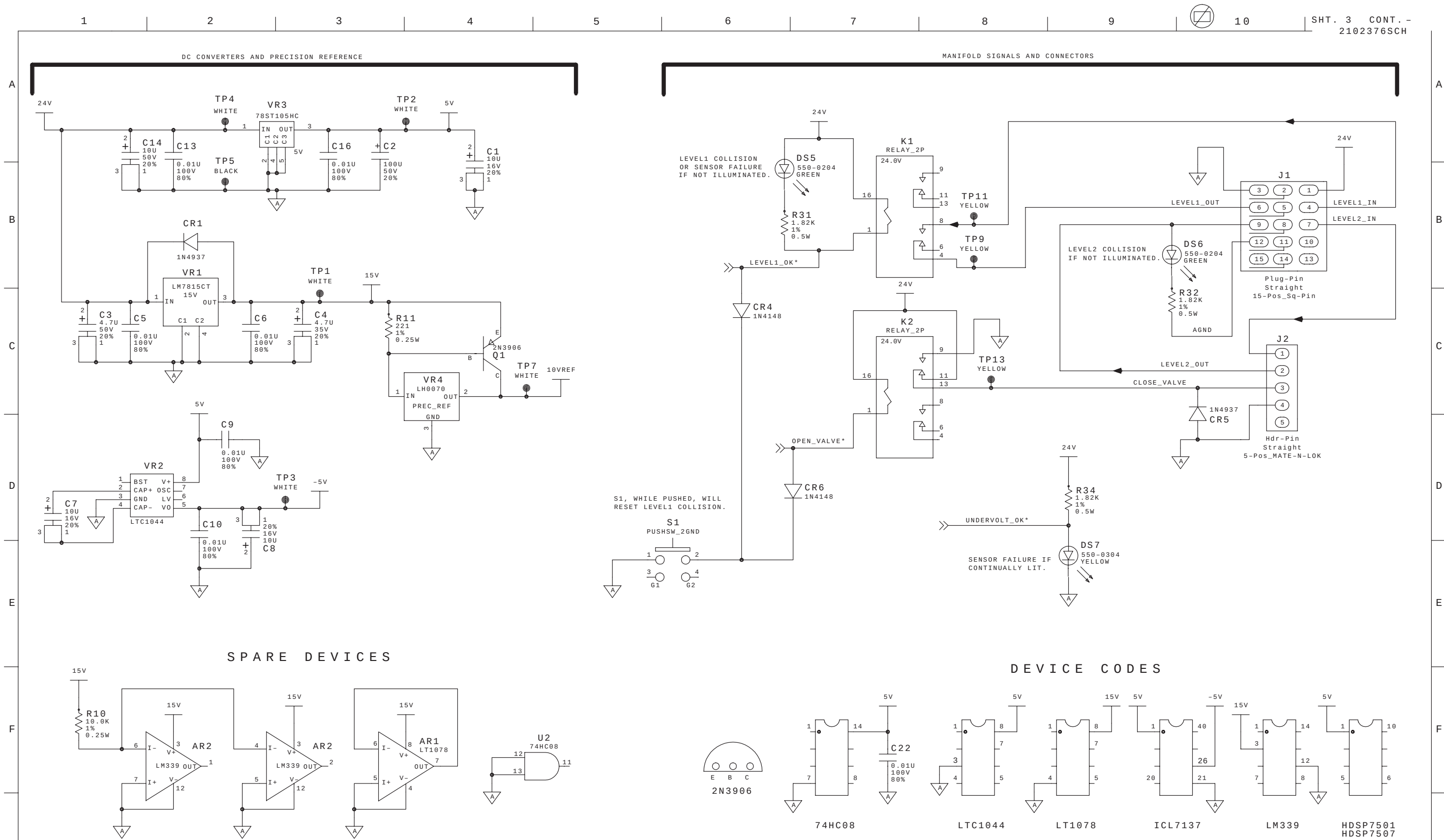
REVISION	PCN NUMBER	DATE	SIGN OFF
0	-----	21-MAR-94	
1	180247	24-MAY-94	

SHEET_NAME	SHT NUM	REV
SENSOR_BOARD	1	1
SENSOR_BOARD	2	1
SENSOR_BOARD	3	1

NOTE :
VERIFY THIS PRINT IS THE LATEST REVISION
USING GE PRODUCT STRUCTURE SYSTEM (PSS).

- NOTES :
- 1.THE GROUP NUMBER AND GROUP REVISION FOR THIS PWA IS 2102376 0
 - 2.THIS SCHEMATIC MEETS THE SPECIFICATIONS OF GE SCHEMATIC STANDARDS 46-017486.
 - 3.UNLESS OTHERWISE SPECIFIED:
RESISTORS ARE IN OHMS, 0.25W, 1%.
CAPACITORS ARE IN FARADS.
INDUCTORS ARE IN HENRIES.
 - 4.ACTIVE LOW SIGNALS ARE INDICATED WITH "*" AFTER THE SIGNAL NAME

2-13



BLOCK PATHNAME /user/collision_sensor/sensor_board				BLOCK SHT 3 OF 3						
REV 1 PCN 180247	DESCRIPTION ADD	FACTORY	ADJUSTMENT	PROCEDURE	MADE D. BOTTOM	DATE 21MAR94	GE MEDICAL SYSTEMS Milwaukee, WI USA		DESIGN TITLE SENSOR_BOARD	
MADE BY D. BOTTOM	DATE 27MAY94	APPR BY	DATE		CHECK D. BOTTOM	DATE 21MAR94			FIRST MADE FOR LC/LP	
REV 2 PCN	DESCRIPTION				APPR J. WOODS	DATE 21MAR94			DRAWING NO.	REV 1
MADE BY	DATE	APPR BY	DATE		OTHER T. HELMINIAK	DATE 21MAR94			2102376SCH	SIZE B
1	2	3	4	5	6	7	8	9	10	11