

General Timing Chart / General Circuit Diagram

iR C6800 Series

iR C6800C

Canon

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1 General Timing Chart

Full color

<Conditions>

reading: book, 1 A4 original

printing: A4, plain paper, single-sided, full color, 2 prints



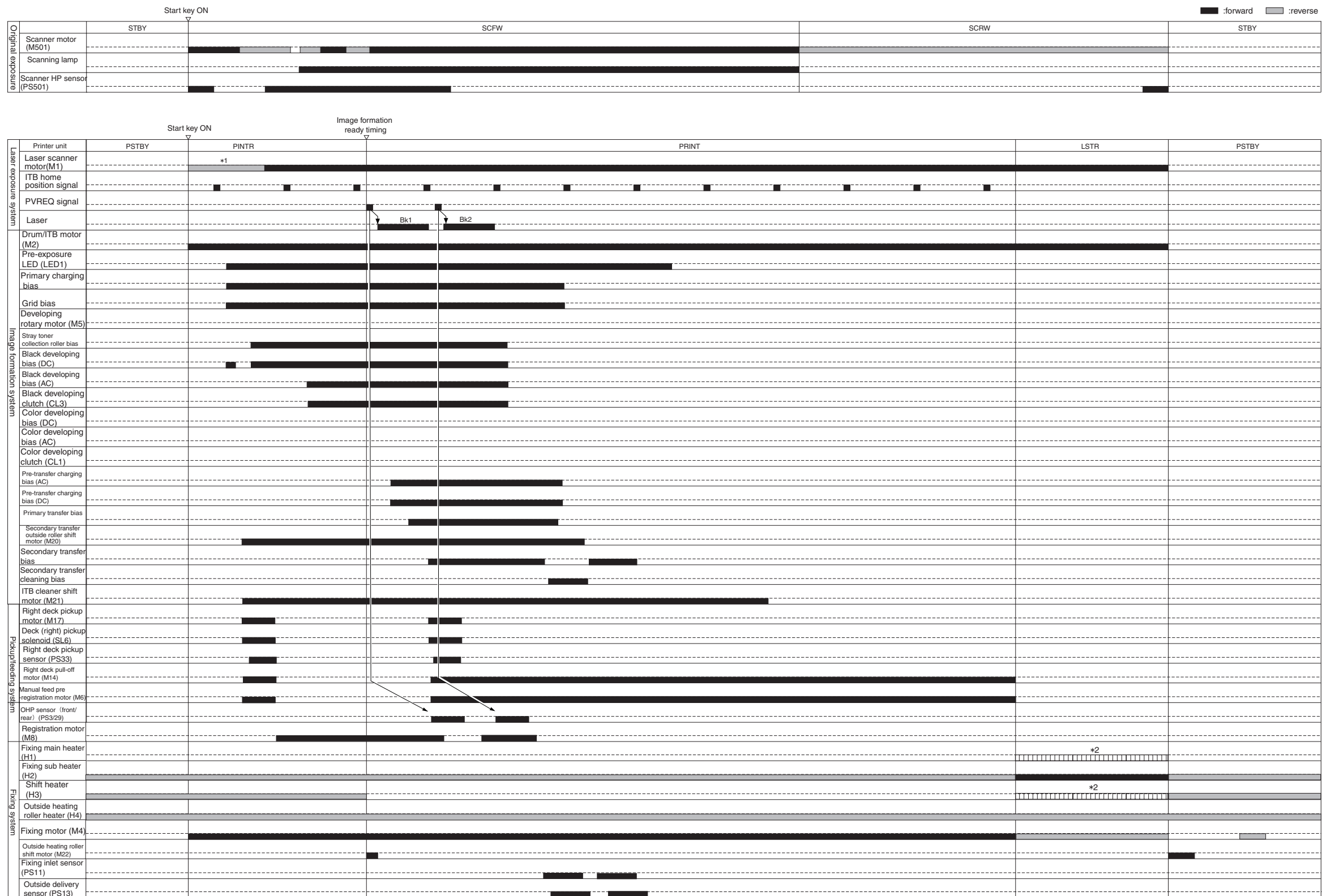
*1: interval used to stabilize the rotation.
 *2: interval during which the main heater and the sub heater are tuned on alternately.

Mono color

<Conditions>

reading: book mode, 1 A4 original

printing: A4, plain paper, single-sided, mono color, 2 prints



*1: interval used to stabilize the rotation.

*2: interval during which the main heater and the sub heater are tuned on alternately.

2 General Circuit Diagram

Signal Names

List Of Signals

T-2-1

Abbreviation	Signal name
AFTER_TRNS_HP_S NS	post-transfer paper detection signal
ATR_REF	ATR sensor reference signal
ATR_SIG	ATR sensor signal
ATR_VCC	ATR power supply signal
ATR_VSS	ATR sensor light detection signal
ATRLED_ON	ATR sensor light emission signal
ATRSL_ON	ATR shutter solenoid drive signal
BK_CRG_DOOR_OP N	hopper cover open/closed detection signal
BK_DC_CONT	black development DC bias control signal
BK_DEV	black developing bias drive signal
BK_DEV_CL	black development clutch drive signal
BK_TNR_REMAIN	black toner level detection signal
CHD_CLK	side deck clock signal
CHO_RXD	side deck communication signal 0
CHO_RXLOAD*	side deck data request signal
CHO_TXD	side deck communication signal 1
CHO_TXEND*	side deck communication final signal
CHO_TXOUTEN*	side deck data enable signal
CL_CRG_DTC	color toner cartridge present/absent signal
CL_DEV	color developing bias drive signal
CL_TNR_REMAIN	color toner level detection signal (light-receiving segment)
CL_TNR_SNS_ON	color toner level detection signal (light-emitting segment)
CLR_DC_CONT	color developing DC bias control signal
CLR_DEV_CL	color developing clutch drive signal
CLR_TNR_SPLY_C L	color toner supply clutch drive signal

Abbreviation	Signal name
CMNCLK_A1	HVT1 high-voltage bias reference signal
CMNCLK_A1	HVT2 high-voltage bias reference signal
CNT0	laser control signal 0
CNT1	laser control signal 1
CRG_MTR_ON	black toner supply motor drive signal
CST_FEED_M_CLK A	cassette pickup motor drive signal A
CST_FEED_M_CLK AB	cassette pickup motor drive signal AB
CST_FEED_M_CLK B	cassette pickup motor drive signal B
CST_FEED_M_CLK BB	cassette pickup motor drive signal BB
CST_HEAT_ON	cassette heater drive signal
CUAL_FAN	delivery cooling fan 1 drive signal
CUAL_FAN_ERR	delivery cooling fan 1 error detection signal
D_LOAD	finisher start-up signal
DCP_FAN_LOK*	power supply fan lock detection signal
DCP_REM0	power supply remote signal 0
DCP_REM1	power supply remote signal 1
DCP_REM2	power supply remote signal 2
DCP_REM3	power supply remote signal 3
DEIL_FLAP_SL	delivery reversing solenoid drive signal
DEV_BK_AC_ON	black developing AC bias drive signal
DEV_BK_DC_ON	black developing DC bias drive signal
DEV_CL_AC_ON	color developing AC bias drive signal
DEV_CL_DC_ON	color developing DC bias drive signal
DEV_MTR_CLK	developing motor reference signal
DEV_MTR_CW/ CCW	developing motor drive detection switchover signal
DEV_MTR_ID	development motor identification signal
DEV_MTR_LOK*	development motor lock detention signal
DEV_MTR_ON	development motor drive signal
DEV_MTR_SEL	development motor speed switchover signal
DEVBKCLK1	black developing bias reference signal A

Abbreviation	Signal name
DEVCLCLK_A1	color developing bias reference signal A
DEVCLCLK_B1	color developing bias reference signal B
DRAM_HP_SNS	drum HP detection signal
DRUM_HEAT_ON	drum heater drive signal
DRUM_MTR_BRAKE	drum/ITB motor drive direction switchover signal
DRUM_MTR_CLK	drum/ITB motor reference signal
DRUM_MTR_ID	drum/ITB motor identified signal
DRUM_MTR_LOK*	drum/ITB motor lock detection signal
DRUM_MTR_ON	drum/ITB motor drive signal
DRUM_MTR_SEL	drum/ITB motor speed switchover signal
DUP_FEED_SNS	duplexing left detection signal
DUPLEX_CENTER_M_CLK_A	depleting middle motor drive signal A
DUPLEX_CENTER_M_CLK_AB	duplexing middle motor drive signal AB
DUPLEX_CENTER_M_CLK_B	duplexing middle motor drive signal B
DUPLEX_CENTER_M_CLK_BB	duplexing middle motor drive signal BB
DUPLEX_LEFT_M_CLK_A	duplexing left motor drive signal A
DUPLEX_LEFT_M_CLK_AB	duplexing left motor drive signal AB
DUPLEX_LEFT_M_CLK_B	duplexing left motor drive signal B
DUPLEX_LEFT_M_CLK_BB	duplexing left motor drive signal BB
DUPLEX_REV_M_CLK_A	duplexing reversal motor drive signal A
DUPLEX_REV_M_CLK_AB	duplexing reversal motor drive signal AB
DUPLEX_REV_M_CLK_B	duplexing reversal motor drive signal B
DUPLEX_REV_M_CLK_BB	duplexing reversal motor drive signal BB
DUPLEX_RIGHT_M_CLK_A	duplexing right motor drive signal A

Abbreviation	Signal name
DUPLEX_RIGHT_M_CLK_AB	duplexing right motor drive signal AB
DUPLEX_RIGHT_M_CLK_B	duplexing right motor drive signal B
DUPLEX_RIGHT_M_CLK_BB	duplexing right motor drive signal BB
ELIMINATE	static eliminator bias drive signal
ENV_HUM_CLK	environment sensor reference signal
ENV_TEMP	environment sensor detection signal
EPC_SIG	potential sensor reference signal
EPC_SNS_ON	potential sensor detection signal
EX_FIX_HP_SNS	outside heating roller HP detection signal
EX_FIX_P_MTR_A	outside heating roller shift motor drive signal A
EX_FIX_P_MTR_A*	outside heating roller shift motor drive signal A*
EX_FIX_P_MTR_B	outside heating roller shift motor drive signal B
EX_FIX_P_MTR_B*	outside heating roller shift motor drive signal B*
EX_FIX_THM_EDG E_IN	outside heating sub thermistor detection signal
EX_FIX_THM_IN	outside heating main thermistor detection signal
EX-HEAT-ON	outside heating roller heater drive signal
EXP_LED	pre-exposure LED drive signal
EX-TR-ERR	outside heating roller heater error signal
FEED_FAN_4	feed fan 4 drive signal
FEED_FAN1	feed fan 1 drive signal
FEED_FAN1_ERR	feed fan 1 error detection signal
FEED_FAN2	feed fan 2 drive signal
FEED_FAN2_ERR	feed fan 2 error detection signal
FEED_FAN3	feed fan 3 drive signal
FEED_FAN3_ERR	feed fan 3 error detection signal
FEED_FAN4_ERR	feed fan 4 error detection signal
FIN_FAN	exhaust heat cooling fan 2 drive signal
FIN_FAN_LOK*	exhaust heat cooling fan 2 lock detection signal
FIRST_TRN	primary transfer bias drive signal
FIX_ENT_SNS	fixing inlet detention signal
FIX_FAN	fixing exhaust fan drive signal

Abbreviation	Signal name
FIX_FAN_LOK*	fixing exhaust fan lock detection signal
FIX_MTR_BRAKE	fixing motor stop signal
FIX_MTR_CLK	fixing motor reference signal
FIX_MTR_ID	fixing motor identification signal
FIX_MTR_LOK*	fixing motor lock detection signal
FIX_MTR_ON	fixing motor drive signal
FIX_MTR_SEL	fixing motor selection signal
FIX_WEB_REMAIN	fixing web length detection signal
FIX_WEB_SL	web solenoid drive signal
FRONT_DOOR_OPN	front cover detection signal
FSR_UNIT_CNCT*	fixing assembly present/absent detection signal
GRID_CONT	grid bias control signal
HOP_MTR_0	hopper stirring motor drive signal 1
HOP_MTR_1	hopper stirring motor drive signal 0
HV_RMT	high-voltage bias remote signal
HV_RMT	HVT 3 enable signal
IN_DELI_SNS	inside delivery detection signal
ITB_CLN_HP_SNS	ITB cleaner HP detection signal
ITB_CLN_P_MTR_A	ITB cleaner shift motor drive signal A
ITB_CLN_P_MTR_A *	ITB cleaner shift motor drive signal/A
ITB_CLN_P_MTR_B	ITB cleaner shift motor drive signal B
ITB_CLN_P_MTR_B *	ITB cleaner shift motor drive signal/B
ITOP_SNS_A	ITB HP sensor detection signal A
ITOP_SNS_B	ITB HP sensor detection signal B
JOIN_SNS	vertical path confluence detection signal
L_DECK_DTC	left deck paper detection signal
L_DECK_EXIT_SL	left deck confluence solenoid drive signal
L_DECK_FEED_SNS	left deck pickup detection signal
L_DECK_LIFT	left deck lifter motor drive signal
L_DECK_LIMIT_SNS	left deck limit detection signal
L_DECK_M_CLKA	left deck pickup motor drive signal A

Abbreviation	Signal name
L_DECK_M_CLKAB	left deck pickup motor drive signal AB
L_DECK_M_CLKB	left deck pickup motor drive signal B
L_DECK_M_CLKBB	left deck pickup motor drive signal BB
L_DECK_PAP_HIG HT_SNS	left deck lifter detection signal
L_DECK_PAP_SNS	left deck paper detection signal
L_DECK_REMAIN_ SNS0	left deck paper level detection signal A
L_DECK_REMAIN_ SNS1	left deck paper level detection signal B
L_DECK_SL	left deck pickup solenoid drive signal
LDPSEL	laser power selection signal
LO_CST_FEED_SNS	cassette 4 pickup detection signal
LO_CST_LIMIT_S S	cassette 4 limit detection signal
LO_CST_PAP_HIG T_SNS	cassette 4 lifter detection signal
LO_CST_PAP_SNS	cassette 4 paper detection signal
LO_CST_REMAIN_ SNS0	cassette 4 paper level detection signal A
LO_CST_REMAIN_ SNS1	cassette 4 paper level detection signal B
LO_CST_SIZE0	cassette 4 paper size detection signal 0
LO_CST_SIZE1	cassette 4 paper size detection signal 1
LO_CST_SIZE2	cassette 4 paper size detection signal 2
LO_CST_SIZE3	cassette 4 paper size detection signal 3
LO_CST_SIZE4	cassette 4 paper size detection signal 4
LO_CST_SL	cassette 4 pickup solenoid drive signal
LOW_CST_LIFT	cassette 4 lifter motor drive signal
MAIN_THM_EDGE_ IN	fixing sub thermistor detection signal
MAIN_THM_IN	fixing main thermistor detection signal
MAIN-HEAT-ON	fixing main heater drive signal
MAIN-TR-ERR	fixing main heater error signal
MLT_LAST_PAP_ S NS	last sheet detection signal

Abbreviation	Signal name
MLT_PAP_SNS	manual feed paper detection signal
MLT_PAP_WIDTH	manual feed paper width detection signal
MLT_SL	manual feed pickup solenoid drive signal
MLT_TRAY_OPN	manual feed unit open/closed detection signal
MODE	finisher mode switchover signal
OHP_LED0	transparency sensor (front) light emission signal
OHP_LED1	transparency sensor (rear) light emission signal
OHP_SNS0	transparency sensor (rear) light reception signal
OHP_SNS1	transparency sensor (front) light reception signal
OUT_DELI_MTR_A	outside delivery motor drive signal A
OUT_DELI_MTR_A*	outside delivery motor drive signal A*
OUT_DELI_MTR_B	outside delivery motor drive signal B
OUT_DELI_MTR_B*	outside delivery motor drive signal B*
OUT_DELI_SNS	outside delivery paper detection signal
PAP_STAGNATE_SNS	left deck stationary paper detection signal
PATCH_LED_ON	patch image read sensor light emission signal
PATCH_LED_ON	patch image read sensor reference signal
PATCH_LED_REF	patch sensor shutter solenoid drive signal
PATCH_SHUT_SL	patch sensor shutter solenoid drive signal
PATCH_VOP	patch image read sensor detention signal P
PATCH_VOS	patch image read sensor detention signal S
PD_MTR_CLK	side deck clock signal 1
PKIT_FAN	controller cooling fan dire signal
PKIT_FAN_LOK*	controller cooling fan lock detection signal
POST	pre-transfer bias drive signal
POST_AC_ON	pre-transfer bias AC drive signal
POST_CLN_MTR0	pre-transfer charging wire cleaning motor drive signal 0
POST_CLN_MTR1	pre-transfer charging wire cleaning motor drive signal 1
POST_DC_ON	pre-transfer bias DC drive signal
POSTCLK_A1	pre-transfer bias reference signal A

Abbreviation	Signal name
POSTCLK_B1	pre-transfer bias reference signal B
POSTCONT	pre-transfer bias control signal
PRE_REGI_MTR_A	manual feed pre-registration motor drive signal A
PRE_REGI_MTR_A*	manual feed pre-registration motor drive signal A*
PRE_REGI_MTR_B	manual feed pre-registration motor drive signal B
PRE_REGI_MTR_B*	manual feed pre-registration motor drive signal B*
PRE_REGI_SNS	pre-registration paper detection signal
PRESS-HEAT-ON	pressure heater drive signal
PRESS-TR-ERR	pressure heater error signal
PRIM_CLN_MTR0	primary charging wire cleaning motor drive signal 0
PRIM_CLN_MTR1	primary charging wire cleaning motor drive signal 1
PRIM_CONT	primary charging bias control signal
PRIM_EX_FAN	primary charging exhaust fan drive signal
PRIM_EX_FAN_LO K*	primary charging exhaust fan lock signal
PRIM_IN_FAN	primary charging suction fan drive signal
PRIM_IN_FAN_LOK *	primary charging suction fan lock detection
PRIM_ON	primary charging bias drive signal
PRIMARY	primary charging bias drive signal
PRS_THM_EDGE_I N	pressure sub thermistor detection signal
PRS_THM_IN	pressure main thermistor detection signal
R_DECK_DTC	right deck paper detection signal
R_DECK_FEED_S S	right deck pickup detection signal
R_DECK_LIFT	right deck lifter motor drive signal
R_DECK_LIMIT_S S	right deck limit detection signal
R_DECK_M_CLKA	right deck pickup motor drive signal A
R_DECK_M_CLKA B	right deck pickup motor drive signal AB
R_DECK_M_CLKB	right deck pickup motor drive signal B
R_DECK_M_CLKBB	right deck pickup motor drive signal BB
R_DECK_PAP_HIG HT_SNS	right deck lifter detection signal

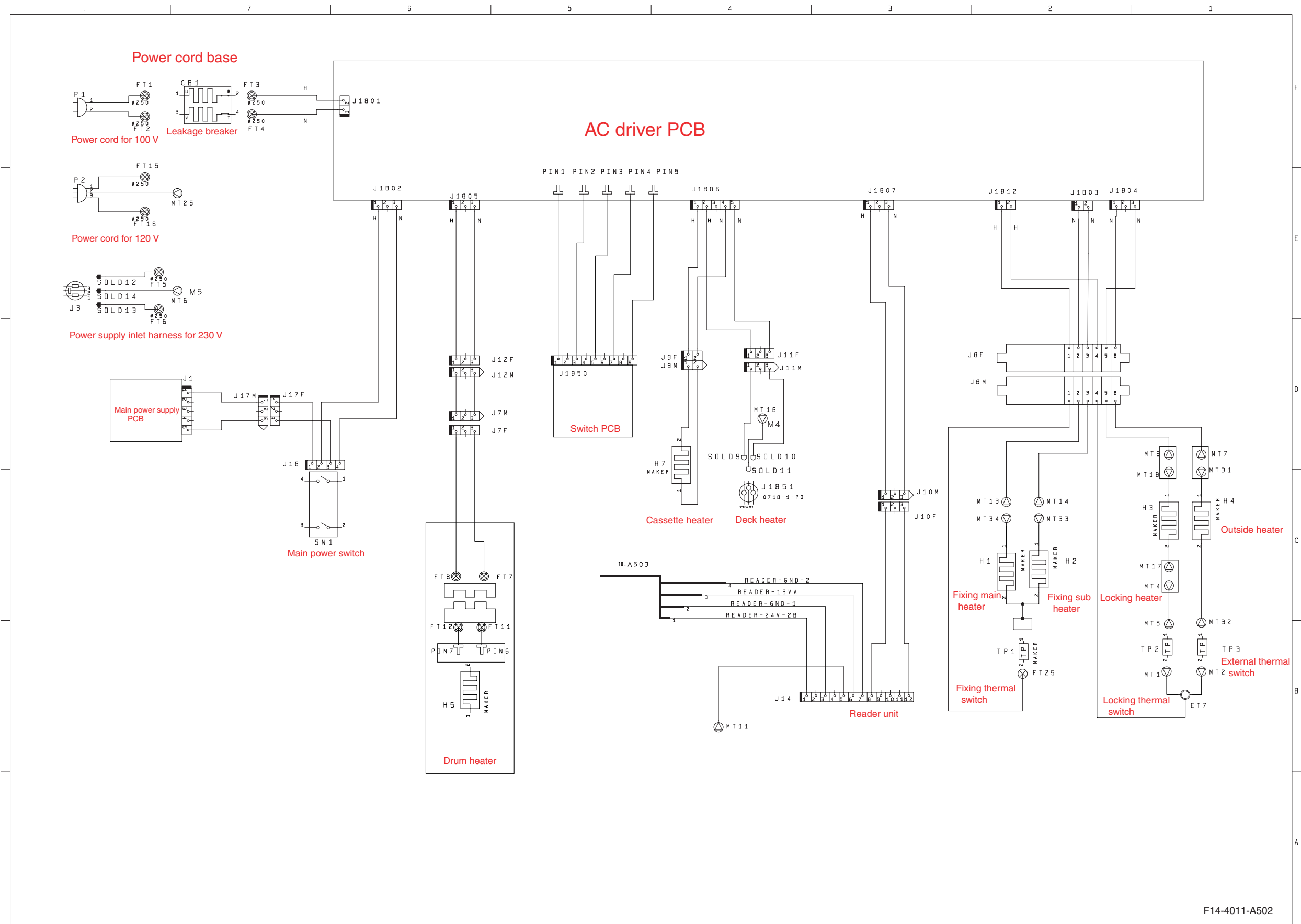
Abbreviation	Signal name
R_DECK_PAP_SNS	right deck paper detection signal
R_DECK_PULL_M_CLKA	right deck pull-off motor drive signal A
R_DECK_PULL_M_CLKAB	right deck pull-off motor drive signal AB
R_DECK_PULL_M_CLKB	right deck pull-off motor drive signal B
R_DECK_PULL_M_CLKBB	right deck pull-off motor drive signal BB
R_DECK_REMAIN_SNS0	right deck paper level detection signal B
R_DECK_REMAIN_SNS1	right deck paper level detection signal A
R_DECK_SL	right deck pickup solenoid drive signal
R_LOW_DOOR_OPEN	lower right cover open/closed detection signal
RE_FEED_SNS	duplexing confluence detection signal
REAL_BD*	BD detection signal
REGI_DRIVE_M_CLOCK_A	registration motor drive signal A
REGI_DRIVE_M_CLOCK_AB	registration motor drive signal AB
REGI_DRIVE_M_CLOCK_B	registration motor drive signal B
REGI_DRIVE_M_CLOCK_BB	registration motor drive signal BB
RELAY_ON	relay drive signal
REV_ALIENATE_SL	reversal interval solenoid drive signal
REV_SNS	reversal detection signal
REV_TATE_PASSENS	reversal vertical path detention signal
ROT_MTR_A	developing rotary motor drive signal A
ROT_MTR_A*	developing rotary motor drive signal A*
ROT_MTR_B	developing rotary motor drive signal A*
ROT_MTR_B*	developing rotary motor drive signal B*
ROTARY_HP_SNS	developing rotary HP detection signal
ROTARY_SL	developing rotary fixing solenoid drive signal

Abbreviation	Signal name
ROTARY_SL_SNS	developing rotary fixing detection signal
RSET	finisher reset signal
SCN_ACC*	scanner motor acceleration signal
SCN_DEC*	scanner motor deceleration signal
SCN_FG_IN*	scanner motor speed detection signal
SEC_ROLL_PRESS_M_A	secondary transfer roller shift motor drive signal A
SEC_ROLL_PRESS_M_A*	secondary roller shift motor drive signal A*
SEC_ROLL_PRESS_M_B	secondary transfer roller shift motor drive signal B
SEC_ROLL_PRESS_M_B*	secondary transfer roller shift motor drive signal B*
SEC_TRNS_HP_SNS	secondary transfer roller HP detection signal
SECOND_TR	secondary transfer bias drive signal
SFTTRAY_CCW	shift tray motor drive signal 0
SFTTRAY_CNCT	shift tray connection detection signal
SFTTRAY_CW	shift tray motor drive signal 1
SFTTRAY_FULL_ON	shift tray full detection signal 1
SFTTRAY_L_HP	shift tray left HP detection signal
SFTTRAY_PAP_FULLL	shift tray full detection signal 0
SFTTRAY_PAP_SNS	shift tray paper detection signal
SFTTRAY_R_HP	shift tray right HP detector signal
STPC_RXD	finisher communication signal 0
STPC_TXD	finisher communication signal 1
SUB_HOP_REMAIN	hopper toner level detection signal
SUB-HEAT-ON	fixing sub heater drive signal
SUB-TR-ERR	fixing sub heater error signal
TR_REV_BIAS	secondary transfer reversal bias drive signal
TR1_CRT_SEL	primary transfer current selection signal
TR1_ON	primary transfer bias drive signal
TR1CONT	primary transfer bias control signal
TR1CONTN	primary transfer reverse bias control signal

Abbreviation	Signal name
TRICRTCONT	primary transfer current control signal
TR1ELM_ON	primary transfer static eliminator bias drive signal
TR1ELM_TRN	primary transfer static eliminator bias drive signal
TR1ELMCONT	primary transfer static eliminator bias control signal
TR1RVSEL	primary transfer reverse bias selection signal
TRNS1_DC	primary transfer DC bias drive signal
UP_CST_FEED_SL	cassettes 3 pickup solenoid drive signal
UP_CST_FEED_SNS	cassette 3 pickup solenoid drive signal
UP_CST_LIFT	cassette 3 lifter motor drive signal
UP_CST_LIMIT_SNS	cassette 3 limit detection signal
UP_CST_PAP_HIGHT_SNS5	cassette 3 lifter detection signal
UP_CST_PAP_SNS	cassette 3 paper detection signal
UP_CST_REMAIN_SNS0	cassette 3 paper level detection signal A
UP_CST_REMAIN_SNS1	cassette 3 paper level detection signal B
UP_CST_SIZE0	cassette 3 paper size detection signal 0
UP_CST_SIZE1	cassette 3 paper size detection signal 1
UP_CST_SIZE2	cassette 3 paper size detection signal 2
UP_CST_SIZE3	cassette 3 paper size detection signal 3
UP_CST_SIZE4	cassette 3 paper size detection signal 4
V_PASS_LOW_M_C LKA	vertical path motor drive signal A
V_PASS_LOW_M_C LKAB	vertical path motor drive signal AB
V_PASS_LOW_M_C LKB	vertical path motor drive signal B
V_PASS_LOW_M_C LKBB	vertical path motor drive signal BB
VDO	video signal 0
VDO*	video signal 1
VPASS_SNS_0	vertical path 0 detection signal
VPASS_SNS1	vertical path 1 paper detection signal
VPASS_SNS2	vertical path 2 paper detection signal

Abbreviation	Signal name
VPASS_SNS3	vertical path 3 paper detection signal
VPASS_SNS4	vertical path 4 paper detection signal
WASTE_TNR_ERRO	waste toner screw lock detection signal
YOKO_REGI_CLK_ A	laser scanner motor drive signal A
YOKO_REGI_CLK_ A*	laser scanner motor drive signal A*
YOKO_REGI_CLK_ B	laser scanner motor drive signal B
YOKO_REGI_CLK_ B*	laser scanner motor drive signal B*
YOKO_REGI_SNS	horizontal registration detection signal
ZERO_CROSS	zero-cross detection signal

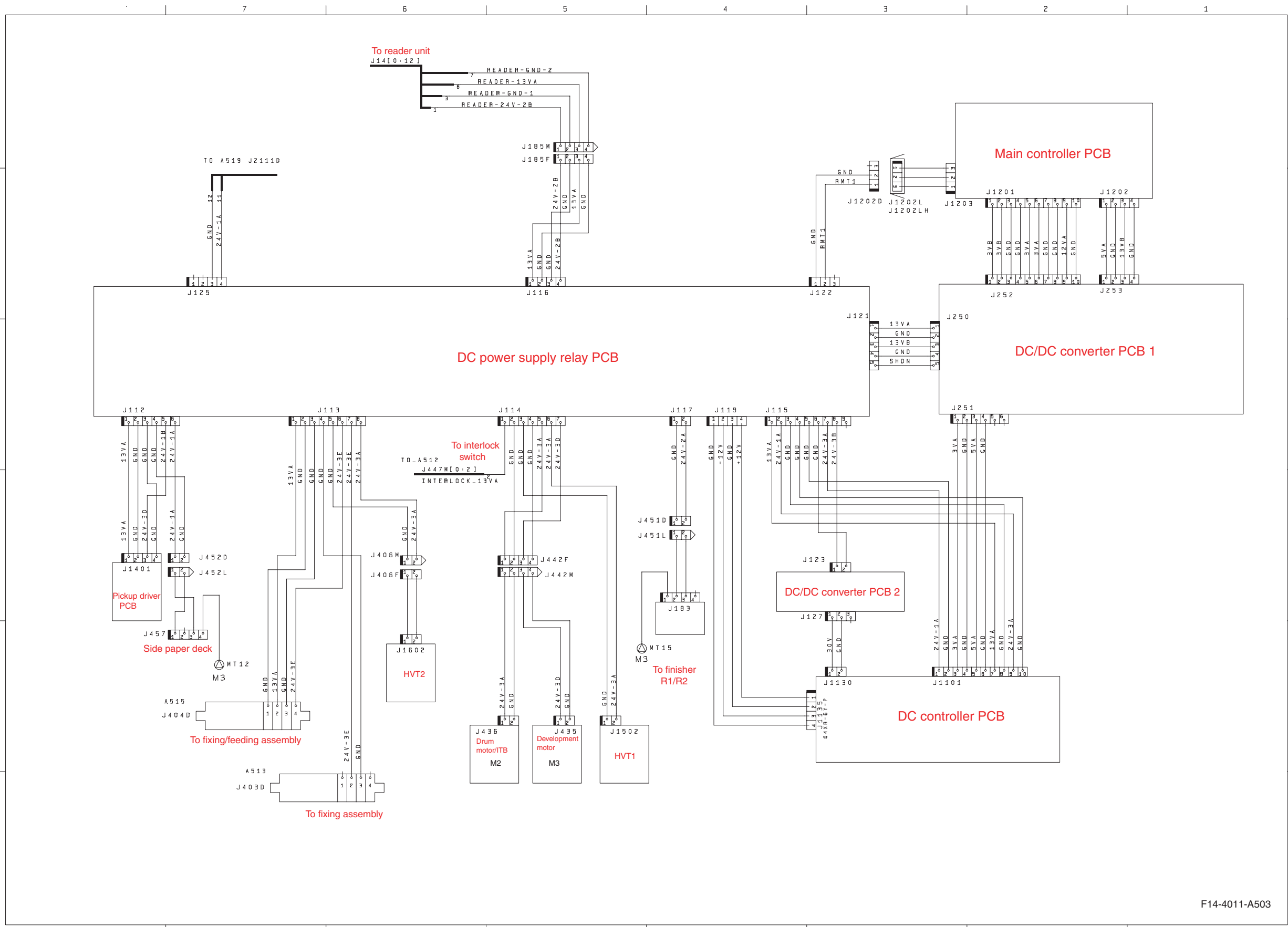
General Circuit Diagram
 General Circuit Diagram 1 (Printer)



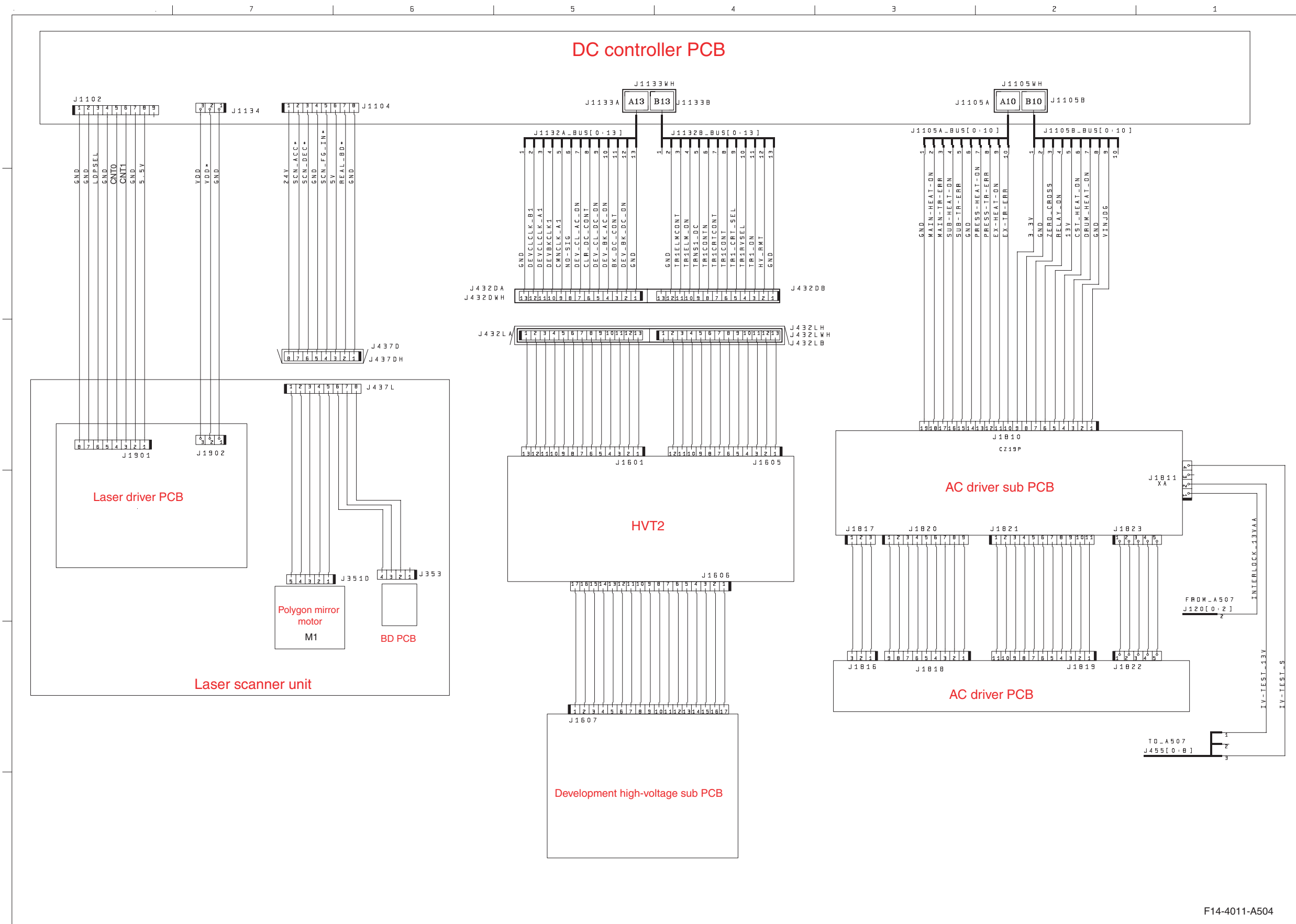
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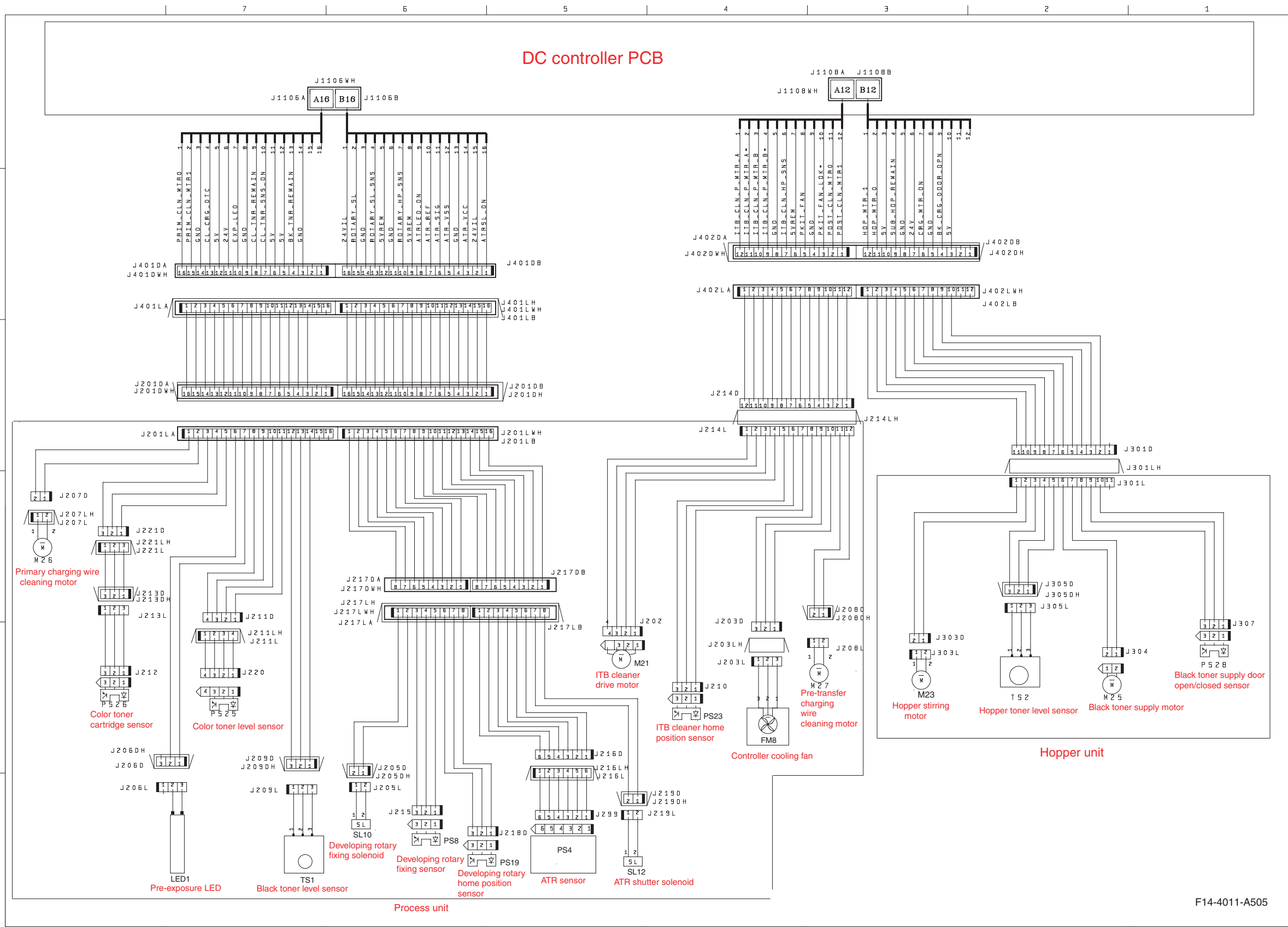


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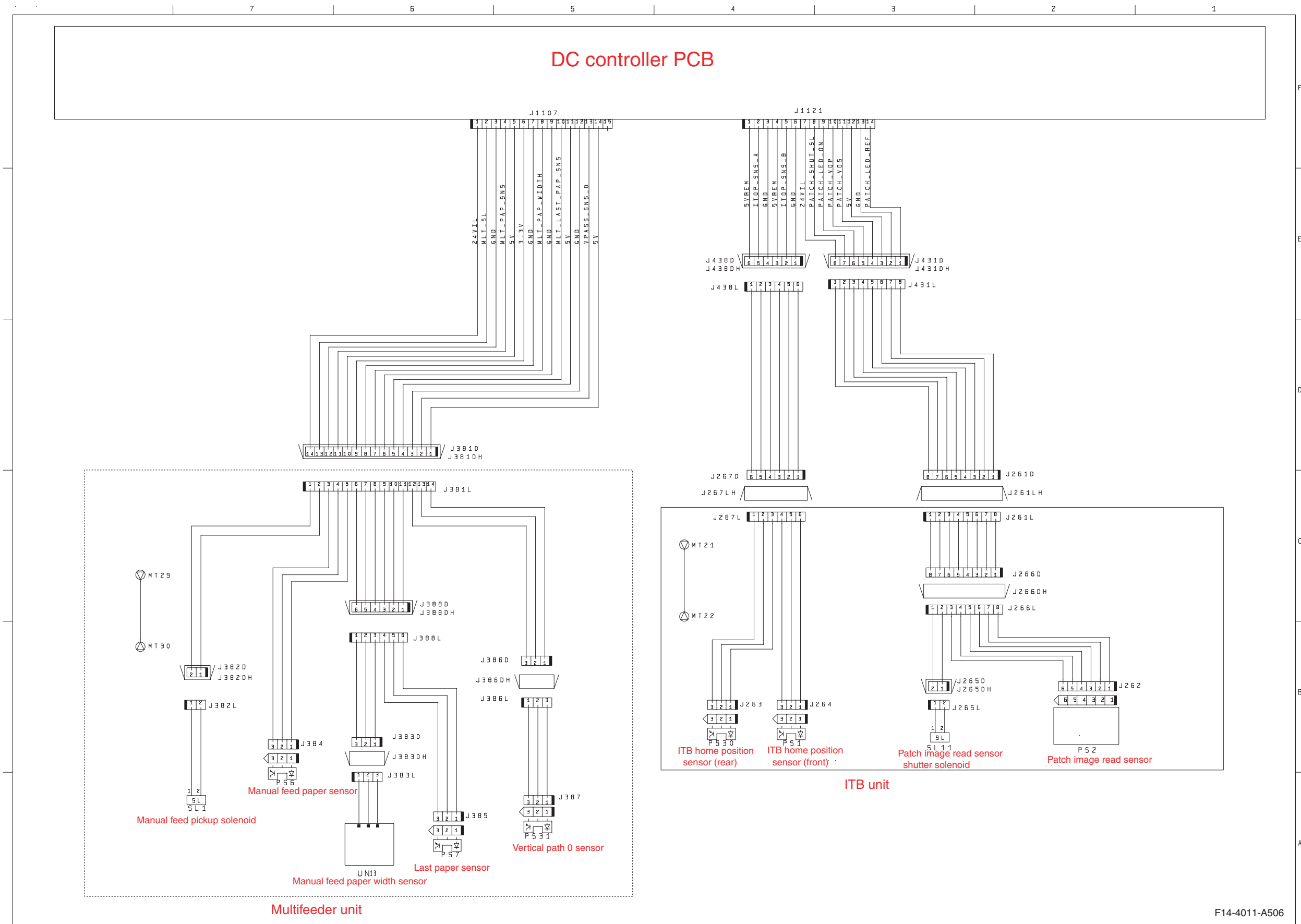


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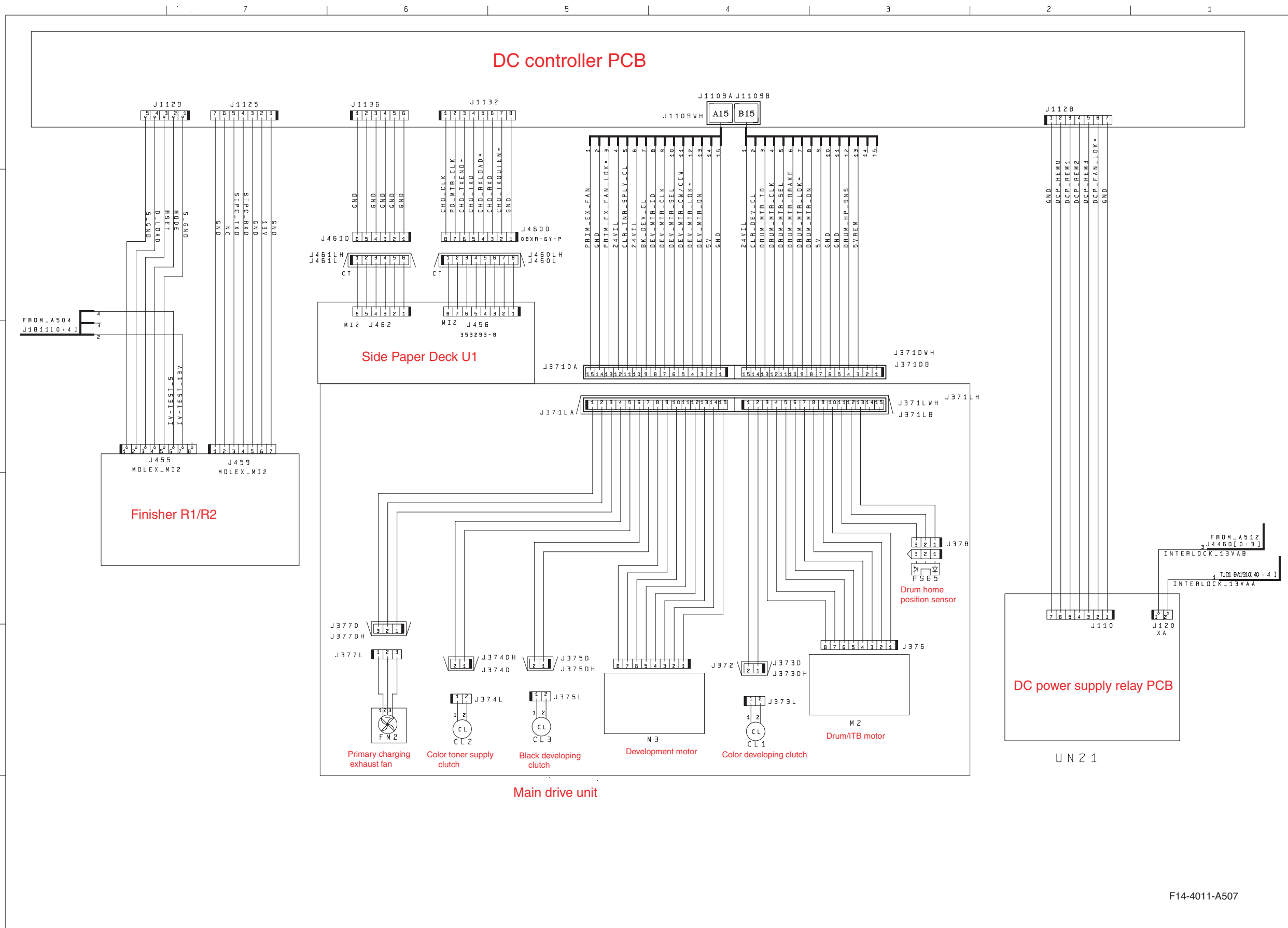
General Circuit Diagram 4 (Printer)



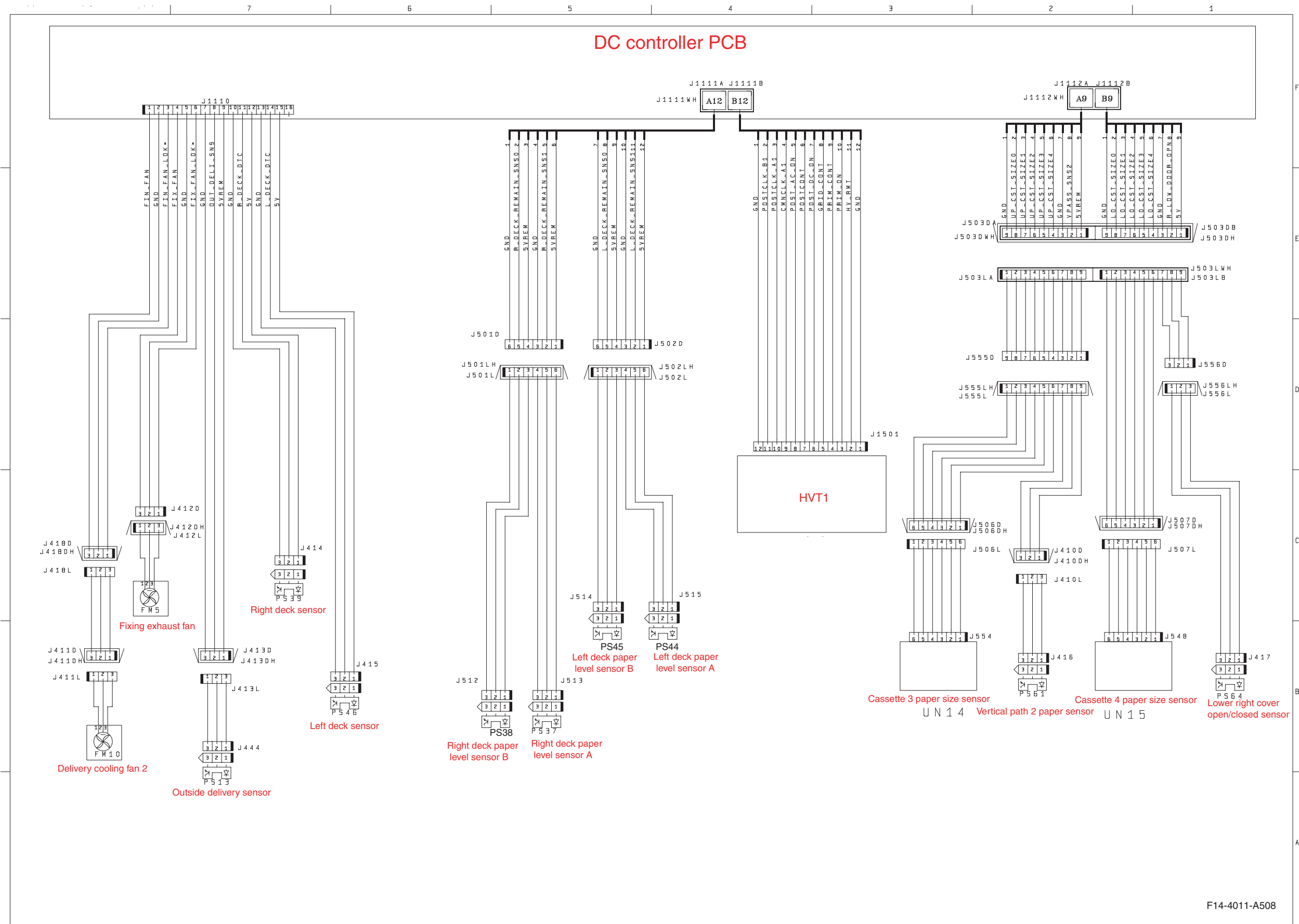
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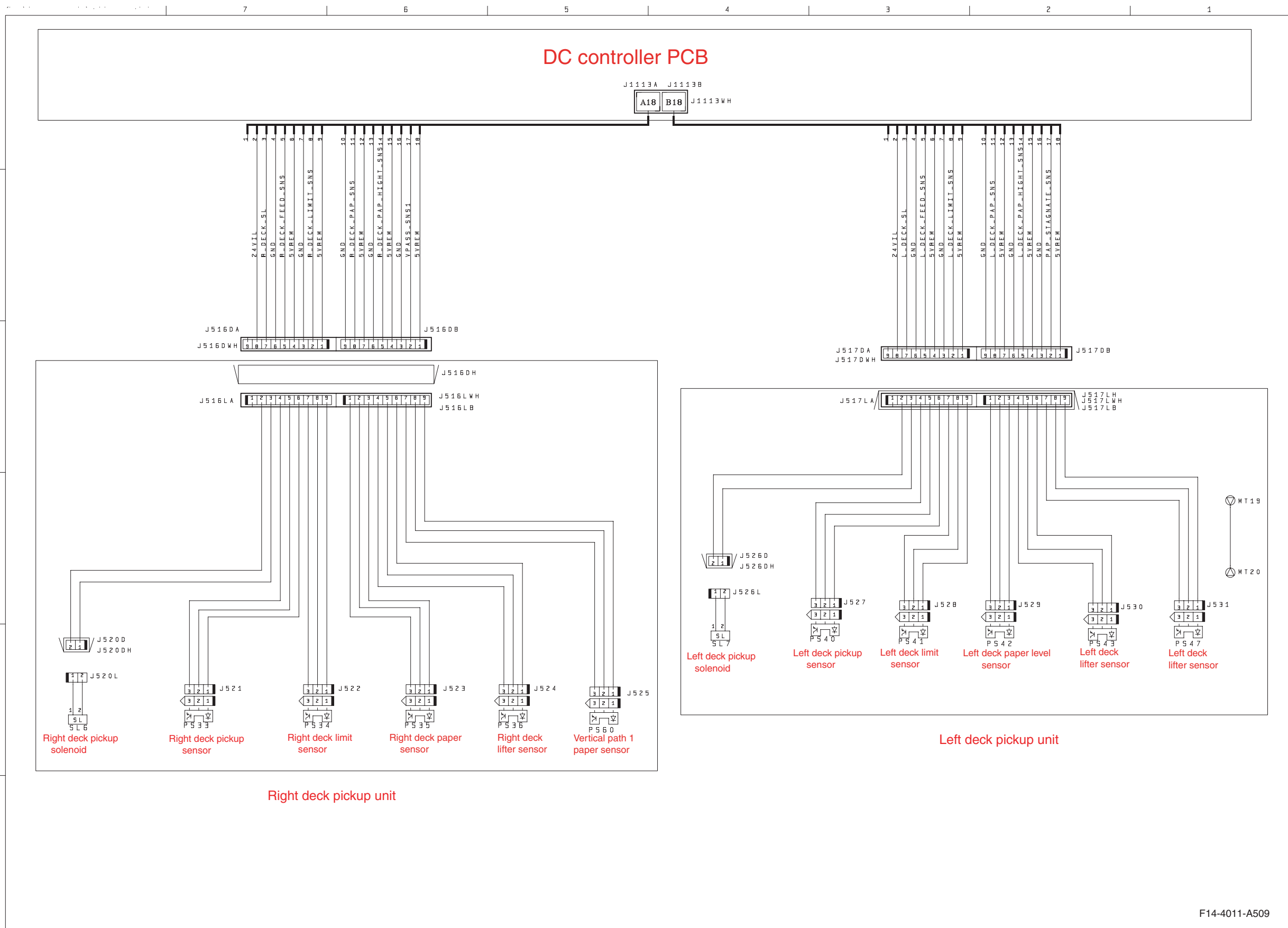
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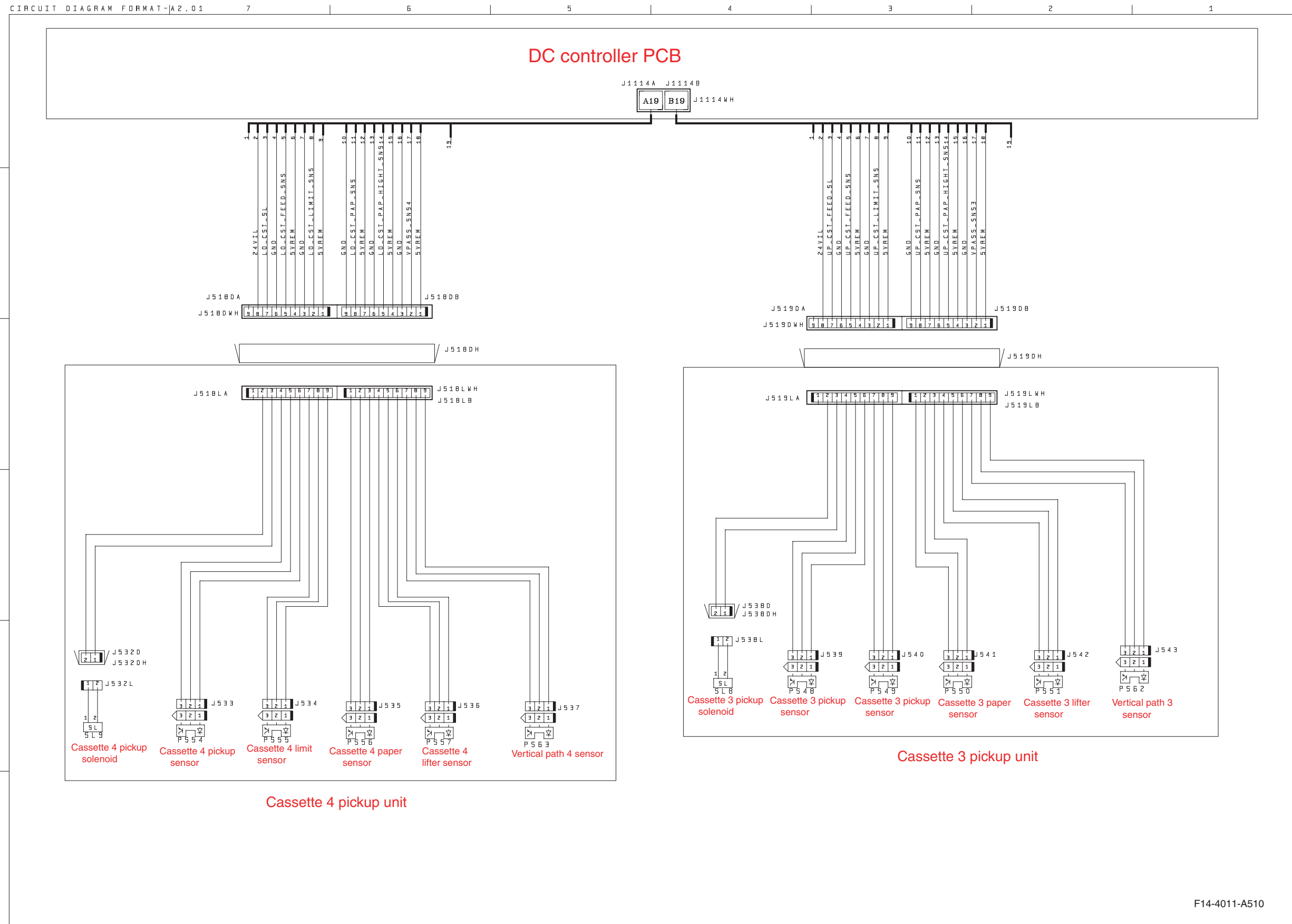


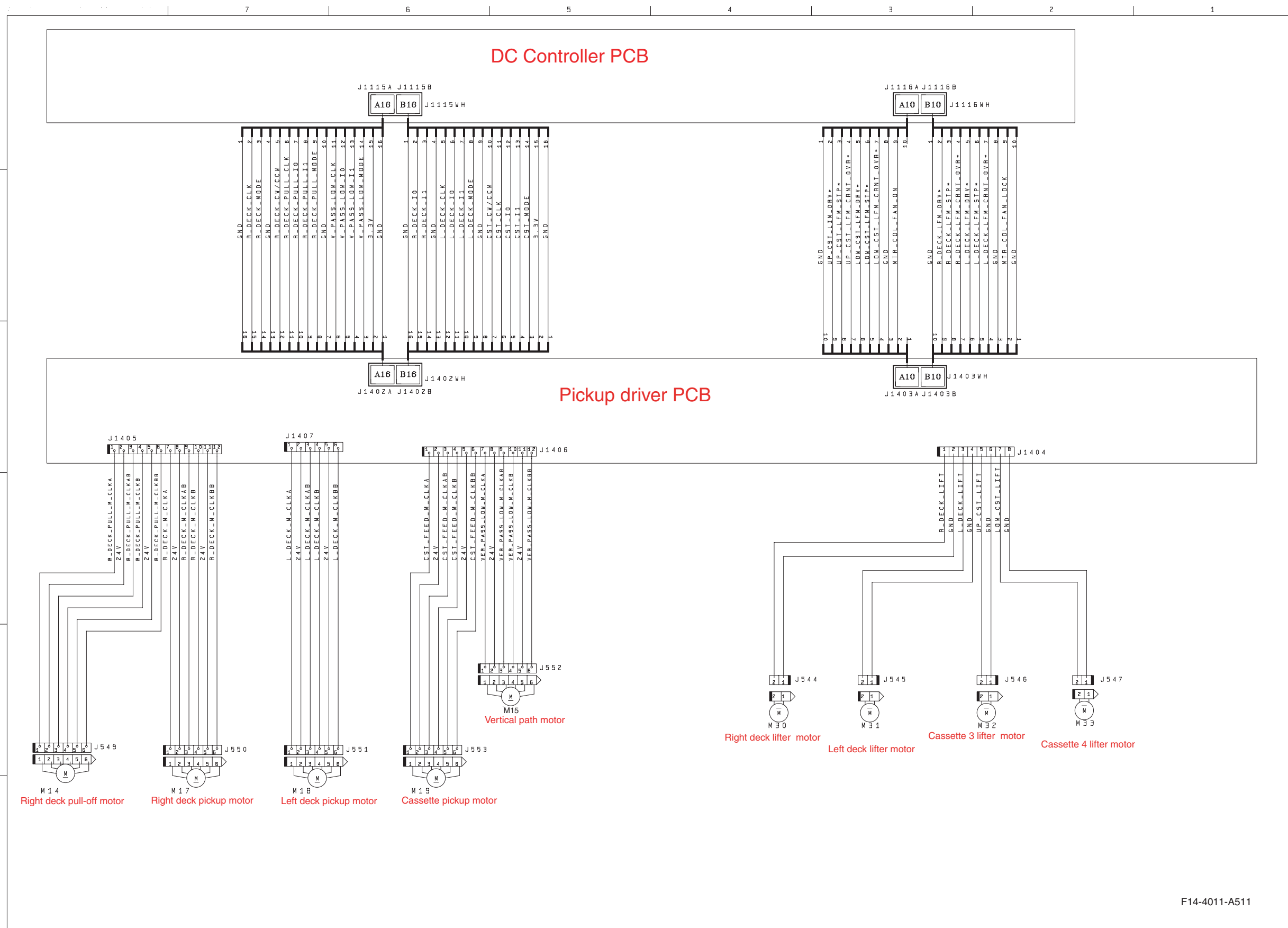
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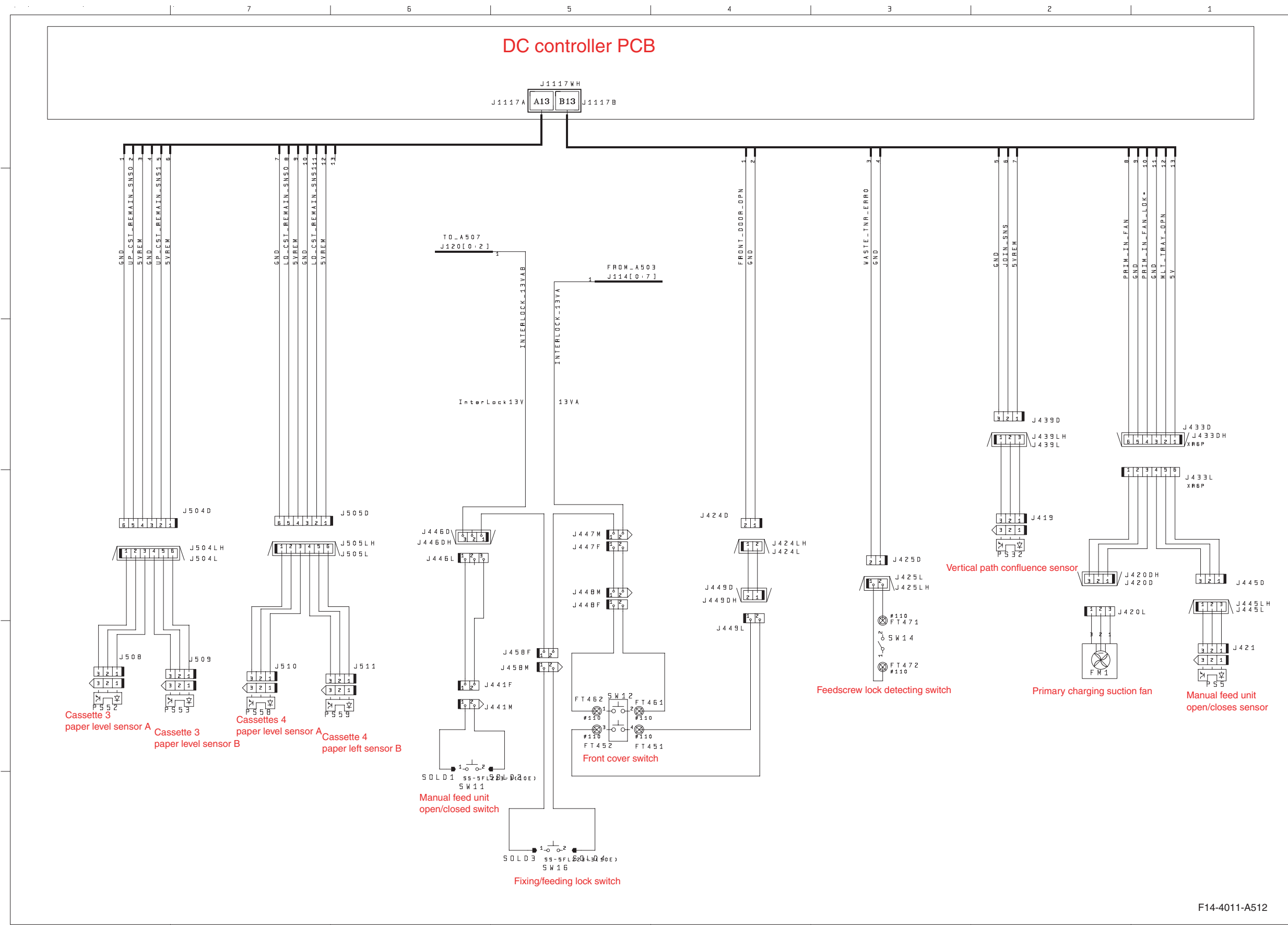
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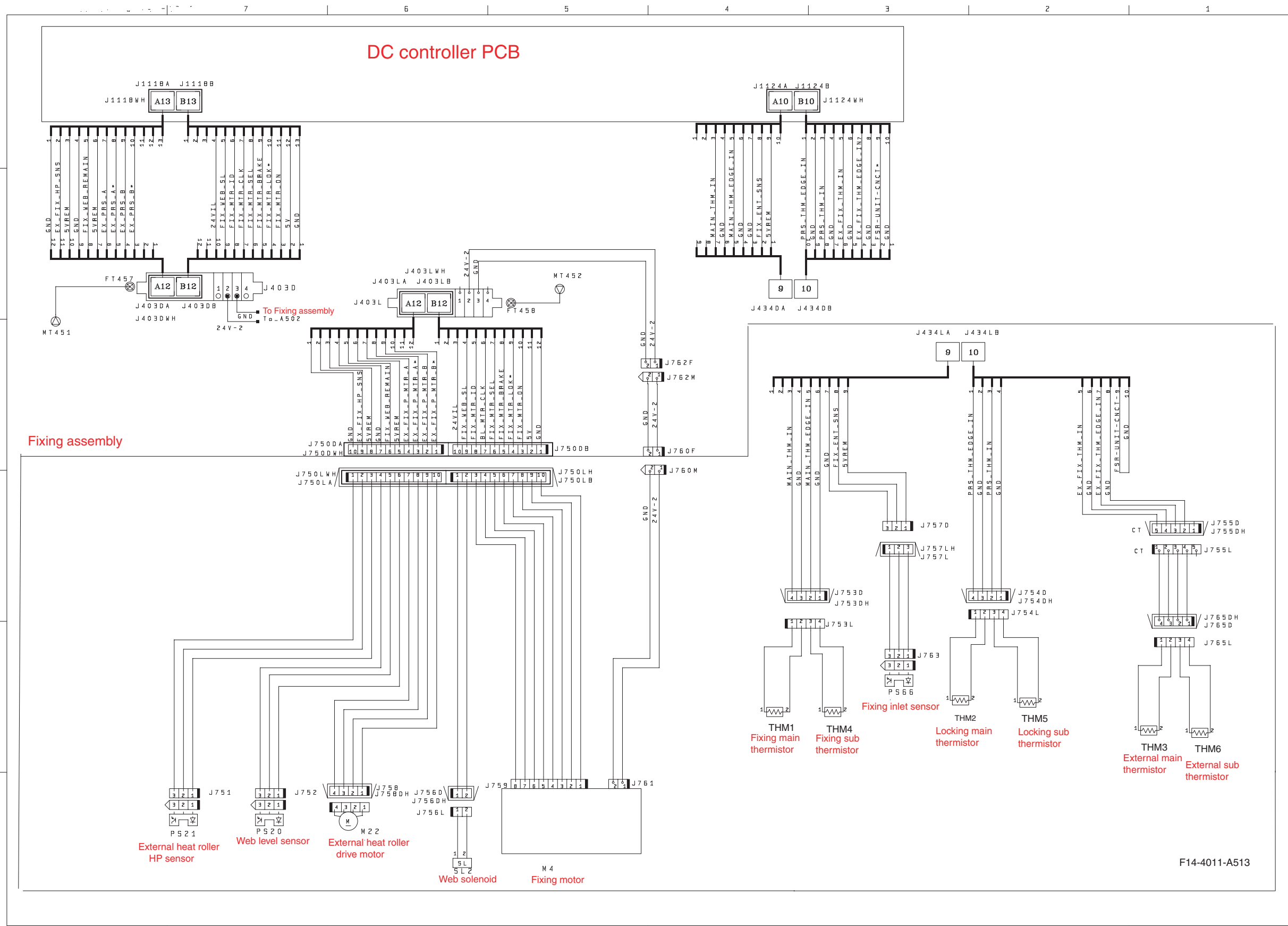


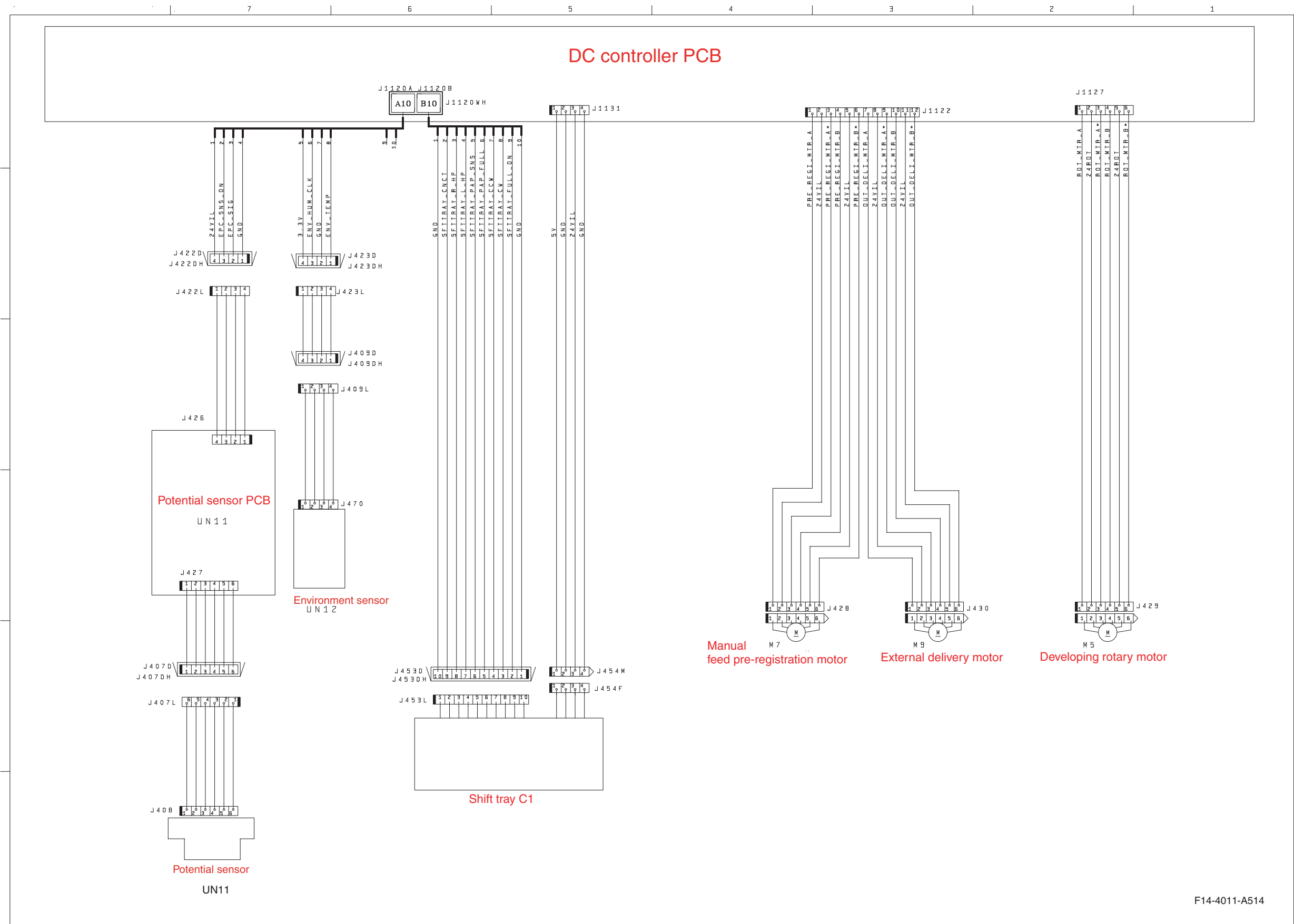




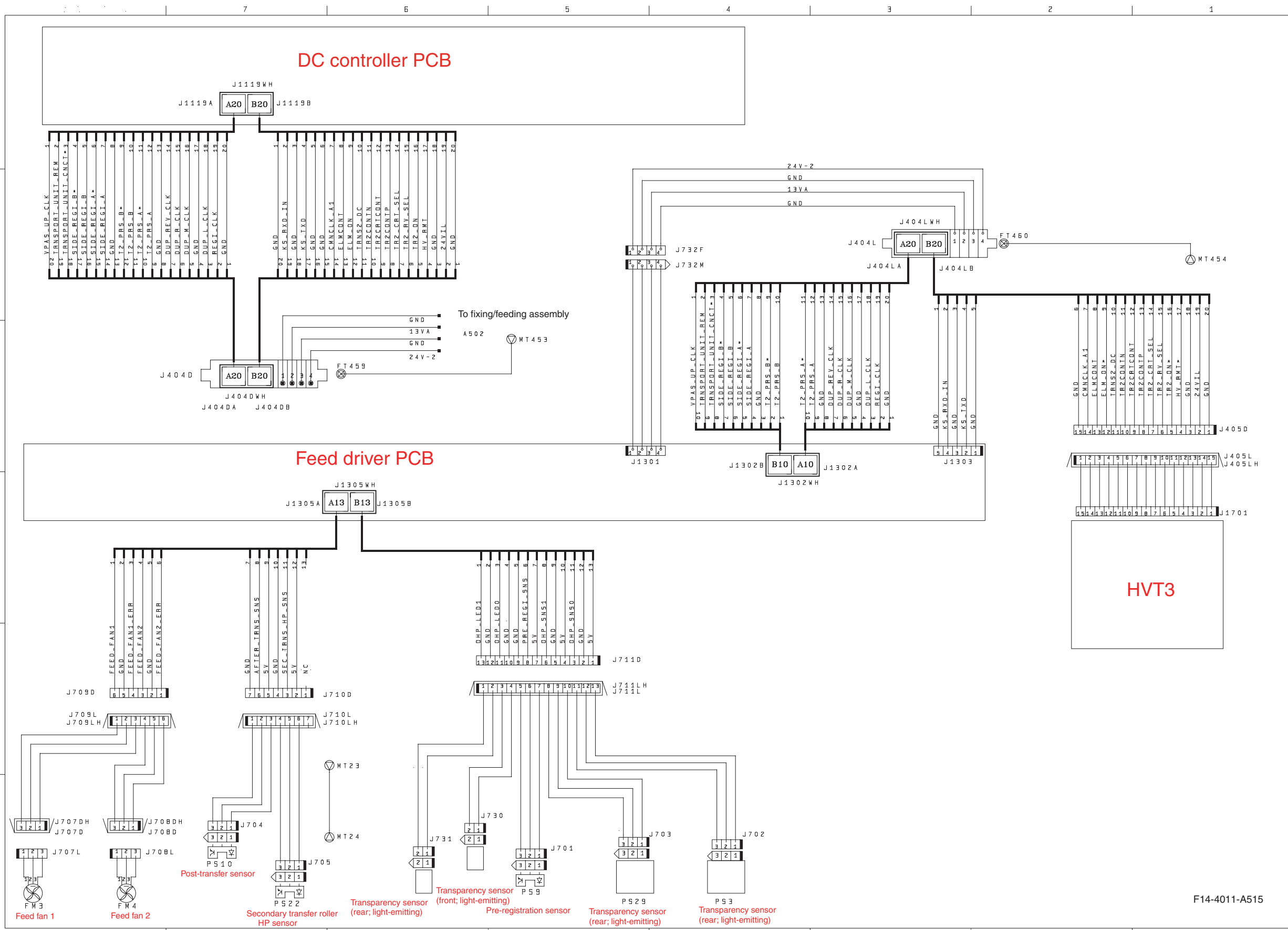
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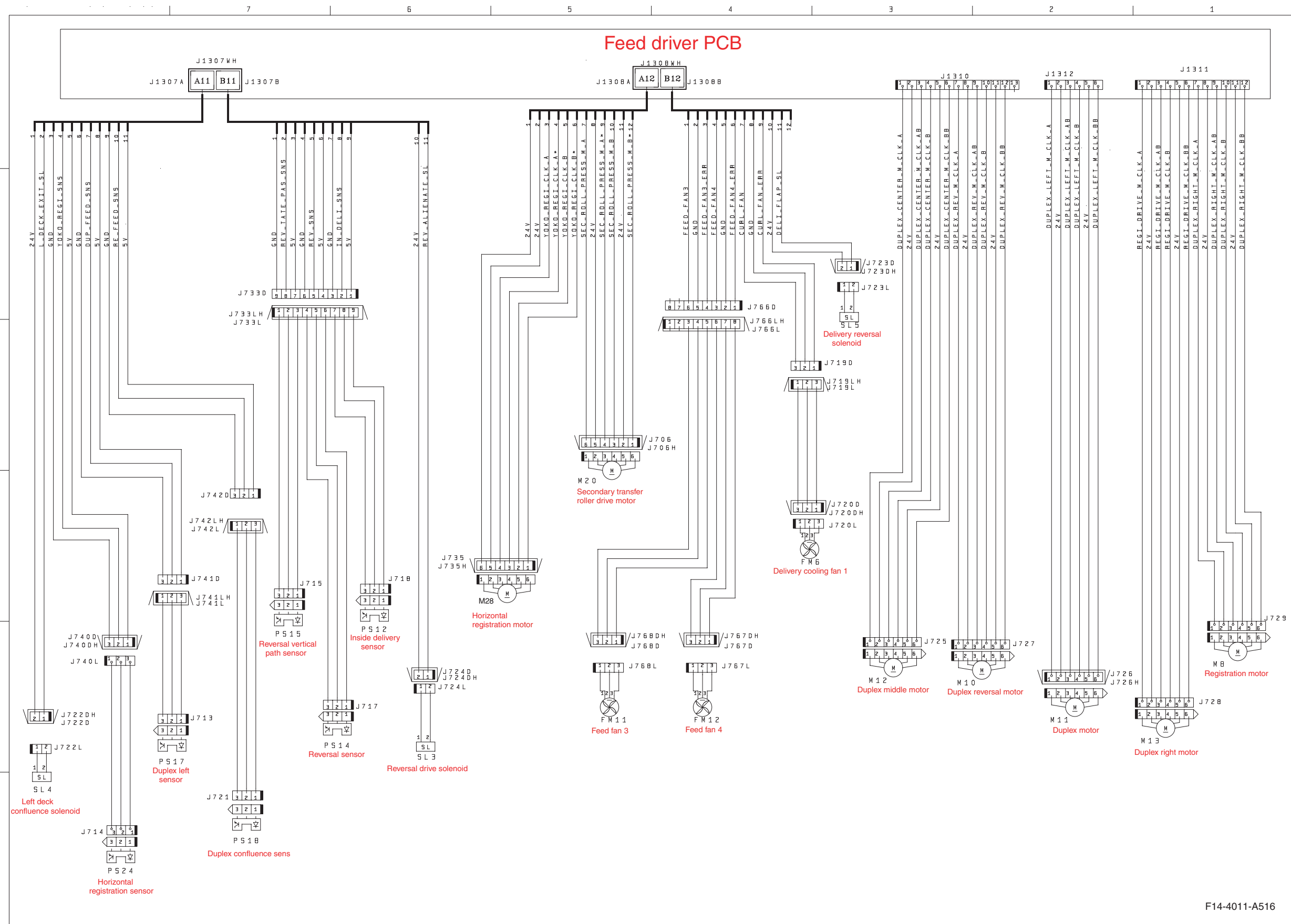




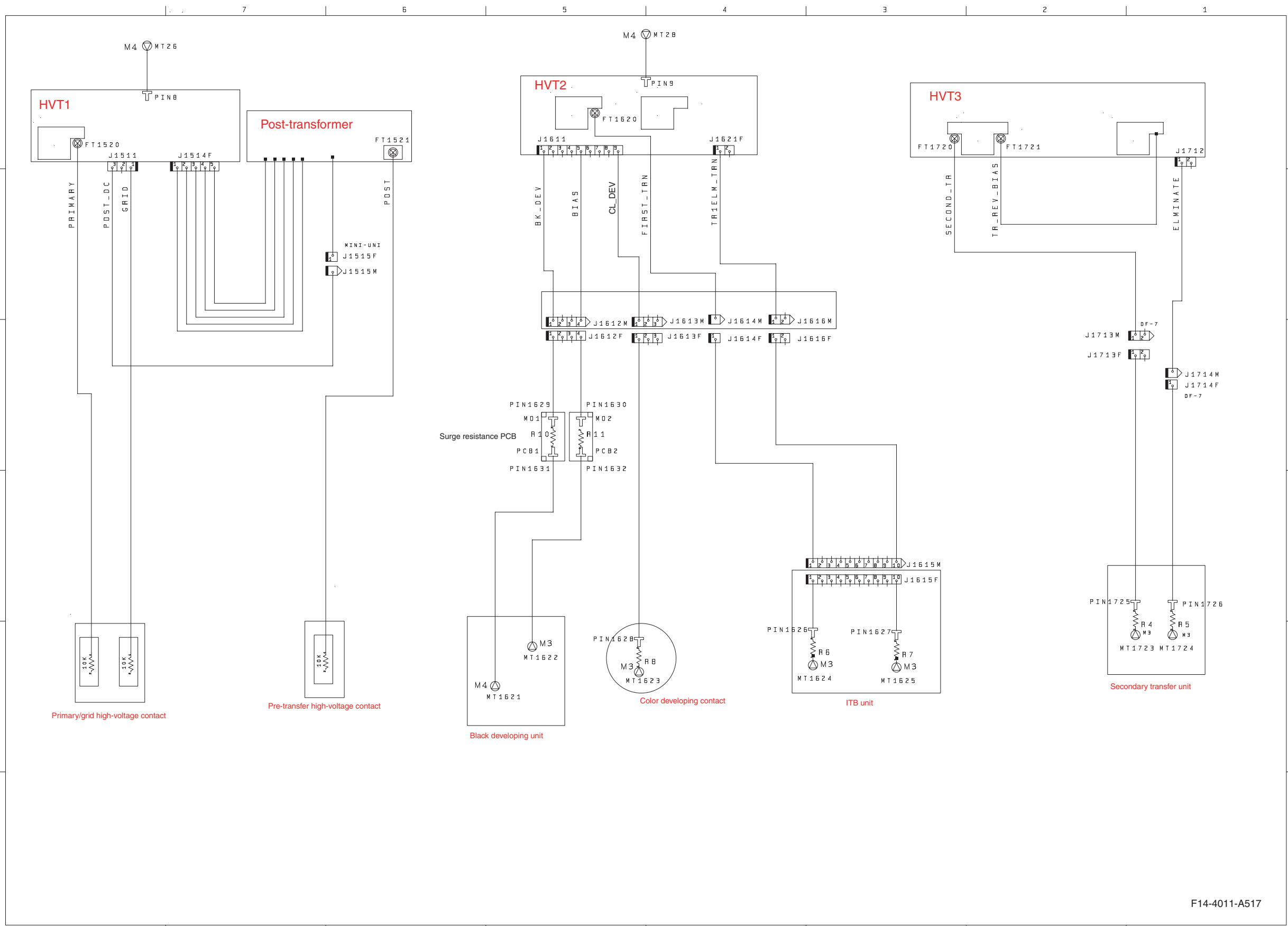


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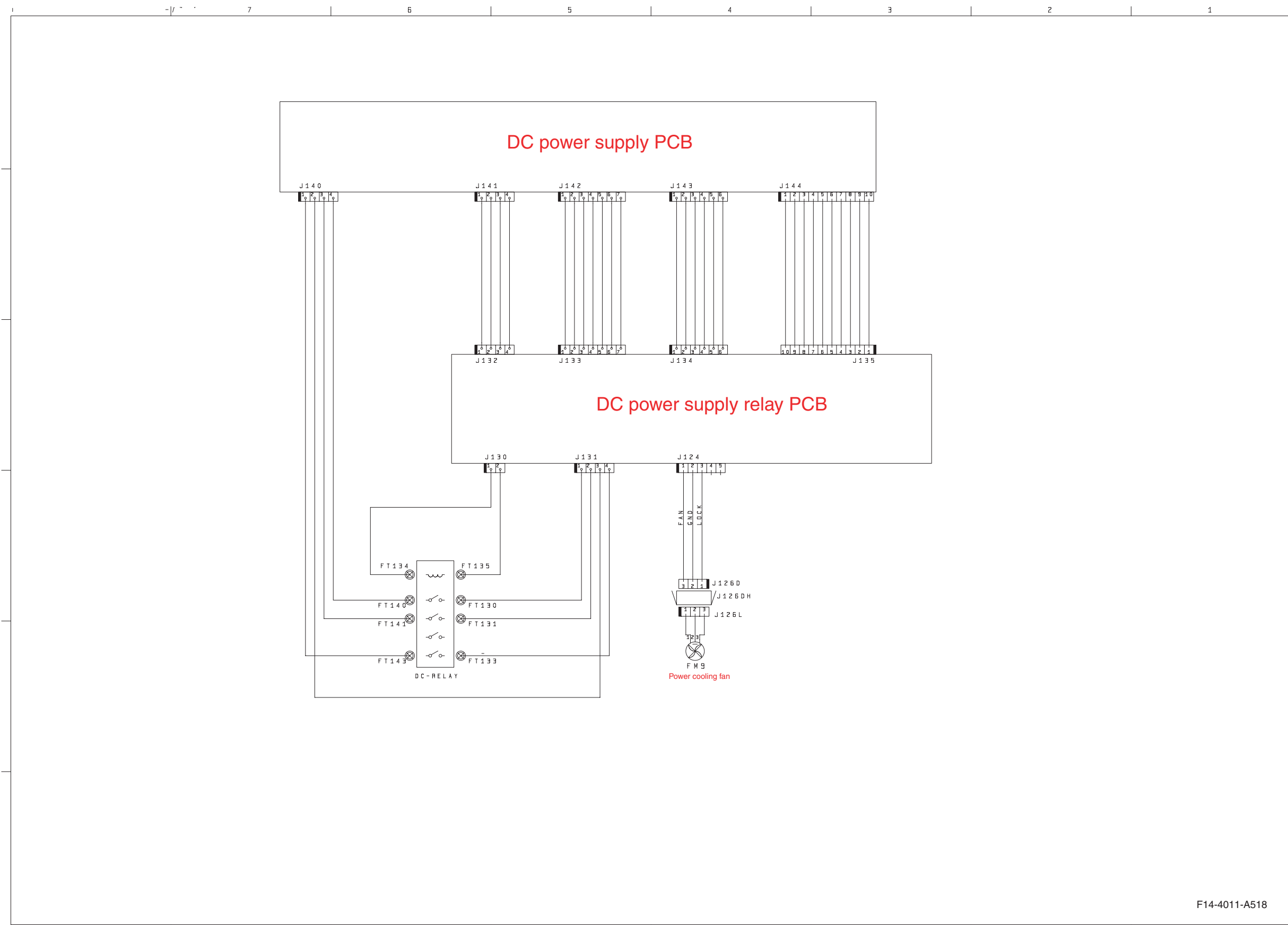




General Circuit Diagram 16 (Printer)

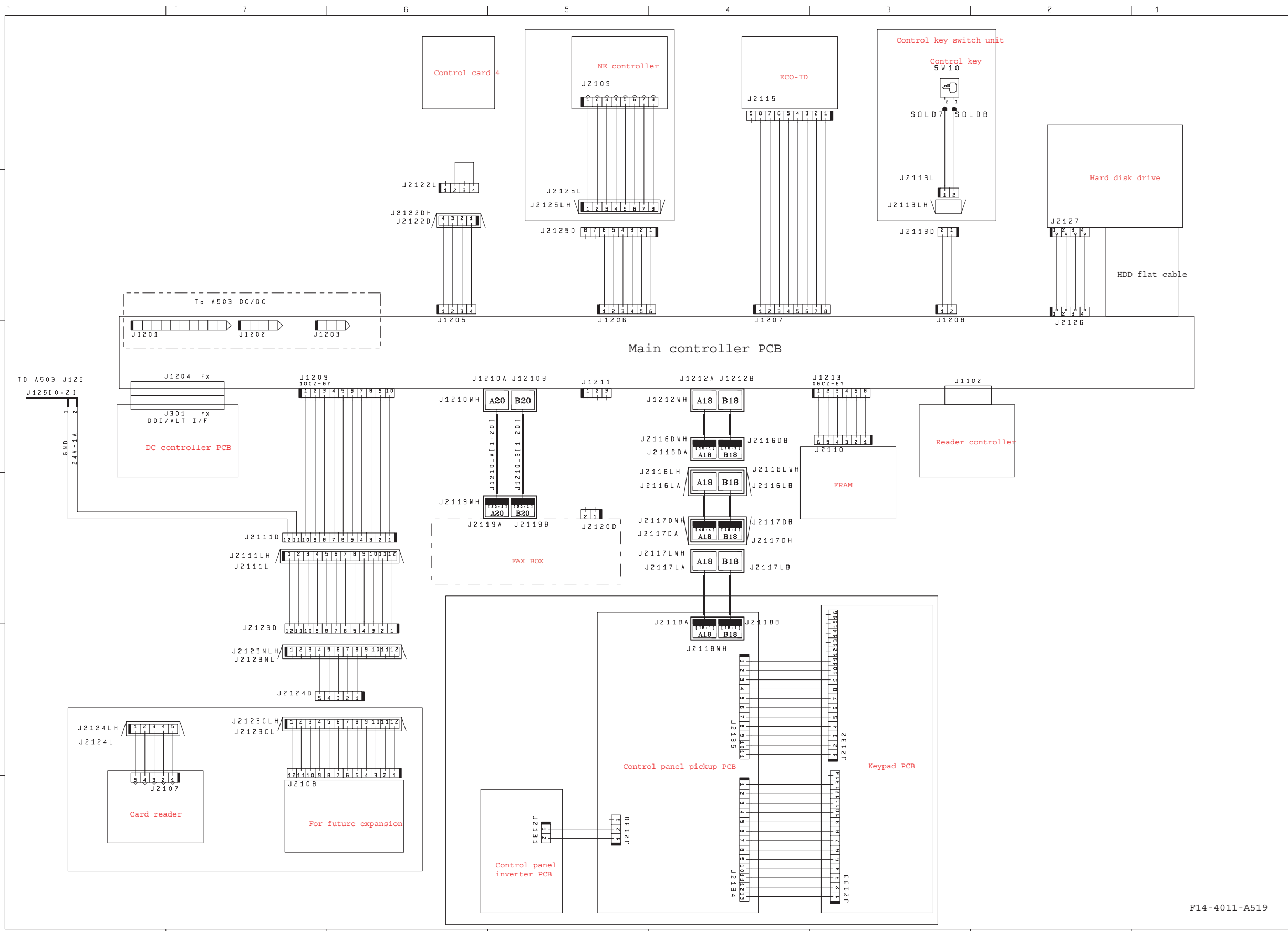


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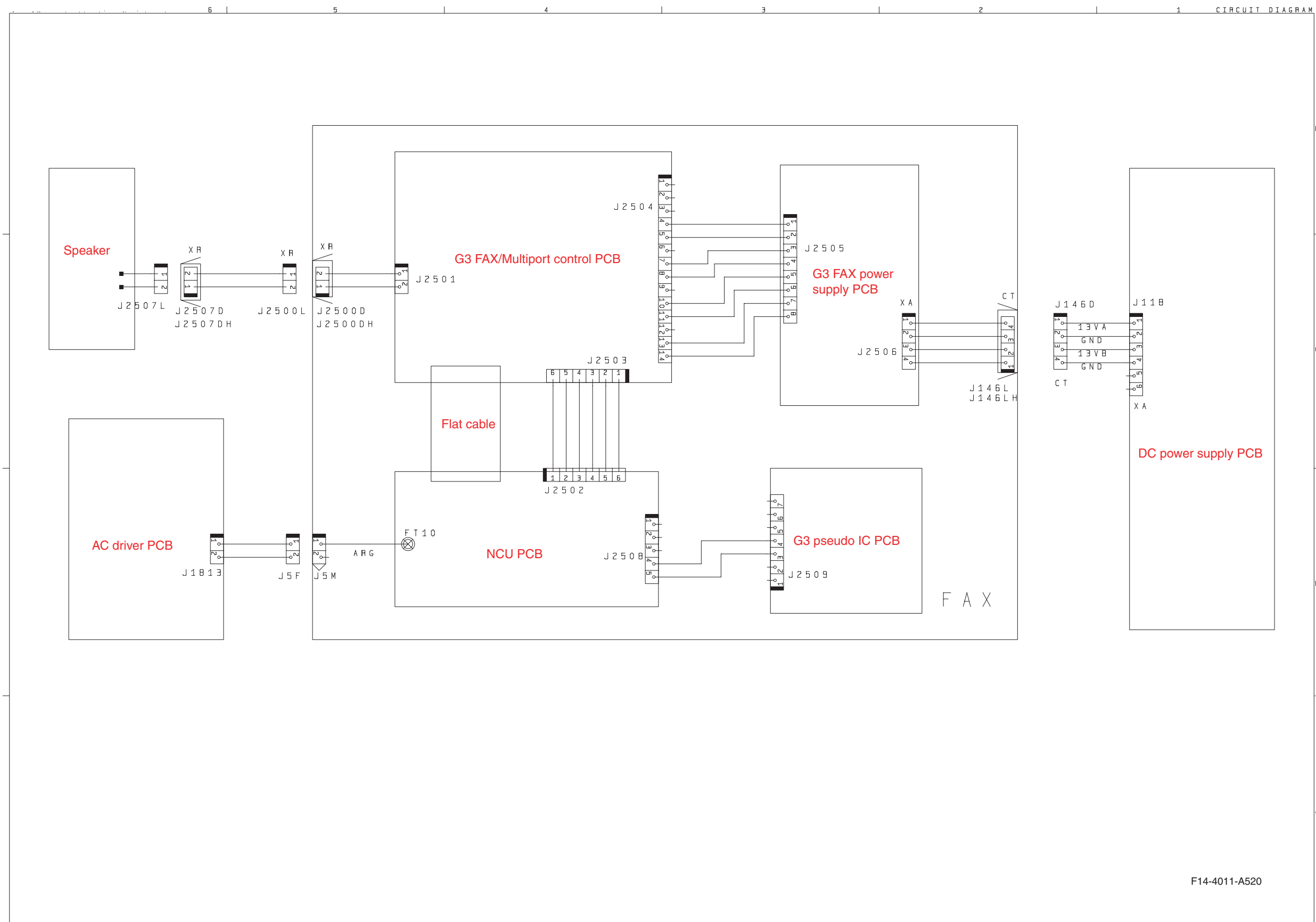


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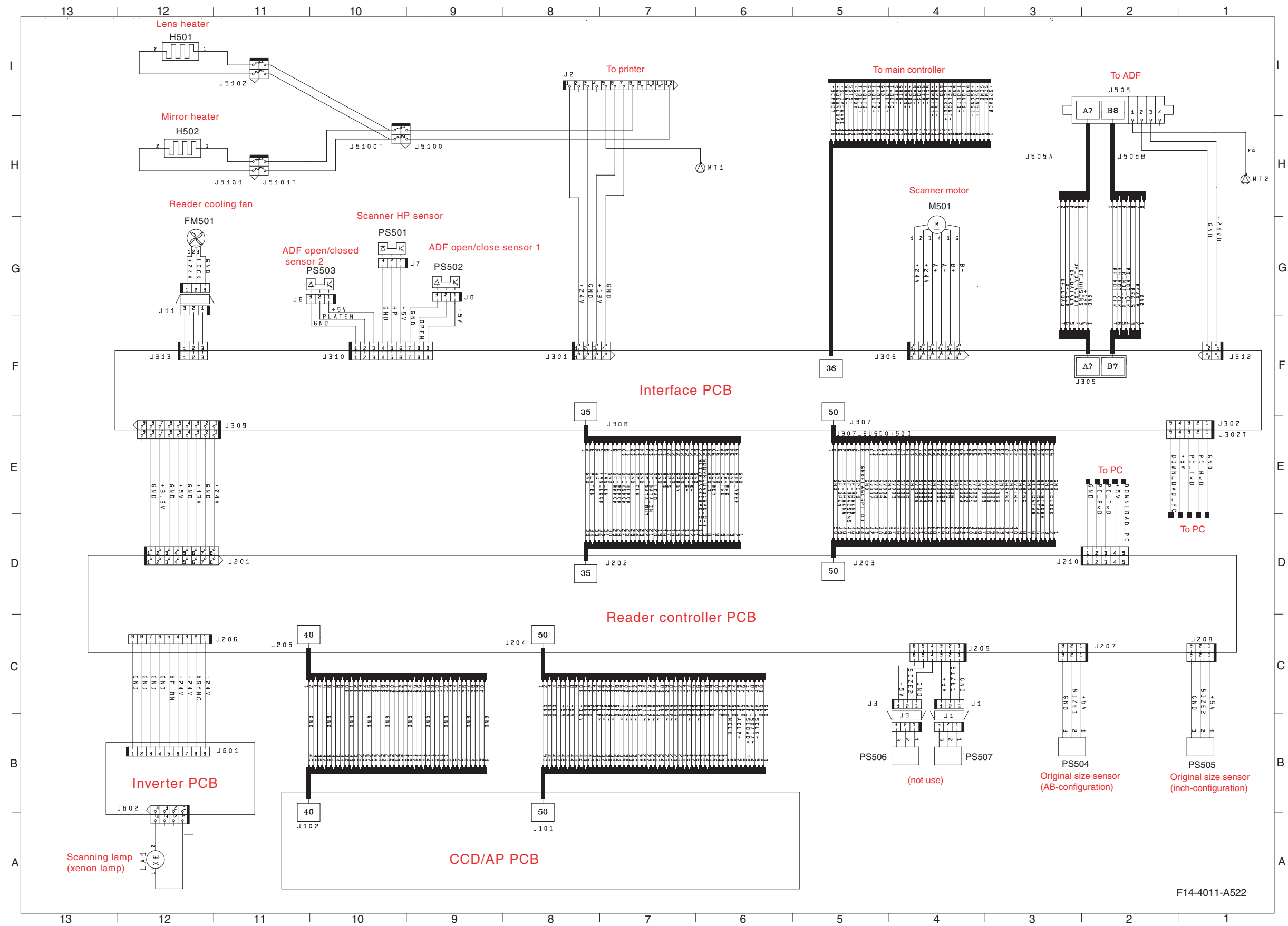
General Circuit Diagram 18 (Printer)



General Circuit Diagram 19 (Printer)



General Circuit Diagram 20 (Reader)



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