General Timing Chart / General Circuit Diagram

iR6570/5570 Series

Canon

Feb 21 2005

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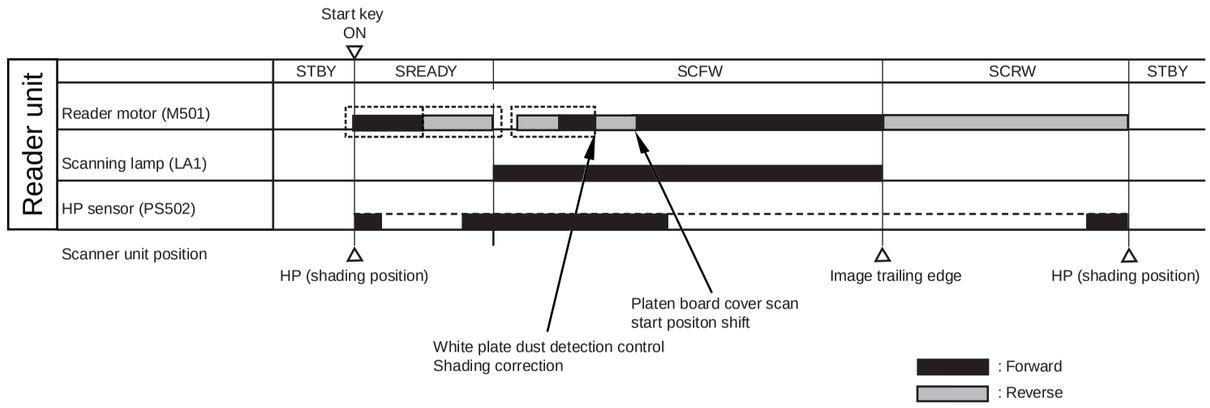
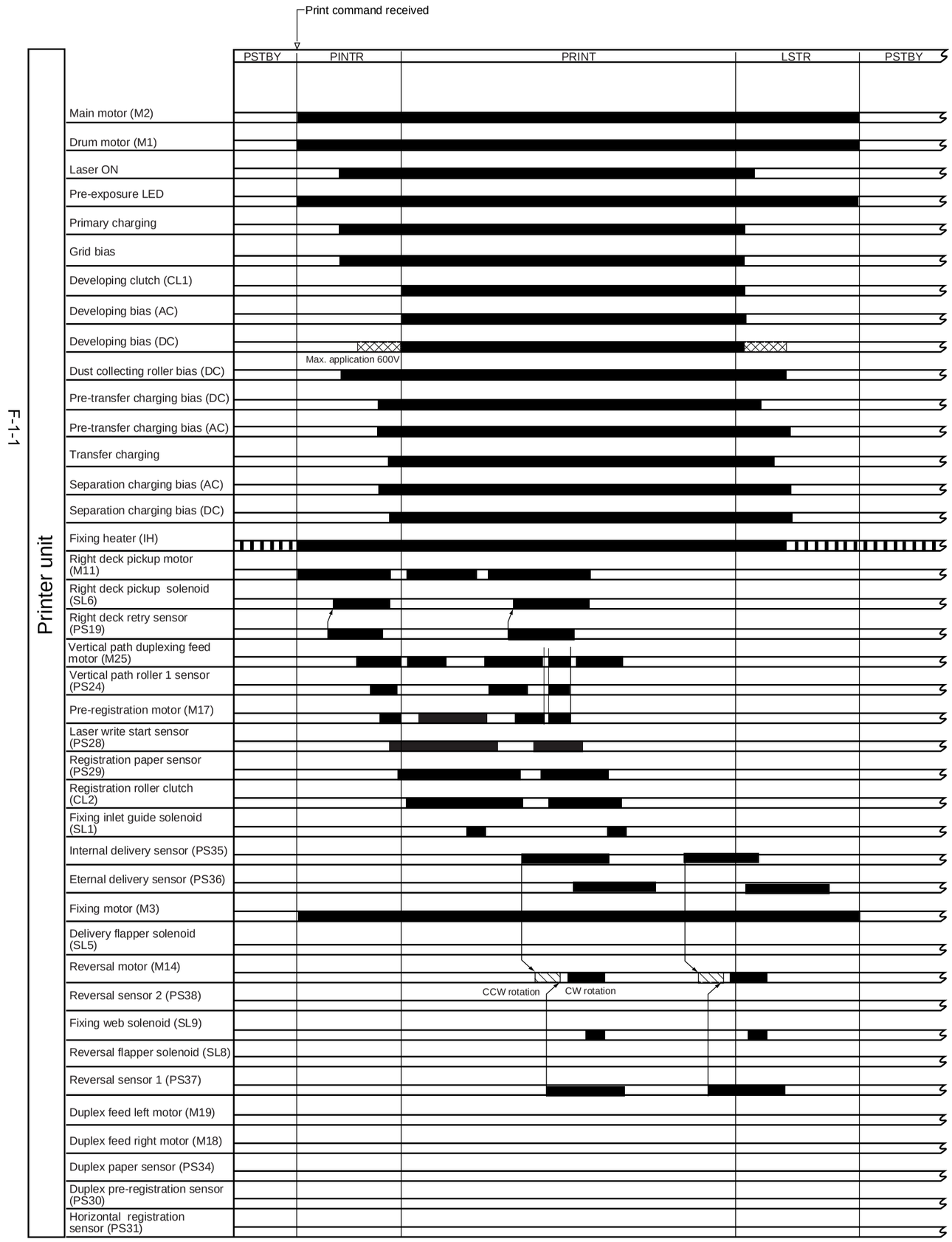

Start key ON
Reader unit
STBY
SREADY
SCFW
SCRW
STBY
Reader motor (M501)
Scanning lamp (LA1)
HP sensor (PS502)
Scanner unit position
HP (shading position)
Image trailing edge
HP (shading position)
Platen board cover scan start positon shift
White plate dust detection control
Shading correction
: Forward
: Reverse


Print command received
Printer unit
PSTBY
PINTR
PRINT
LSTR
PSTBY
Main motor (M2)
Drum motor (M1)
Laser ON
Pre-exposure LED
Primary charging
Grid bias
Developing clutch (CL1)
Developing bias (AC)
Developing bias (DC)
Max. application 600V
Dust collecting roller bias (DC)
Pre-transfer charging bias (DC)
Pre-transfer charging bias (AC)
Transfer charging
Separation charging bias (AC)
Separation charging bias (DC)
Fixing heater (IH)
Right deck pickup motor (M11)
Right deck pickup solenoid (SL6)
Right deck retry sensor (PS19)
Vertical path duplexing feed motor (M25)
Vertical path roller 1 sensor (PS24)
Pre-registration motor (M17)
Laser write start sensor (PS28)
Registration paper sensor (PS29)
Registration roller clutch (CL2)
Fixing inlet guide solenoid (SL1)
Internal delivery sensor (PS35)
Eternal delivery sensor (PS36)
Fixing motor (M3)
Delivery flapper solenoid (SL5)
Reversal motor (M14)
CCW rotation
CW rotation
Reversal sensor 2 (PS38)
Fixing web solenoid (SL9)
Reversal flapper solenoid (SL8)
Reversal sensor 1 (PS37)
Duplex feed left motor (M19)
Duplex feed right motor (M18)
Duplex paper sensor (PS34)
Duplex pre-registration sensor (PS30)
Horizontal registration sensor (PS31)

F-1-1

T-2-1

Notation	Signal name	Notation	Signal name
APKIT_TH_AD	AP kit inside temperature detection signal	CONTROLLER_FAN_DEETCT	controller fan lock detection signal
BOTTLE_COVER_SNS_DTC	toner bottle door open/closed detection signal	CONTROLLER_FAN_H/L	controller fan full-speed/half-speed drive signal
C1/RDK_SL_ON	right deck pickup solenoid drive signal	CURL_FAN_DETECT	curl-removing fan lock detection signal
C3/C4_FEED_MOTOR_A,A*,B,B*	cassette pickup motor drive signal A, A*, B, B*	CURL_FAN_ON	curl-removing fan drive signal
C3_LENGTH_1	C3 paper length detection signal 1	DC_SUPPLY_FAN_DETECT	DC power supply fan lock detection signal
C3_LENGTH_2	C3 paper length detection signal 2	DC_SUPPLY_FAN_DETECT	DC power supply fan lock detection signal
C3_LIFTER_MOTOR_ON	C3 lifter motor drive signal	DC_SUPPLY_FAN_ON	DC power supply fan drive signal
C3_LIFTER_ON	C3 lifter motor drive signal	DC_SUPPLY_FAN_ON	DC power supply fan drive signal
C3_LIFTER_SENSE	C3 lifter detection signal	DEL_JAM_SENSE	delivery residual paper detection signal
C3_OPEN_SENSOR	C3 open detection signal	DELIVERY_M_A,A*,B,B*	delivery motor drive signal A, A*, B, B*
C3_PAPER_SENSOR	C3 paper sensor	DEV_CL_ON	developing clutch drive signal
C3_PICKUP_SL_ON	C3 pickup solenoid drive signal	DEV_TONER_SENSOR	developing assembly toner detection signal
C3_PLEVEL_VR	C3 paper level detection signal	DRUM_M_ON	drum motor drive signal
C3_RETRY_SENSOR	C3 retry sensor paper detection signal	DUP_FEED_R_A,A*,B,B*	duplexing feed right motor drive signal A, A*, B, B*
C3_VOLUME_DTC	C3 paper width detection signal	DUPLEX_FAN_DETECT	duplexing feed fan lock detection signal
C4_LENGTH_0	C4 paper length detection signal 0	DUPLEX_FAN_ON	duplexing feed fan drive signal
C4_LENGTH_1	C4 paper length detection signal 1	DUPLEX_PAPER_SENSOR	duplexing paper detection signal
C4_LIFTER_MOTOR_ON	C4 lifter motor drive signal	FEED_FAN_DET	feed fan lock detection signal
C4_LIFTER_OM	C4 lifter motor drive signal	FEED_FAN_H/L	feed fan full-speed/half-speed drive signal
C4_LIFTER_SENSE	C4 lifter detection signal	FLAP_SL_ON	paper deflecting plate solenoid drive signal
C4_OPEN_SENSOR	C4 open detection signal	FRONT_DOOR_DETECT	front door closed detection signal
C4_PAPER_SENSOR	C4 paper sensor	FSR_ENT_SNS	fixing inlet paper detection signal
C4_PICKUP_SL_ON	C4 pickup solenoid drive signal	FSR_EXIT_SNS	fixing outlet paper detection signal
C4_PLEVEL_VR	C4 paper level detection signal	FSR_M_ON	fixing motor drive signal
C4_RETRY_SENSOR	C4 retry sensor paper detection signal	FUSER_F_SL_UP	fixing inlet guide solenoid drive signal (ascent)
C4_VOLUME_DTC	C4 paper width detection signal	FUSER_SL_DOWN	fixing inlet guide solenoid drive signal (descent)
CIR_DUCT_FAN_DTC	circulation duct fan lock detection signal	H_REGI_A,A*,B,B*	horizontal registration motor drive signal A, A*, B, B*
CIR_DUCT_FAN_H/L	circulation duct fan full-speed/half-speed drive signal	H_REGI_HP	horizontal registration HP detection signal
CLAW_JAM_SNS	claw jam detection signal	HEAT_DISCHARGE_FAN_DETECT	heat discharge fan lock detection signal

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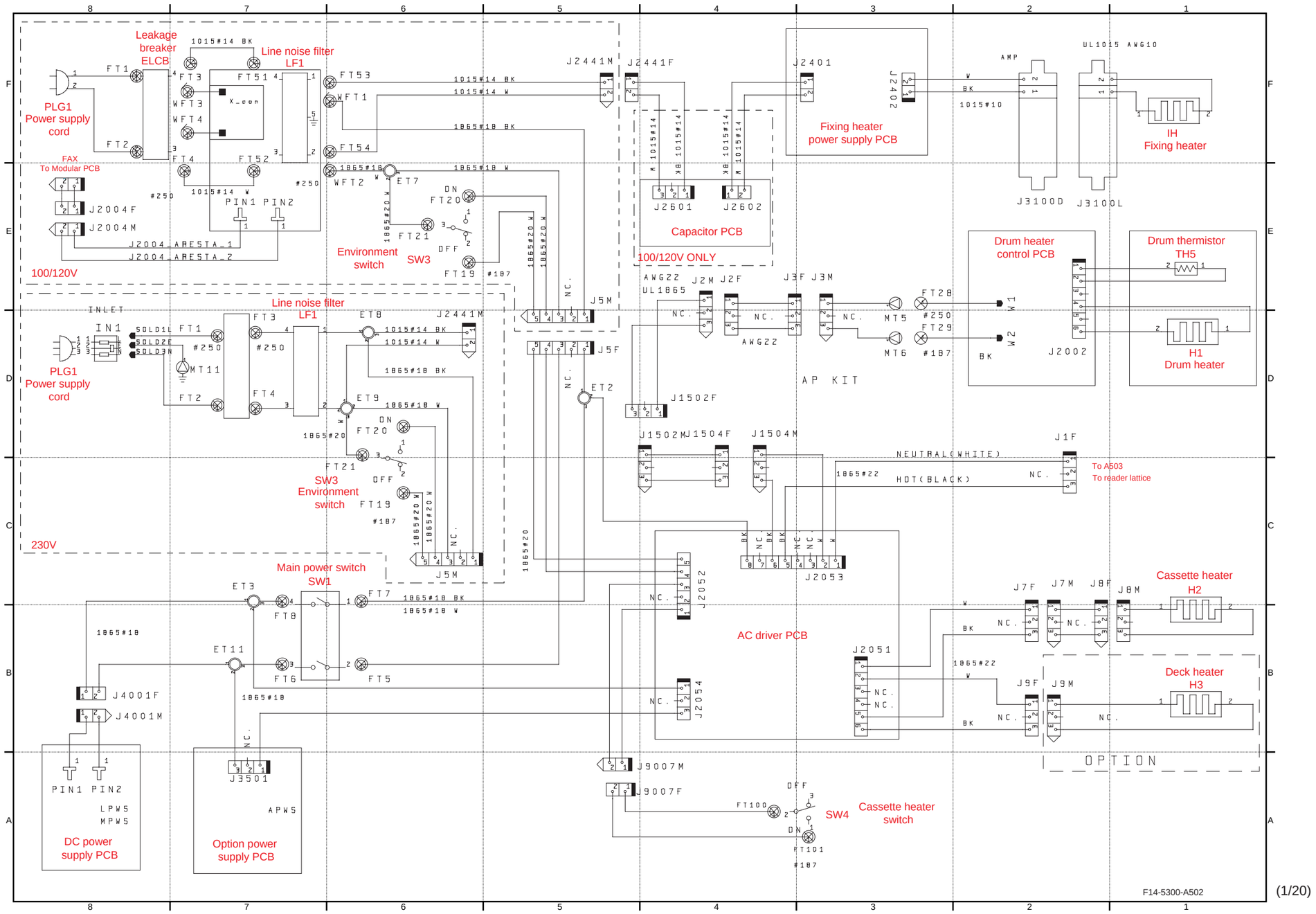
Notation	Signal name	Notation	Signal name
HEAT_DISCHARGE_FAN_H/L	heat discharge fan full-speed/half-speed drive signal	MLT_SL_ON	manual feed pickup solenoid drive signal
HOP_BOTTLE_ON	toner supply motor drive signal	MULTI_SENSOR	manual feed tray paper detection signal
HOP_LIFT_ON	toner stirring motor drive signal	MULTI_VOLUME	manual feed paper width detection signal
HOP_TONER_SENSOR	hopper toner detection signal	OPEN	ADF open detection signal 2
HP	scanner HP detection signal	PATH1_SENSOR	vertical path 1 paper detection signal
HVT_DEV_BIAS_AC	developing AC bias control signal	PATH2_SENSOR	vertical path 2 paper detection signal
HVT_DEV_BIAS_DC	developing DC bias control signal	PATH3_SENSOR	vertical path 3 paper detection signal
HVT_POST	pre-transfer bias control signal	PATH4_SENSOR	vertical path 4 paper detection signal
HVT_PRIMARY	primary bias control signal	PLATEN	ADF open detection signal
HVT_REMOTE	HVT drive signal	POST_CLEAN_OUT1	pre-transfer charging wire cleaning motor drive signal (forward)
HVT_ROLLER_BIAS	electrode roller bias control signal	POST_CLEAN_OUT2	pre-transfer charging wire cleaner motor drive signal (reverse)
HVT_SEPARATE	separation bias control signal	PRAIMARY_FAN_DETECT	primary charging cooling fan lock detection signal
HVT_TRANSFER	transfer bias control signal	PRAIMARY_FAN_H/L	primary cooling fan full-speed/half-speed drive signal
INT_DEL_SENSOR	inside delivery paper detection signal	PRE_LED_ON	pre-exposure LED drive signal
INV_FAN_DTC	fixing heater power supply fan lock detection signal	PRE_REGI_MOTOR_A,A*,B,B*	pre-registration motor drive signal A, A*, B, B*
INV_FAN_H/L	fixing heater power supply cooling fan full-speed/half-speed drive signal	PRE_REGI_SENSOR	pre-registration paper detection signal
LDECK_FEED_MOTOR_A,A*,B,B*	left deck pickup motor drive signal A, A*, B, B*	PRIMARY_CLEAN_OUT1	primary charging wire cleaner motor drive signal (forward)
LDECK_FEED_CL_ON	left deck pull-off sensor paper detection signal	PRIMARY_CLEAN_OUT2	primary charging wire cleaner motor drive signal (reverse)
LDECK_LIFTER_SENSOR	left deck lifter detection signal	RD_FEED_MOTOR_A,A*,B,B*	right deck pickup motor drive signal A, A*, B, B*
LDECK_LIMITTER_SENSOR	left deck limit detection signal	RDECK_FEED_SNS	right deck pull-off sensor paper detection signal
LDECK_OPEN_SENSOR	left deck open detection signal	RDECK_LIFTER_SENSOR	right deck lifter detection signal
LDECK_PAPER_SENSOR	left deck paper detection signal	RDECK_LIMITTER_SNS	right deck limit detection signal
LDECK_RETRY_SENSOR	left deck retry sensor paper detection signal	RDECK_PAPER_SENSOR	right deck paper sensor
LDK_FEED_SENSOR	left deck feed paper detection signal	RDECK_RETRY_SENSOR	right deck retry senor paper detection signal
LDK_LIFTER_ON	left deck lifter motor drive signal	RDK_LIFTER_ON	right deck lifter motor drive signal
LDK_PICK_SL_ON	left deck pickup solenoid drive signal	RDK_PLEVEL_A_DTC	right deck paper level detection signal A
LDK_PLEVEL_A_DTC	left deck paper level detection signal A	RDK_PLEVEL_B_DTC	right deck paper level detection signal B
LDK_PLEVEL_B_DTC	left deck paper level detection signal B	RDOOR_UNDER_SENSOR	right door open/closed detection signal
LOCK	fan lock detection signal	REGI_CL_ON	registration clutch drive signal
MAIN_M_ON	main motor drive signal	REGI_CL_ON	registration clutch drive signal
MLT_FEED_CL_ON	manual feed pickup clutch drive signal	REGI_SENSOR	registration paper detection signal
MLT_PAPER_SENSOR	manual feed paper detection signal	REGI_SENSOR	registration paper detection signal

Notation	Signal name	Notation	Signal name
REVERSE_2 SENSOR	reversal 2 paper detection signal	SIZE2	original size detection signal 2
REVERSE_A,A*,B,B*	reversal motor drive signal A, A*, B, B*	T/S_CLEANER-1	transfer separation charging wire cleaner drive signal (forward)
REVERSE_SL_ON	reversing solenoid drive signal	T/S_CLEANER-2	transfer separation charging wire cleaner drive signal (reverse)
SHIFT_CCW	shift tray motor CCW drive signal	VER_DUP_M_A,A*,B,B*	vertical duplexing feed motor drive signal A, A*, B, B*
SHIFT_CW	shift tray motor CW drive signal	VER_L_M_A,A*,B,B*	vertical path lower motor drive signal A, A*, B, B*
SHIFT_P_EXIT	shift tray outlet paper detection signal	VER_U_M_A,A*,B,B*	vertical path upper motor drive signal A, A*, B, B*
SHIFT_P_FULL	shift tray full detection signal	WASTE_TONER_FULL_SW	waste toner full detection signal
SHIFT_TRAY_HPL	shift tray HP left detection signal	WEB_SENSOR	web length detection signal
SHIFT_TRAY_HPR	shift tray HP right detection signal	WEB_SL_ON	web solenoid drive signal
SHUT_HP_SNS	shutter HP detection signal	WRITE_START_SENSOR	write check sensor power detection signal
SHUT_M_A,A*,B,B*	shutter motor drive signal A, A*, B, B*	XE_ON	scanning lamp drive signal
SIZE1	original size detection signal 1		

General Circuit Diagram (Printer 1/20)

iR5570 / iR6570



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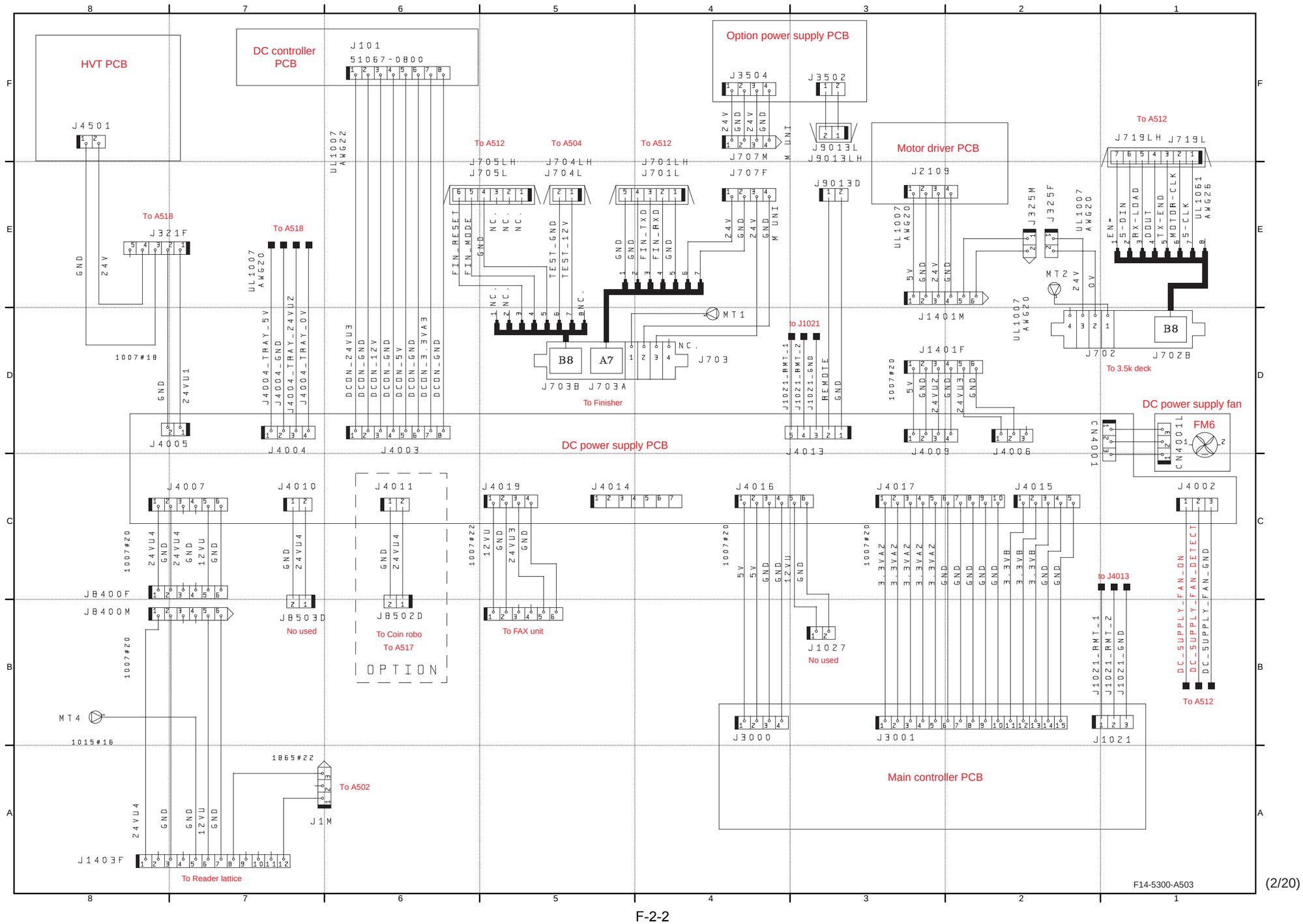
HVT PCB
DC controller PCB
Option power supply PCB
Motor driver PCB
DC power supply PCB
DC power supply fan
FM6
Main controller PCB
To A512
To A504
To A518
To A502
To Finisher
To 3.5k deck
To Coin robo
To A517
To FAX unit
No used
To Reader lattice
to J1021
to J4013
OPTION
F14-5300-A503

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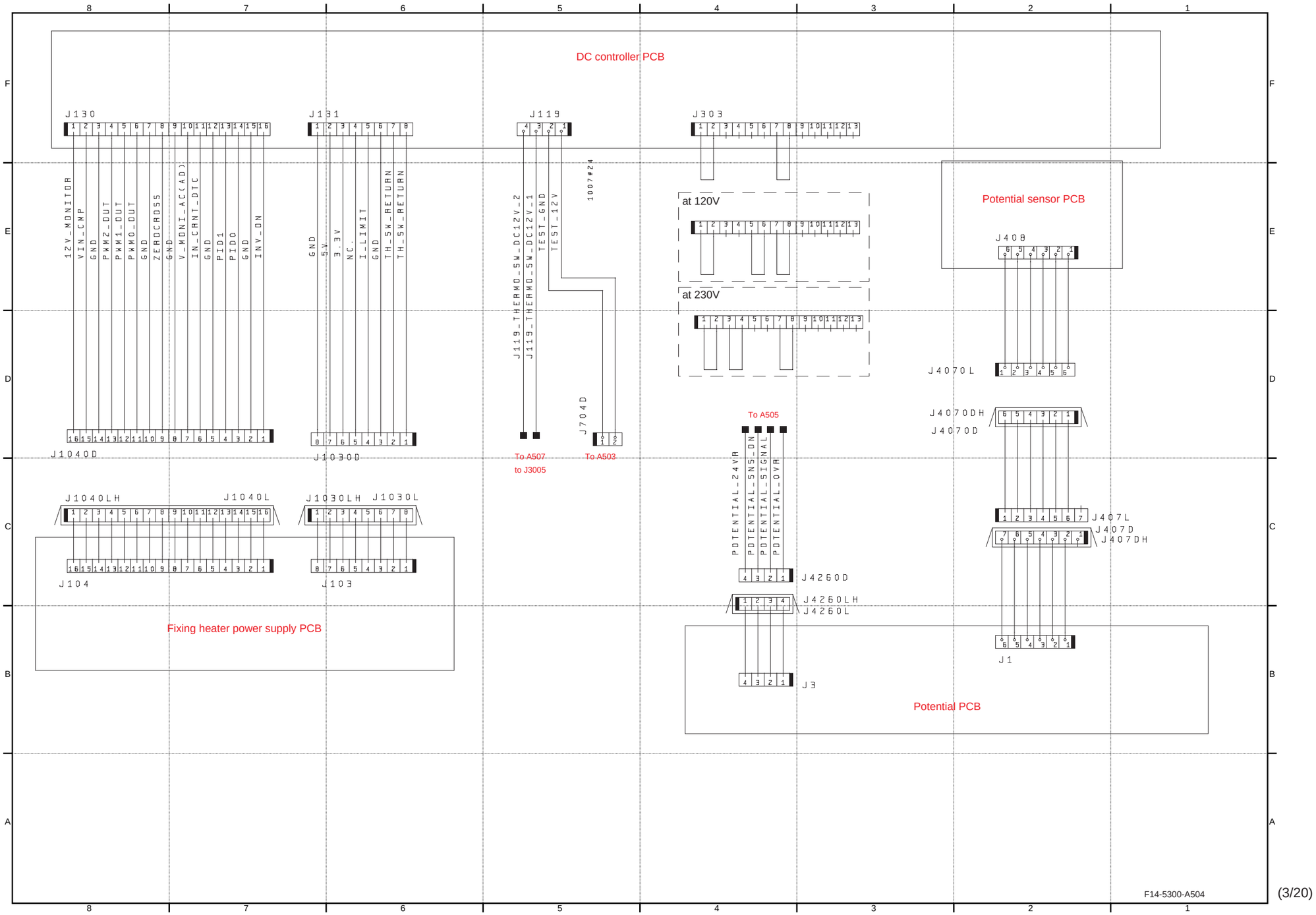
DC controller PCB
J130
J131
J119
J303
12V_MONITOR
VIN_CMP
GND
PWM2_OUT
PWM1_OUT
PWM0_OUT
GND
ZEROCROSS
GND
V_MONI_ACC(AD)
IN_CRNT_DTC
GND
PID1
PID0
GND
INV_ON
GND
5V
3.3V
NC.
I_LIMIT
GND
TH_SW_RETURN
TH_SW_RETURN
J119_THERMO_SW_DC12V_2
J119_THERMO_SW_DC12V_1
TEST_GND
TEST_12V
1007#24
at 120V
at 230V
Potential sensor PCB
J408
J4070L
J4070DH
J4070D
J1040D
J1030D
J704D
To A507
to J3005
To A503
To A505
J1040LH
J1040L
J1030LH
J1030L
J104
J103
Fixing heater power supply PCB
POTENTIAL_24VR
POTENTIAL_SNS_DN
POTENTIAL_SIGNAL
POTENTIAL_OVR
J4260D
J4260LH
J4260L
J3
Potential PCB
J407L
J407D
J407DH
J1
F14-5300-A504

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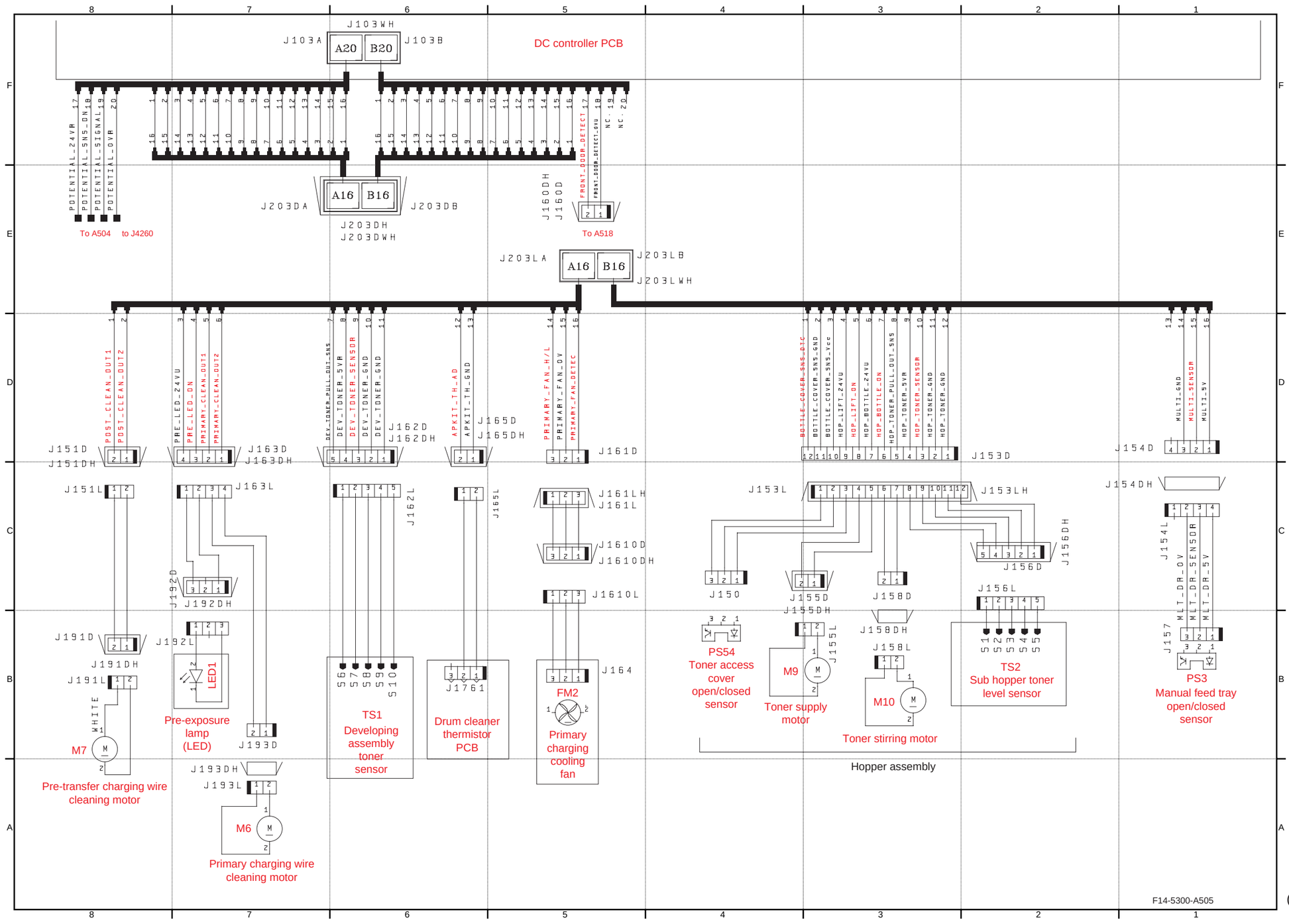
DC controller PCB
J103A
J103WH
A20
B20
J103B
POTENTIAL_24VR
POTENTIAL_SNS_ON
POTENTIAL_SIGNAL
POTENTIAL_0VR
FRONT_DOOR_DETECT
FRONT_DOOR_DETECT_0VU
NC
NC
To A504
to J4260
J203DA
A16
B16
J203DB
J203DH
J203DWH
J160DH
J160D
To A518
J203LA
J203LB
J203LWH
POST_CLEAN_OUT1
POST_CLEAN_OUT2
PRE_LED_24VU
PRE_LED_ON
PRIMARY_CLEAN_OUT1
PRIMARY_CLEAN_OUT2
DEV_TONER_PULL_OUT_SNS
DEV_TONER_5VR
DEV_TONER_SENSOR
DEV_TONER_GND
DEV_TONER_GND
APKIT_TH_AD
APKIT_TH_GND
PRIMARY_FAN_H/L
PRIMARY_FAN_0V
PRIMARY_FAN_DETEC
BOTTLE_COVER_SNS_DTC
BOTTLE_COVER_SNS_GND
BOTTLE_COVER_SNS_Vcc
HOP_LIFT_24VU
HOP_LIFT_ON
HOP_BOTTLE_24VU
HOP_BOTTLE_ON
HOP_TONER_PULL_OUT_SNS
HOP_TONER_5VR
HOP_TONER_SENSOR
HOP_TONER_GND
HOP_TONER_GND
MULTI_GND
MULTI_SENSOR
MULTI_5V
J151D
J151DH
J162D
J162DH
J165D
J165DH
J161D
J153D
J154D
J154DH
J151L
J163L
J162L
J165L
J161LH
J161L
J1610D
J1610DH
J1610L
J164
J153L
J153LH
J156DH
J156D
J154L
MLT_DR_0V
MLT_DR_SENSOR
MLT_DR_5V
J157
J192D
J192DH
J191D
J191DH
J191L
WHITE
M7
Pre-transfer charging wire cleaning motor
J192L
LED1
Pre-exposure lamp (LED)
J193D
J193DH
J193L
M6
Primary charging wire cleaning motor
S6
S7
S8
S9
S10
TS1
Developing assembly toner sensor
J1761
Drum cleaner thermistor PCB
FM2
Primary charging cooling fan
J150
PS54
Toner access cover open/closed sensor
J155D
J155DH
J155L
M9
Toner supply motor
J158D
J158DH
J158L
M10
Toner stirring motor
S1
S2
S3
S4
S5
TS2
Sub hopper toner level sensor
PS3
Manual feed tray open/closed sensor
Hopper assembly
F14-5300-A505
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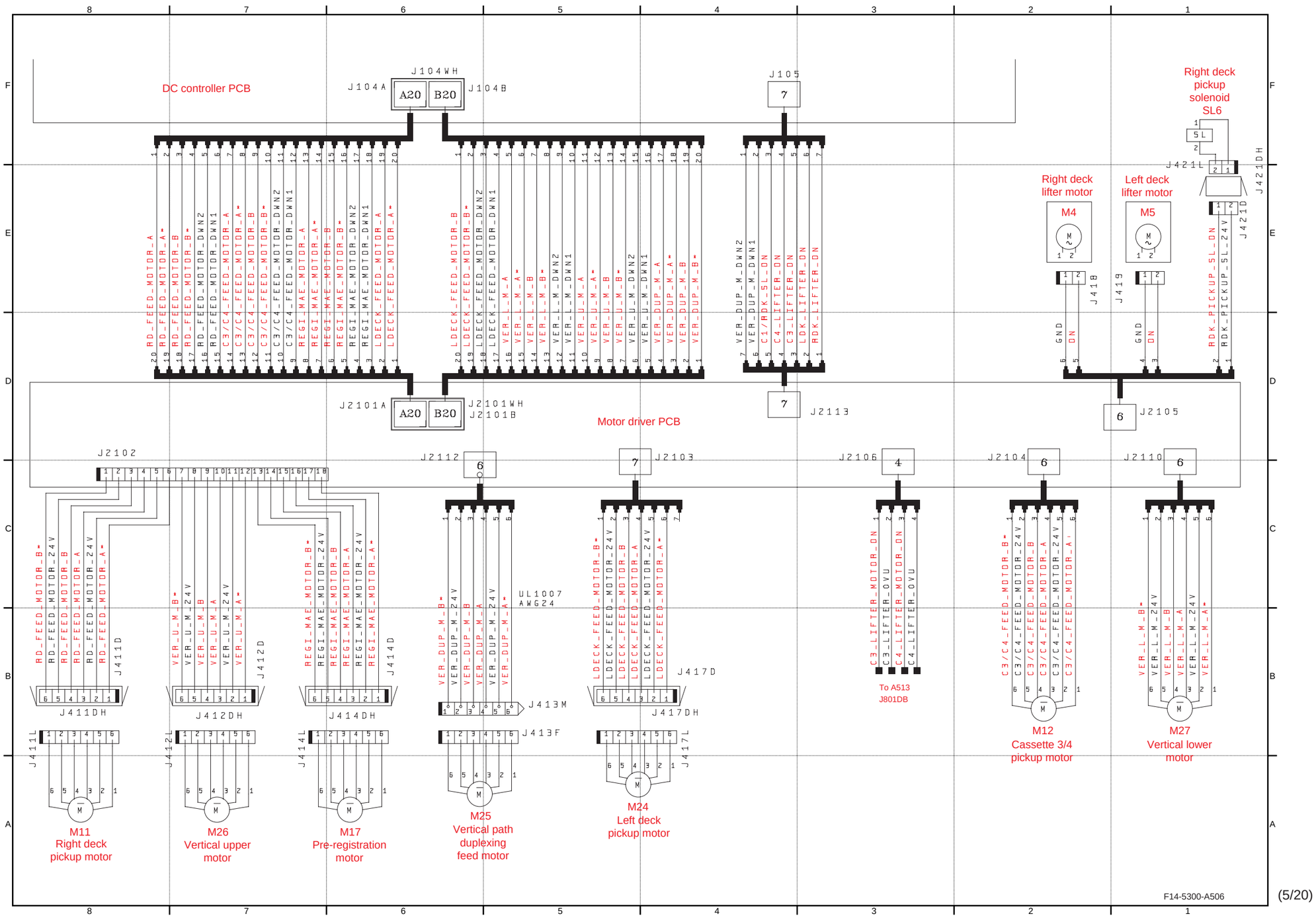
DC controller PCB
J104WH
J104A
A20
B20
J104B
J105
7
Right deck pickup solenoid SL6
SL
J421L
J421DH
Right deck lifter motor
M4
Left deck lifter motor
M5
J418
J419
GND
ON
RDK_PICKUP_SL_ON
RDK_PICKUP_5L_24V
J2105
6
J2101A
J2101WH
J2101B
Motor driver PCB
J2113
J2102
J2112
J2103
J2106
4
J2104
J2110
RD_FEED_MOTOR_A
RD_FEED_MOTOR_A*
RD_FEED_MOTOR_B
RD_FEED_MOTOR_B*
RD_FEED_MOTOR_DWN2
RD_FEED_MOTOR_DWN1
C3/C4_FEED_MOTOR_A
C3/C4_FEED_MOTOR_A*
C3/C4_FEED_MOTOR_B
C3/C4_FEED_MOTOR_B*
C3/C4_FEED_MOTOR_DWN2
C3/C4_FEED_MOTOR_DWN1
REGI_MAE_MOTOR_A
REGI_MAE_MOTOR_A*
REGI_MAE_MOTOR_B
REGI_MAE_MOTOR_B*
REGI_MAE_MOTOR_DWN2
REGI_MAE_MOTOR_DWN1
LDECK_FEED_MOTOR_A
LDECK_FEED_MOTOR_A*
LDECK_FEED_MOTOR_B
LDECK_FEED_MOTOR_B*
LDECK_FEED_MOTOR_DWN2
LDECK_FEED_MOTOR_DWN1
VER_L_M_A
VER_L_M_A*
VER_L_M_B
VER_L_M_B*
VER_L_M_DWN2
VER_L_M_DWN1
VER_U_M_A
VER_U_M_A*
VER_U_M_B
VER_U_M_B*
VER_U_M_DWN2
VER_U_M_DWN1
VER_DUP_M_A
VER_DUP_M_A*
VER_DUP_M_B
VER_DUP_M_B*
VER_DUP_M_DWN2
VER_DUP_M_DWN1
C1/RDK_SL_ON
C4_LIFTER_ON
C3_LIFTER_ON
LDK_LIFTER_ON
RDK_LIFTER_ON
C3_LIFTER_MOTOR_ON
C3_LIFTER_0VU
C4_LIFTER_MOTOR_ON
C4_LIFTER_0VU
To A513
J801DB
J411DH
J412DH
J414DH
J417DH
J413M
J413F
J411L
J412L
J414L
J417L
J411D
J412D
J414D
J417D
REGI_MAE_MOTOR_DWN2
REGI_MAE_MOTOR_DWN1
VER_U_M_24V
VER_L_M_24V
VER_DUP_M_24V
LDECK_FEED_MOTOR_24V
C3/C4_FEED_MOTOR_24V
UL1007 AWG24
M11
Right deck pickup motor
M26
Vertical upper motor
M17
Pre-registration motor
M25
Vertical path duplexing feed motor
M24
Left deck pickup motor
M12
Cassette 3/4 pickup motor
M27
Vertical lower motor
F14-5300-A506

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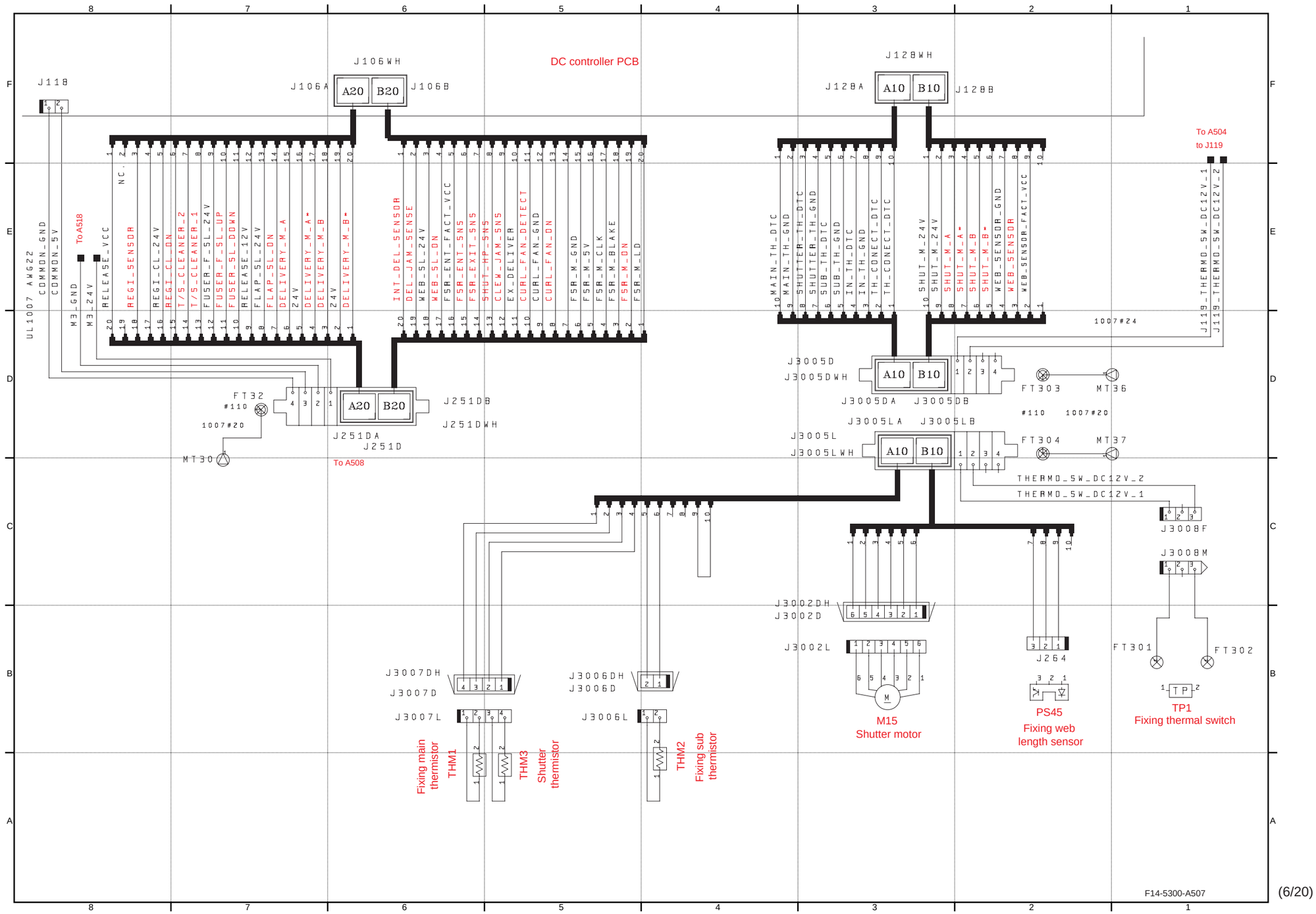
DC controller PCB
J118
J106WH
J106A
J106B
A20
B20
J128WH
J128A
J128B
A10
B10
To A504
to J119
To A518
To A508
J251DB
J251DWH
J251DA
J251D
J3005D
J3005DWH
J3005DA
J3005DB
J3005LA
J3005LB
J3005L
J3005LWH
J3002DH
J3002D
J3002L
J3007DH
J3007D
J3007L
J3006DH
J3006D
J3006L
J3008F
J3008M
J264
FT32
FT303
FT304
FT301
FT302
MT30
MT36
MT37
1007#20
#110
M15
Shutter motor
PS45
Fixing web
length sensor
TP1
Fixing thermal switch
Fixing main
thermistor
THM1
THM3
Shutter
thermistor
THM2
Fixing sub
thermistor
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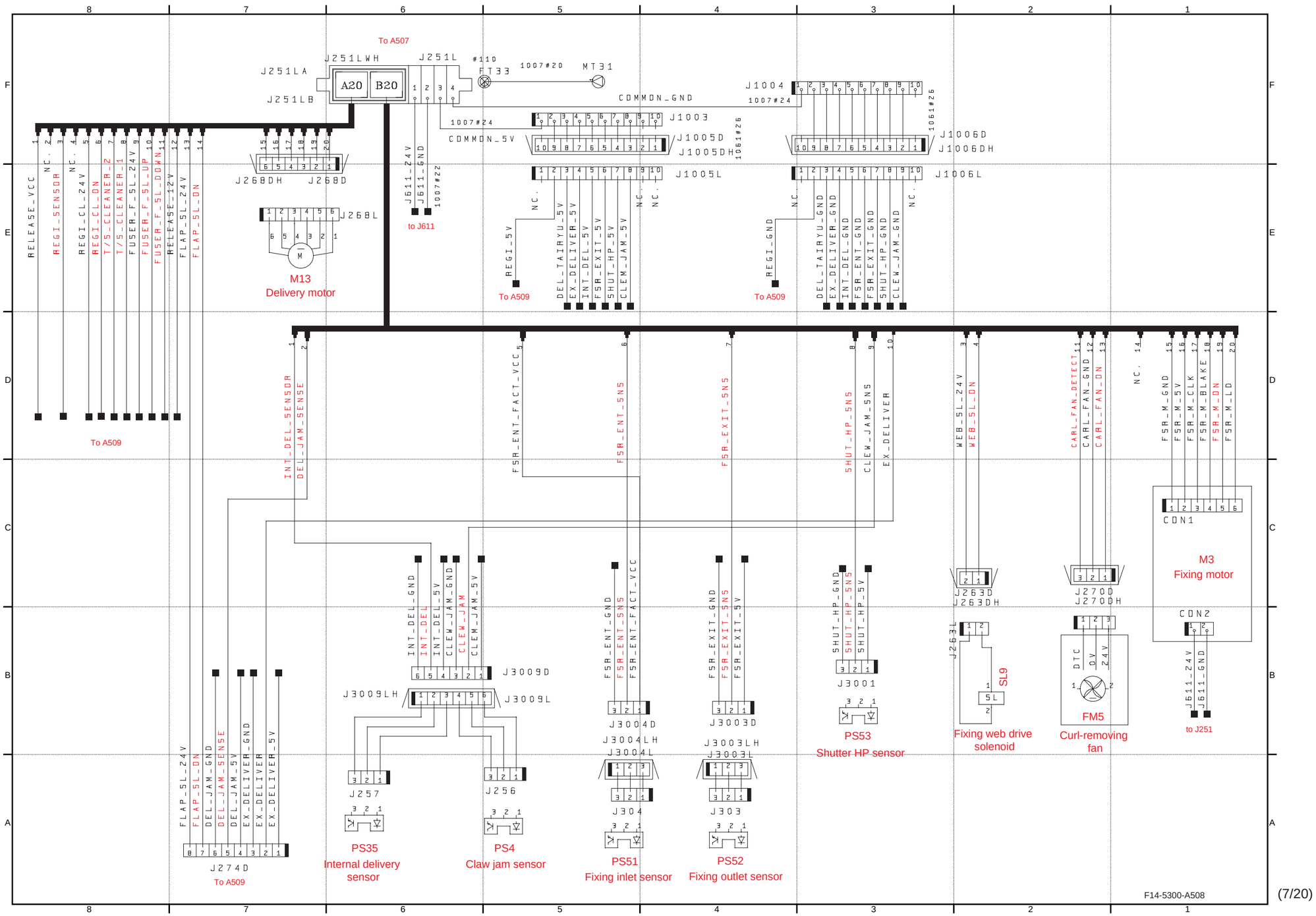
To A507
J251LA
J251LB
J251LWH
J251L
A20
B20
#110
FT33
1007#20
MT31
COMMON_GND
COMMON_5V
1007#24
J1003
J1004
J1005D
J1005DH
J1005L
J1006D
J1006DH
J1006L
10061#26
RELEASE_VCC
REGI_SENSOR
REGI_CL_24V
REGI_CL_ON
T/S_CLEANER_2
T/S_CLEANER_1
FUSER_F_SL_24V
FUSER_F_SL_UP
FUSER_F_SL_DOWN
RELEASE_12V
FLAP_SL_24V
FLAP_SL_DN
J268DH
J268D
J268L
M13
Delivery motor
J611_24V
J611_GND
1007#22
to J611
REGI_5V
DEL_TAIRYU_5V
EX_DELIVER_5V
INT_DEL_5V
FSR_EXIT_5V
SHUT_HP_5V
CLEW_JAM_5V
To A509
REGI_GND
DEL_TAIRYU_GND
EX_DELIVER_GND
INT_DEL_GND
FSR_ENT_GND
FSR_EXIT_GND
SHUT_HP_GND
CLEW_JAM_GND
INT_DEL_SENSOR
DEL_JAM_SENSE
FSR_ENT_FACT_VCC
FSR_ENT_SNS
FSR_EXIT_SNS
SHUT_HP_SNS
CLEW_JAM_SNS
EX_DELIVER
WEB_SL_24V
WEB_SL_DN
CARL_FAN_DETECT
CARL_FAN_GND
CARL_FAN_ON
FSR_M_GND
FSR_M_5V
FSR_M_CLK
FSR_M_BLAKE
FSR_M_ON
FSR_M_LD
CON1
M3
Fixing motor
CON2
J611_24V
J611_GND
to J251
FLAP_SL_24V
FLAP_SL_DN
DEL_JAM_GND
DEL_JAM_SENSE
DEL_JAM_5V
EX_DELIVER_GND
EX_DELIVER
EX_DELIVER_5V
J2740
To A509
INT_DEL_GND
INT_DEL
INT_DEL_5V
CLEW_JAM_GND
CLEW_JAM
CLEW_JAM_5V
J30090
J30091H
J30091
J257
J256
PS35
Internal delivery sensor
PS4
Claw jam sensor
FSR_ENT_GND
FSR_ENT_SNS
FSR_ENT_FACT_VCC
J30040
J30041H
J30041
J304
FSR_EXIT_GND
FSR_EXIT_SNS
FSR_EXIT_5V
J30030
J30031H
J30031
J303
PS51
Fixing inlet sensor
PS52
Fixing outlet sensor
SHUT_HP_GND
SHUT_HP_SNS
SHUT_HP_5V
J3001
PS53
Shutter HP sensor
J2630
J2631H
J2631
SL9
5L
Fixing web drive solenoid
J2700
J2701H
DTC
0V
24V
FM5
Curl-removing fan
F14-5300-A508

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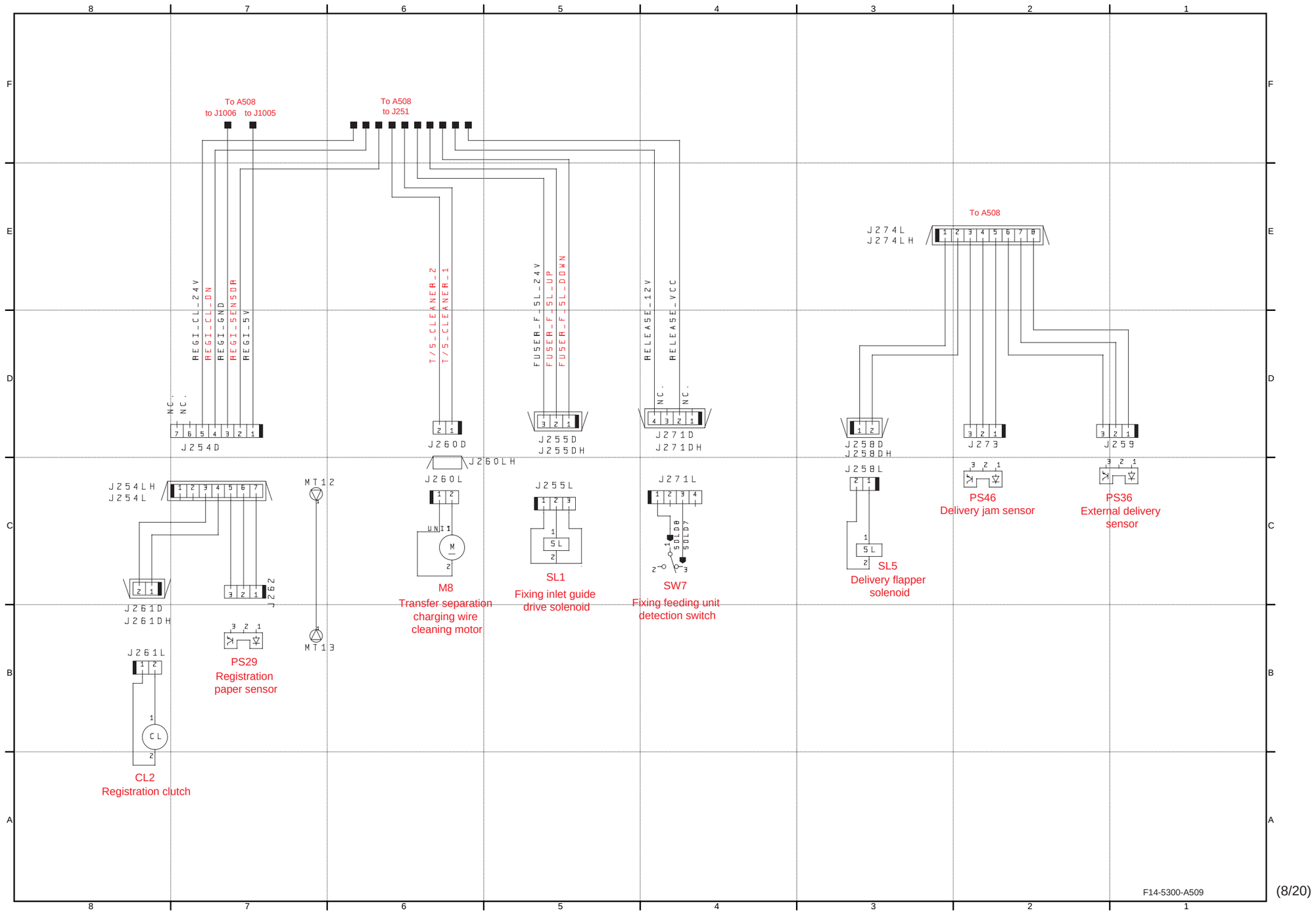
F-2-7


To A508
to J1006
to J1005
To A508
to J251
To A508
J274L
J274LH
REGI_CL_24V
REGI_CL_ON
REGI_GND
REGI_SENSOR
REGI_5V
T/S_CLEANER_2
T/S_CLEANER_1
FUSER_F_SL_24V
FUSER_F_SL_UP
FUSER_F_SL_DOWN
RELEASE_12V
RELEASE_VCC
NC.
J254D
J260D
J260LH
J260L
J255D
J255DH
J271D
J271DH
J258D
J258DH
J258L
J273
J259
J254LH
J254L
MT12
MT13
J261D
J261DH
J262
J261L
CL
CL2
Registration clutch
PS29
Registration paper sensor
M8
Transfer separation charging wire cleaning motor
J255L
SL1
Fixing inlet guide drive solenoid
J271L
SW7
Fixing feeding unit detection switch
SL5
Delivery flapper solenoid
PS46
Delivery jam sensor
PS36
External delivery sensor
F14-5300-A509

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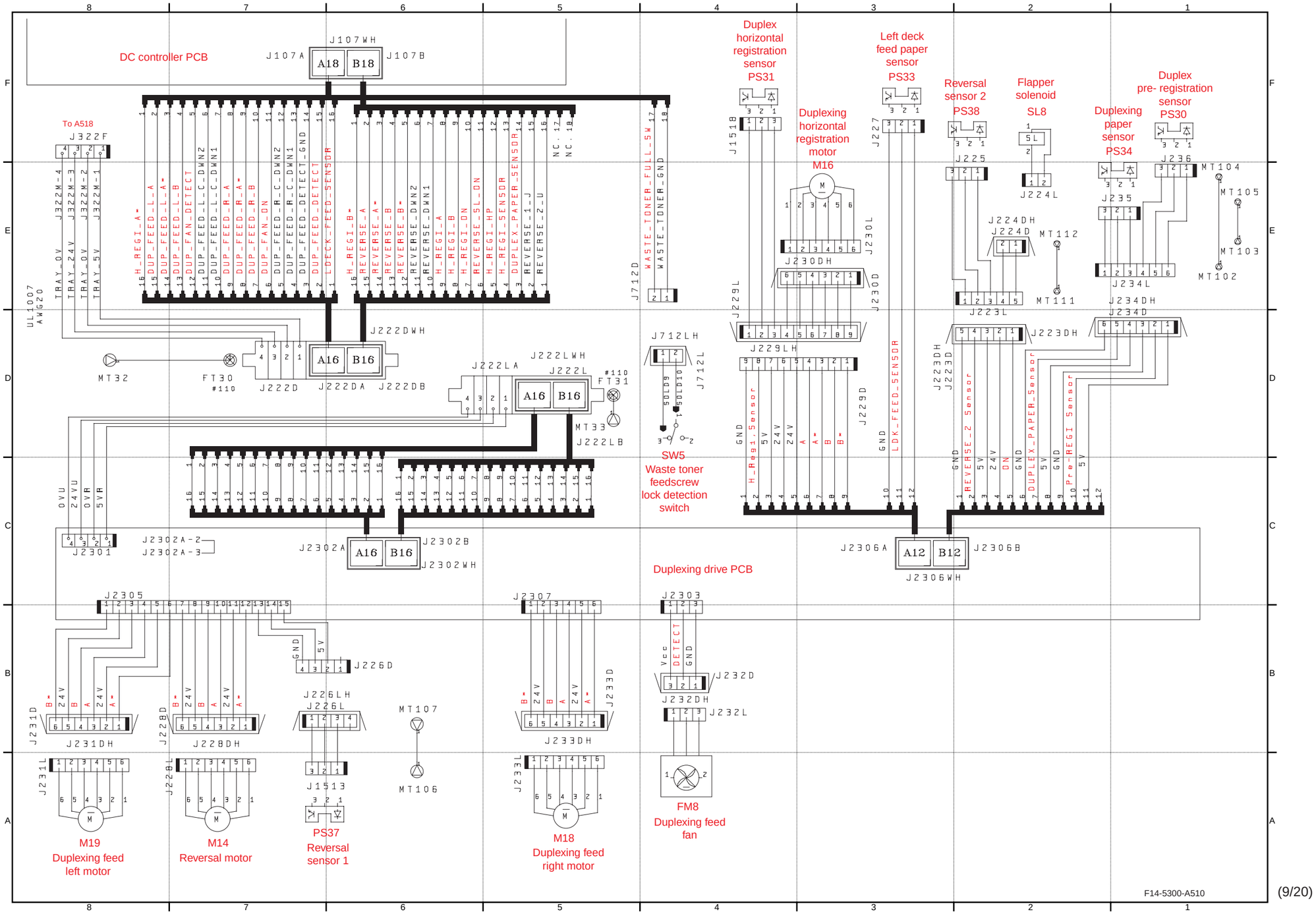
F-2-8


DC controller PCB
J107A
J107WH
A18
B18
J107B
To A518
J322F
J322M-4
J322M-3
J322M-2
J322M-1
TRAY_0V
TRAY_24V
TRAY_0V
TRAY_5V
UL1007
AWG20
H_REGI_A*
DUP_FEED_L_A
DUP_FEED_L_A*
DUP_FEED_L_B
DUP_FAN_DETECT
DUP_FEED_L_C_DWN2
DUP_FEED_L_C_DWN1
DUP_FEED_R_A
DUP_FEED_R_A*
DUP_FEED_R_B
DUP_FAN_DN
DUP_FEED_R_C_DWN2
DUP_FEED_R_C_DWN1
DUP_FEED_DETECT_GND
DUP_FEED_DETECT
LDCK_FEED_SENSOR
NC.17
NC.18
H_REGI_B*
REVERSE_A
REVERSE_A*
REVERSE_B
REVERSE_B*
REVERSE_DWN2
REVERSE_DWN1
H_REGI_A
H_REGI_B
H_REGI_ON
REVERSE_SL_ON
H_REGI_HP
H_REGI_SENSOR
DUPLEX_PAPER_SENSOR
REVERSE_1_J
REVERSE_2_U
J712D
WASTE_TONER_FULL_SW
WASTE_TONER_GND
J222DWH
J222LWH
J222LA
J222L
J222D
J222DA
J222DB
A16
B16
MT32
FT30
#110
FT31
MT33
J222LB
J712LH
J712L
SOLD9
SOLD10
SW5
Waste toner feedscrew lock detection switch
Duplex horizontal registration sensor PS31
J1518
Duplexing horizontal registration motor M16
J230DH
J230L
J229L
J229LH
J229D
H_Regi_Sensor
Left deck feed paper sensor PS33
J227
LDK_FEED_SENSOR
Reversal sensor 2 PS38
J225
J223L
J223DH
J223D
REVERSE_2 Sensor
Flapper solenoid SL8
J224L
J224DH
J224D
MT112
MT111
Duplexing paper sensor PS34
J235
J234L
J234DH
J234D
DUPLEX_PAPER_Sensor
Duplex pre- registration sensor PS30
J236
MT104
MT105
MT103
MT102
Pre-REGI Sensor
J2301
J2302A-2
J2302A-3
J2302A
J2302B
J2302WH
Duplexing drive PCB
J2306A
J2306B
J2306WH
J2305
J226D
J2307
J2303
J232D
J232DH
J232L
FM8
Duplexing feed fan
J231D
J231DH
J231L
M19
Duplexing feed left motor
J228D
J228DH
J228L
M14
Reversal motor
J226LH
J226L
J1513
PS37
Reversal sensor 1
MT107
MT106
J233D
J233DH
J233L
M18
Duplexing feed right motor
F14-5300-A510

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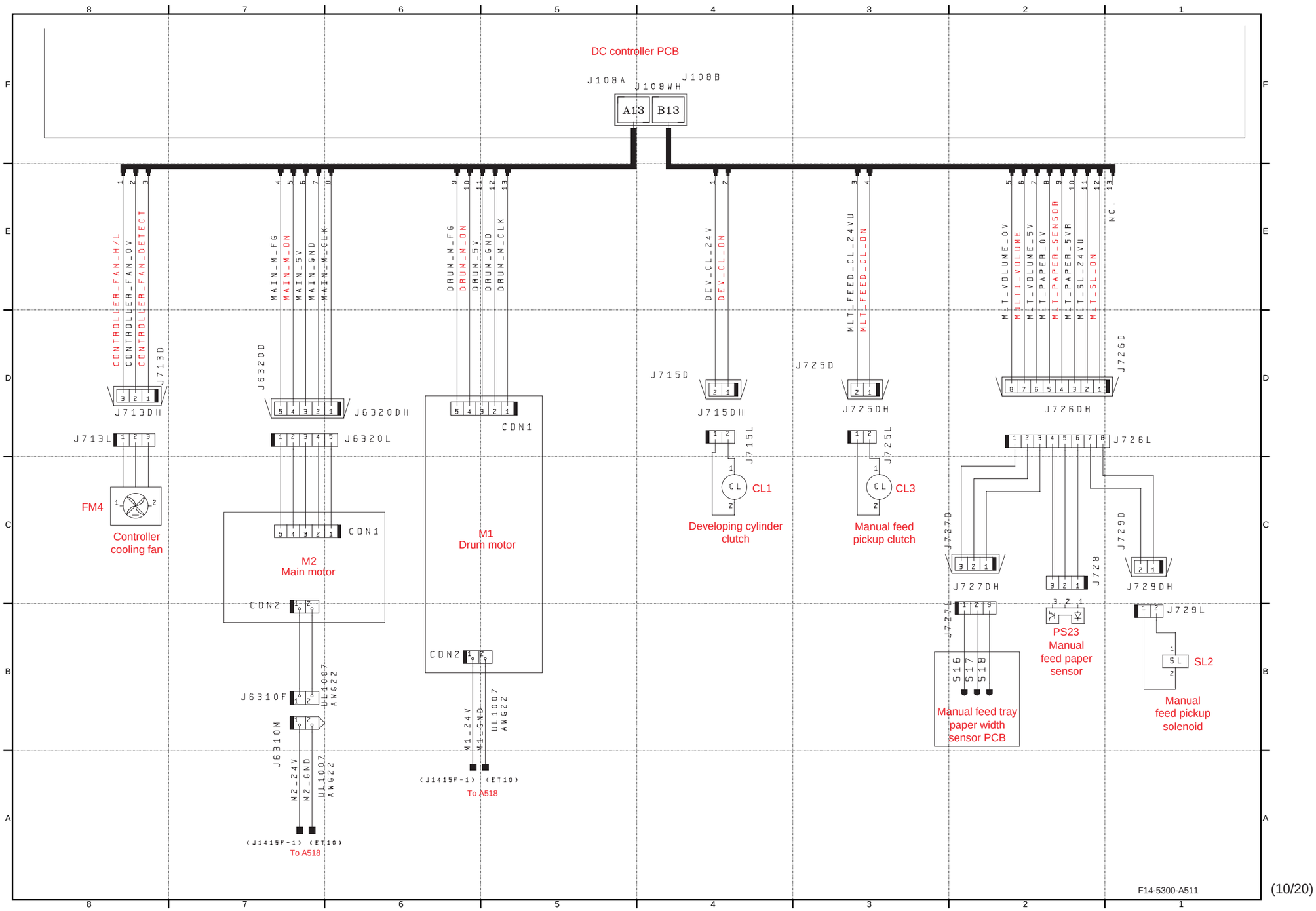
DC controller PCB
J108A
J108WH
J108B
A13
B13
CONTROLLER_FAN_H/L
CONTROLLER_FAN_0V
CONTROLLER_FAN_DETECT
J713D
J713DH
J713L
FM4
Controller cooling fan
MAIN_M_FG
MAIN_M_ON
MAIN_5V
MAIN_GND
MAIN_M_CLK
J6320D
J6320DH
J6320L
CON1
M2
Main motor
CON2
J6310F
J6310M
M2_24V
M2_GND
UL1007 AWG22
(J1415F-1) (ET10)
To A518
DRUM_M_FG
DRUM_M_ON
DRUM_5V
DRUM_GND
DRUM_M_CLK
M1
Drum motor
M1_24V
M1_GND
DEV_CL_24V
DEV_CL_ON
J715D
J715DH
J715L
CL1
Developing cylinder clutch
MLT_FEED_CL_24VU
MLT_FEED_CL_ON
J725D
J725DH
J725L
CL3
Manual feed pickup clutch
MLT_VOLUME_0V
MULTI-VOLUME
MLT-VOLUME_5V
MLT_PAPER_0V
MLT_PAPER_SENSOR
MLT_PAPER_5VR
MLT_SL_24VU
MLT_SL_ON
NC.
J726D
J726DH
J726L
J727D
J727DH
J727L
S16
S17
S18
Manual feed tray paper width sensor PCB
J728
PS23
Manual feed paper sensor
J729D
J729DH
J729L
SL2
Manual feed pickup solenoid
F14-5300-A511
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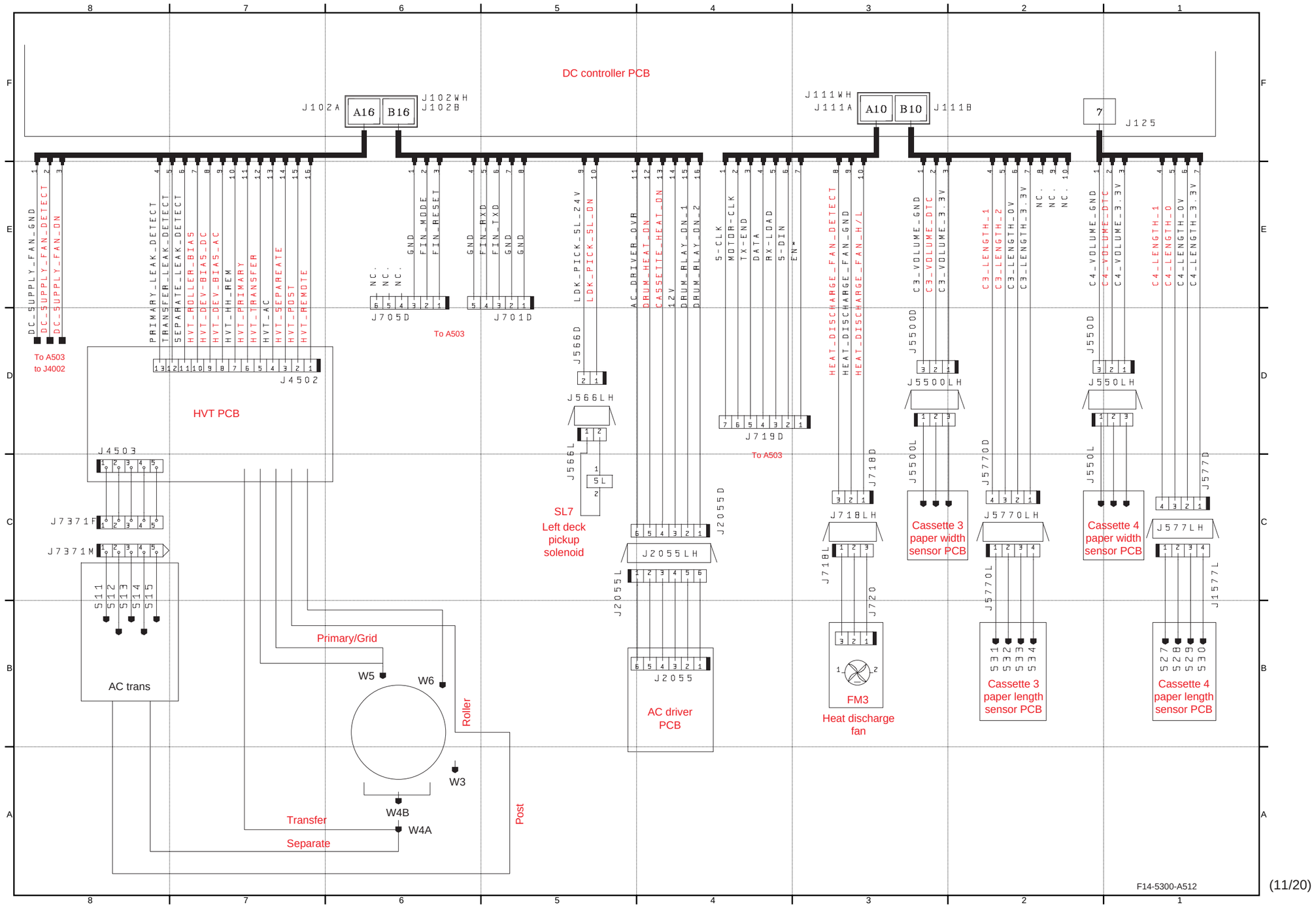
F-2-10


DC controller PCB
J102A
A16
B16
J102WH
J102B
J111WH
J111A
A10
B10
J111B
7
J125
DC_SUPPLY_FAN_GND
DC_SUPPLY_FAN_DETECT
DC_SUPPLY_FAN_DN
To A503
to J4002
PRIMARY_LEAK_DETECT
TRANSFER_LEAK_DETECT
SEPARATE_LEAK_DETECT
HVT_ROLLER_BIAS
HVT_DEV-BIAS_DC
HVT_DEV-BIAS_AC
HVT_THERM
HVT_PRIMARY
HVT_TRANSFER
HVT_AC
HVT_SEPAREATE
HVT_POST
HVT_REMOTE
J4502
HVT PCB
J4503
J7371F
J7371M
S11
S12
S13
S14
S15
AC trans
NC.
NC.
NC.
GND
FIN_MODE
FIN_RESET
J705D
To A503
GND
FIN_RXD
FIN_TXD
GND
GND
J701D
LDK_PICK_SL_24V
LDK_PICK_SL_DN
J566D
J566LH
J566L
1
SL
2
SL7
Left deck
pickup
solenoid
AC_DRIVER_OVR
DRUM_HEAT_DN
CASSETTE_HEAT_DN
12V
DRUM_RLAY_DN_1
DRUM_RLAY_DN_2
J2055D
J2055LH
J2055L
J2055
AC driver
PCB
S-CLK
MOTOR-CLK
TX-END
DATA
RX-LOAD
S-DIN
EN*
J719D
To A503
HEAT_DISCHARGE_FAN_DETECT
HEAT_DISCHARGE_FAN_GND
HEAT_DISCHARGE_FAN_H/L
J718D
J718LH
J718L
J720
FM3
Heat discharge
fan
C3_VOLUME_GND
C3_VOLUME_DTC
C3_VOLUME_3.3V
J5500D
J5500LH
J5500L
Cassette 3
paper width
sensor PCB
C3_LENGTH_1
C3_LENGTH_2
C3_LENGTH_0V
C3_LENGTH_3.3V
NC.
NC.
NC.
J5770D
J5770LH
J5770L
S31
S32
S33
S34
Cassette 3
paper length
sensor PCB
C4_VOLUME_GND
C4_VOLUME_DTC
C4_VOLUME_3.3V
J550D
J550LH
J550L
Cassette 4
paper width
sensor PCB
C4_LENGTH_1
C4_LENGTH_0
C4_LENGTH_0V
C4_LENGTH_3.3V
J577D
J577LH
J1577L
S27
S28
S29
S30
Cassette 4
paper length
sensor PCB
Primary/Grid
W5
W6
Roller
W3
W4B
W4A
Transfer
Separate
Post
F14-5300-A512

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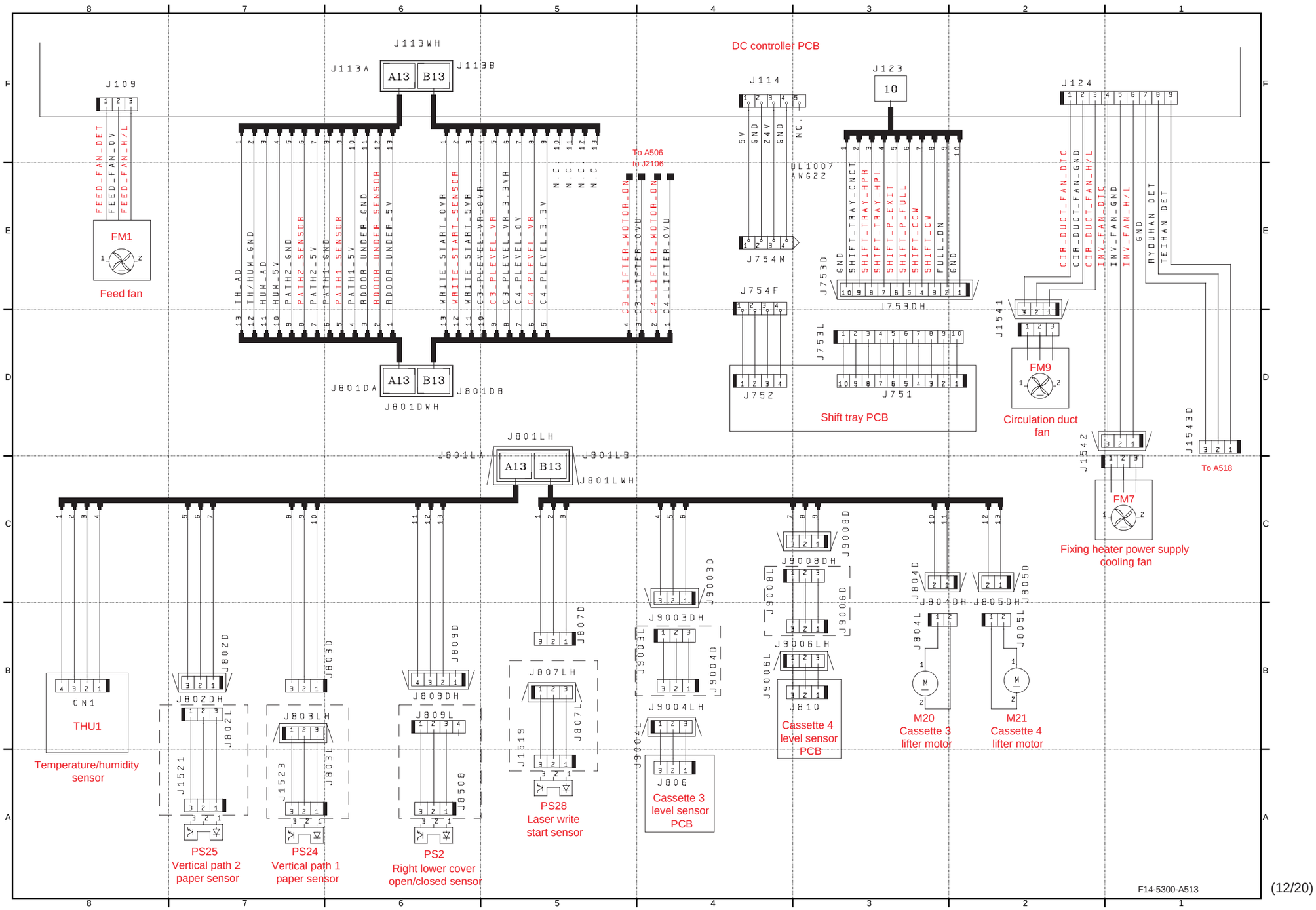
DC controller PCB
J109
FEED_FAN_DET
FEED_FAN_0V
FEED_FAN_H/L
FM1
Feed fan
J113WH
J113A
A13
B13
J113B
J801DA
J801DB
J801DWH
To A506
to J2106
J114
5V
GND
24V
GND
N.C.
J754M
UL1007 AWG22
J123
10
J753D
SHIFT_TRAY_CNCT
SHIFT_TRAY_HPR
SHIFT_TRAY_HPL
SHIFT_P_EXIT
SHIFT_P_FULL
SHIFT_CCW
SHIFT_CW
FULL_DN
GND
J753DH
J754F
J753L
J752
J751
Shift tray PCB
J124
CIR_DUCT_FAN_DTC
CIR_DUCT_FAN_GND
CIR_DUCT_FAN_H/L
INV_FAN_DTC
INV_FAN_GND
INV_FAN_H/L
GND
RYOUHAN DET
TEIHAN DET
J1541
FM9
Circulation duct fan
J1542
FM7
Fixing heater power supply cooling fan
J1543D
To A518
J801LH
J801LA
J801LB
J801LWH
TH_AD
TH/HUM_GND
HUM_AD
HUM_5V
PATH2_GND
PATH2_SENSOR
PATH2_5V
PATH1_GND
PATH1_SENSOR
PATH1_5V
RDOOR_UNDER_GND
RDOOR_UNDER_SENSOR
RDOOR_UNDER_5V
WRITE_START_0VR
WRITE_START_SENSOR
WRITE_START_5VR
C3_PLEVEL_0VR
C3_PLEVEL_VR
C3_PLEVEL_VR_3.3VR
C4_PLEVEL_0V
C4_PLEVEL_VR
C4_PLEVEL_3.3V
N.C.
C3_LIFTER_MOTOR_DN
C3_LIFTER_MOTOR_0VU
C4_LIFTER_MOTOR_DN
C4_LIFTER_0VU
CN1
THU1
Temperature/humidity sensor
J802D
J802DH
J802L
J1521
PS25
Vertical path 2 paper sensor
J803D
J803LH
J803L
J1523
PS24
Vertical path 1 paper sensor
J809D
J809DH
J809L
J8508
PS2
Right lower cover open/closed sensor
J807D
J807LH
J807L
J1519
PS28
Laser write start sensor
J9003D
J9003DH
J9003L
J9004D
J9004LH
J9004L
J806
Cassette 3 level sensor PCB
J9008D
J9008DH
J9008L
J9006D
J9006LH
J9006L
J810
Cassette 4 level sensor PCB
J804D
J804DH
J804L
M20
Cassette 3 lifter motor
J805D
J805DH
J805L
M21
Cassette 4 lifter motor
F14-5300-A513

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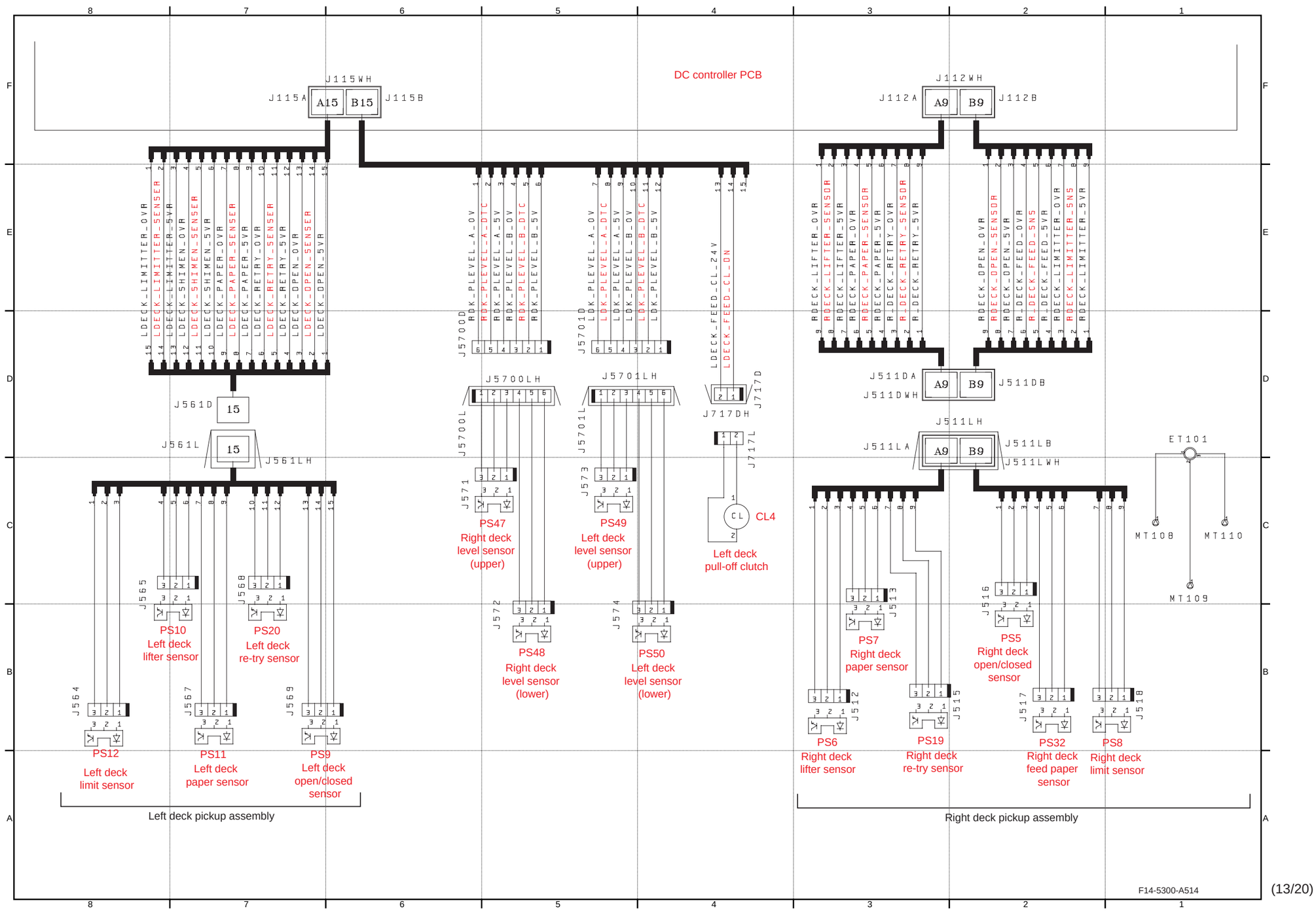
DC controller PCB
J115WH
J115A
A15
B15
J115B
J112WH
J112A
A9
B9
J112B
J511DA
J511DWH
J511DB
J511LH
J511LA
J511LB
J511LWH
J561D
J561L
J561LH
J5700LH
J5701LH
J717DH
J717D
J717L
ET101
MT108
MT110
MT109
PS47
Right deck level sensor (upper)
PS49
Left deck level sensor (upper)
CL4
Left deck pull-off clutch
PS10
Left deck lifter sensor
PS20
Left deck re-try sensor
PS48
Right deck level sensor (lower)
PS50
Left deck level sensor (lower)
PS7
Right deck paper sensor
PS5
Right deck open/closed sensor
PS12
Left deck limit sensor
PS11
Left deck paper sensor
PS9
Left deck open/closed sensor
PS6
Right deck lifter sensor
PS19
Right deck re-try sensor
PS32
Right deck feed paper sensor
PS8
Right deck limit sensor
Left deck pickup assembly
Right deck pickup assembly
F14-5300-A514

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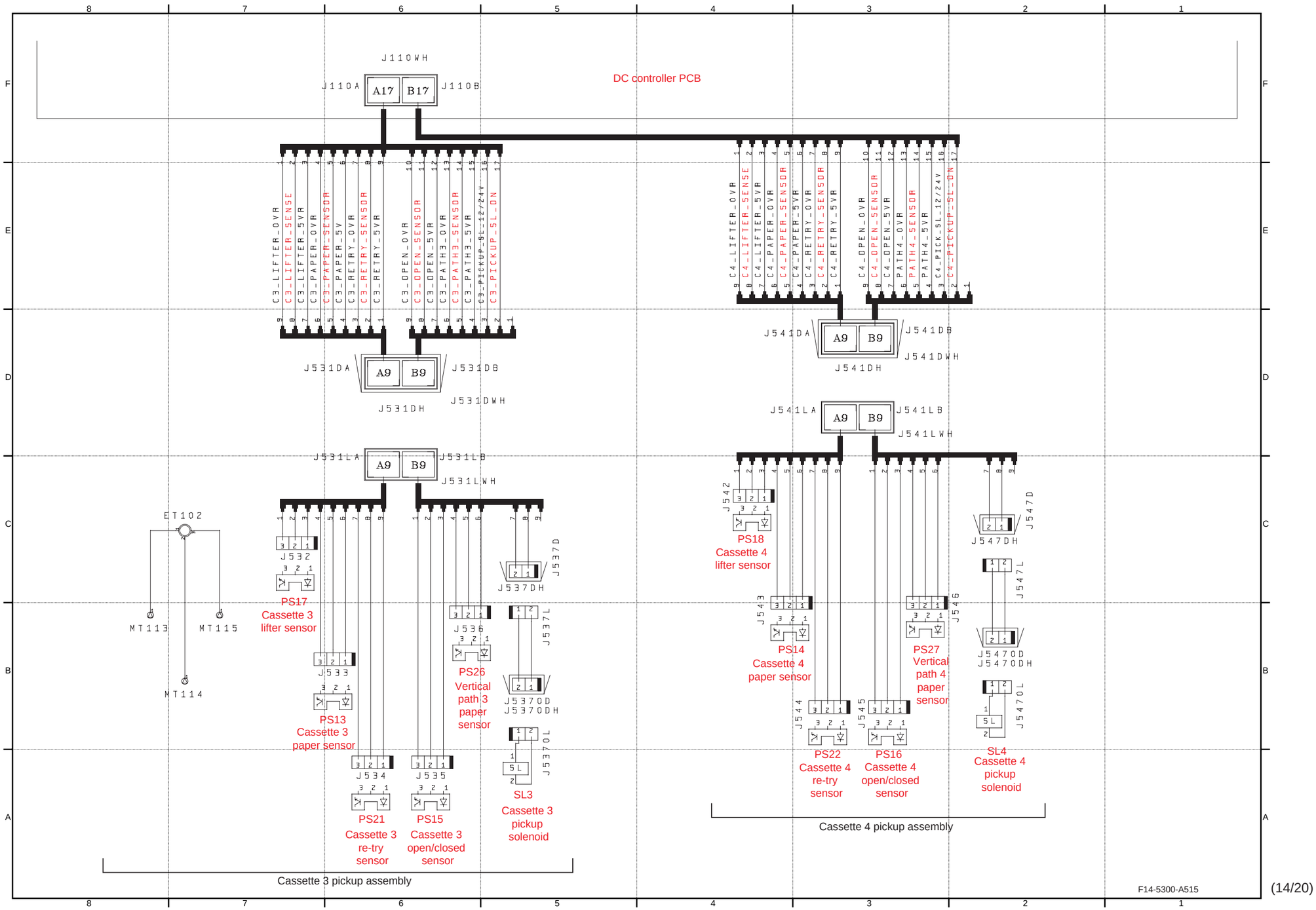
F-2-13


DC controller PCB
J110WH
J110A
A17
B17
J110B
C3_LIFTER_OVR
C3_LIFTER_SENSE
C3_LIFTER_5VR
C3_PAPER_OVR
C3_PAPER_SENSOR
C3_PAPER_5V
C3_RETRY_OVR
C3_RETRY_SENSOR
C3_RETRY_5VR
C3_OPEN_OVR
C3_OPEN_SENSOR
C3_OPEN_5VR
C3_PATH3_OVR
C3_PATH3_SENSOR
C3_PATH3_5VR
C3_PICKUP_SL_12/24V
C3_PICKUP_SL_ON
J531DA
A9
B9
J531DB
J531DWH
J531DH
J531LA
J531LB
J531LWH
ET102
MT113
MT115
MT114
J532
PS17
Cassette 3
lifter sensor
J533
PS13
Cassette 3
paper sensor
J536
PS26
Vertical
path 3
paper
sensor
J537D
J537DH
J537L
J537OD
J537ODH
J537OL
SL3
Cassette 3
pickup
solenoid
J534
PS21
Cassette 3
re-try
sensor
J535
PS15
Cassette 3
open/closed
sensor
Cassette 3 pickup assembly
C4_LIFTER_OVR
C4_LIFTER_SENSE
C4_LIFTER_5VR
C4_PAPER_OVR
C4_PAPER_SENSOR
C4_PAPER_5VR
C4_RETRY_OVR
C4_RETRY_SENSOR
C4_RETRY_5VR
C4_OPEN_OVR
C4_OPEN_SENSOR
C4_OPEN_5VR
C4_PATH4_OVR
C4_PATH4_SENSOR
C4_PATH4_5VR
C4_PICK_SL_12/24V
C4_PICKUP_SL_ON
J541DA
A9
B9
J541DB
J541DWH
J541DH
J541LA
J541LB
J541LWH
J542
PS18
Cassette 4
lifter sensor
J543
PS14
Cassette 4
paper sensor
J544
PS22
Cassette 4
re-try
sensor
J545
PS16
Cassette 4
open/closed
sensor
J546
PS27
Vertical
path 4
paper
sensor
J547D
J547DH
J547L
J547OD
J547ODH
J547OL
SL4
Cassette 4
pickup
solenoid
Cassette 4 pickup assembly
F14-5300-A515
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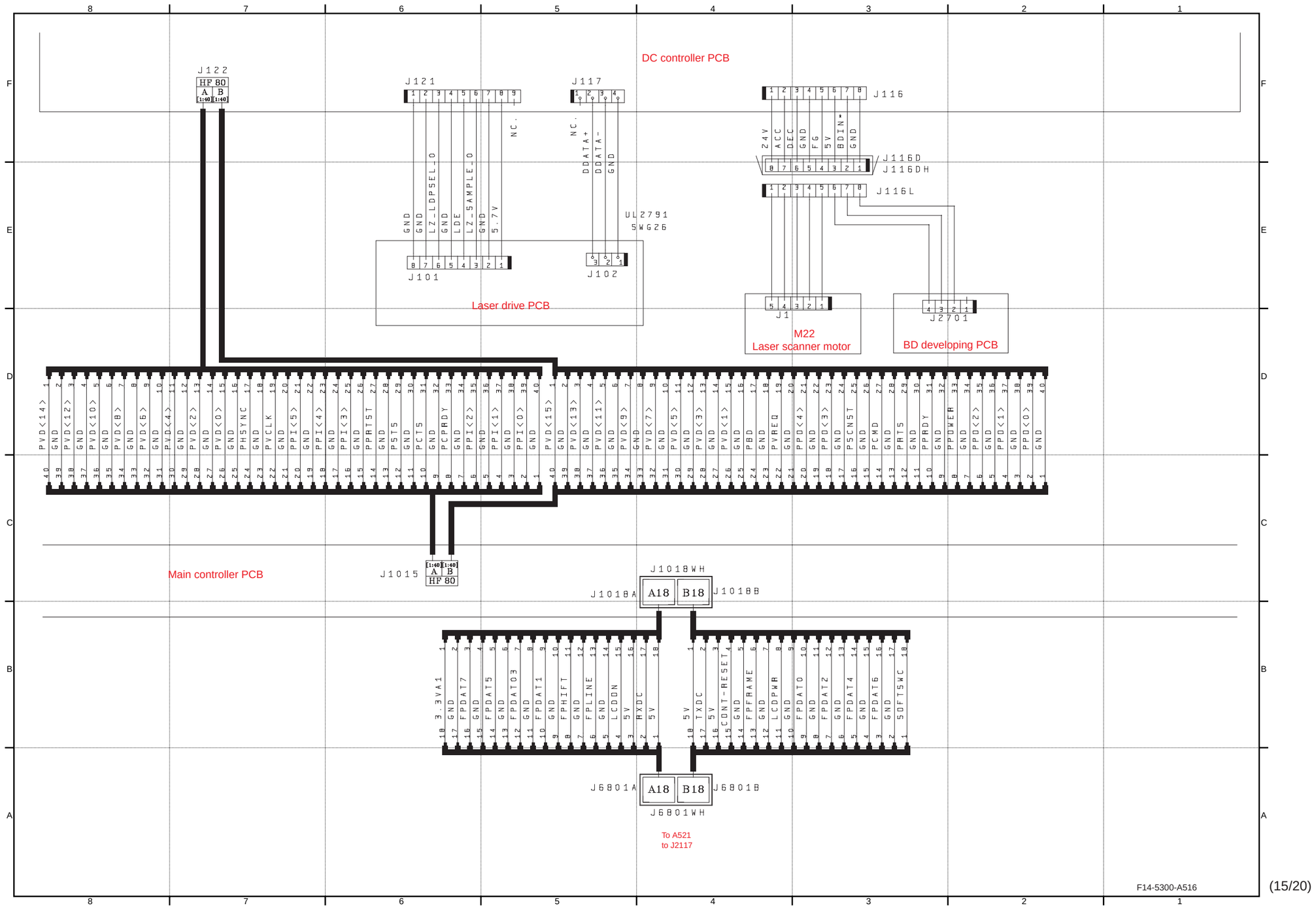
F-2-14


DC controller PCB
J122
HF 80
J121
J117
J116
J116D
J116DH
J116L
UL2791
5WG26
J101
J102
Laser drive PCB
J1
M22
Laser scanner motor
J2701
BD developing PCB
Main controller PCB
J1015
HF 80
J1018WH
J1018A
A18
B18
J1018B
J6801A
J6801B
J6801WH
To A521
to J2117
F14-5300-A516

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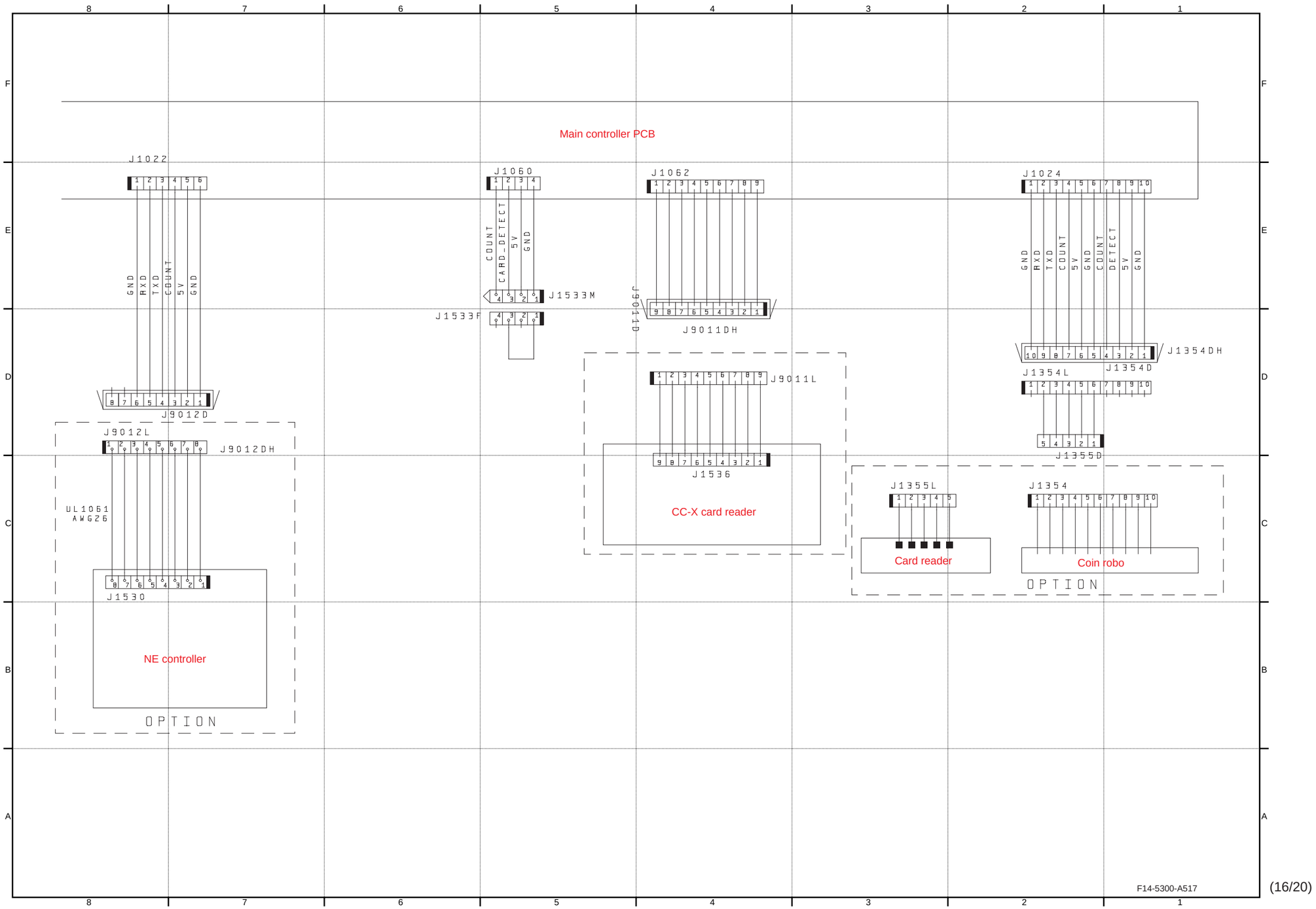
Main controller PCB
J1022
GND
RXD
TXD
COUNT
5V
GND
J9012D
J9012L
J9012DH
UL1051
AWG26
J1530
NE controller
OPTION
J1060
COUNT
CARD_DETECT
5V
GND
J1533M
J1533F
J1062
J9011D
J9011DH
J9011L
J1536
CC-X card reader
J1024
GND
RXD
TXD
COUNT
5V
GND
COUNT
DETECT
5V
GND
J1354DH
J1354D
J1354L
J1355D
J1355L
Card reader
J1354
Coin robo
OPTION
F14-5300-A517

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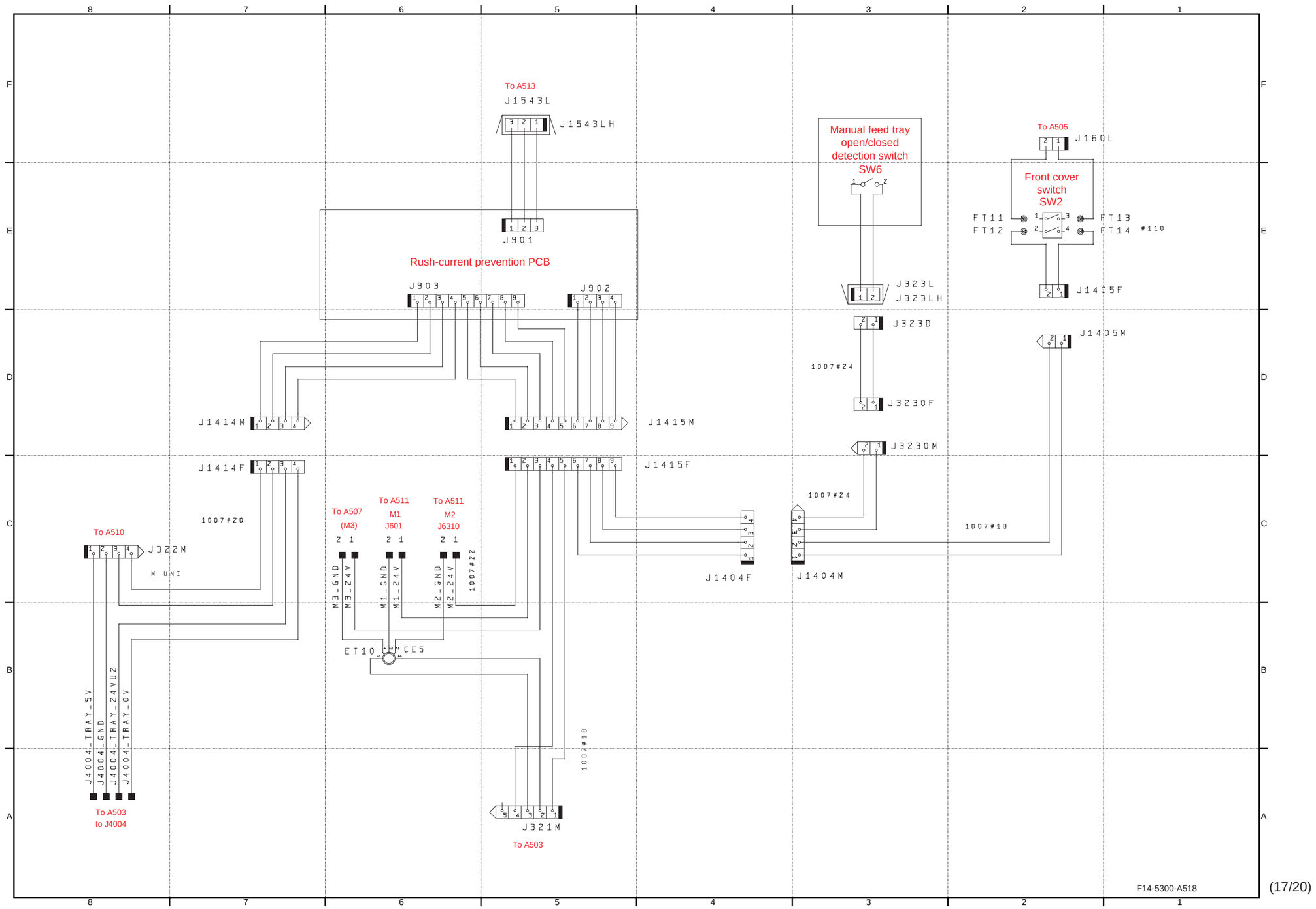
To A513
J1543L
J1543LH
J901
Rush-current prevention PCB
J903
J902
J1414M
J1415M
J1414F
1007#20
J1415F
To A507
(M3)
To A511
M1
J601
To A511
M2
J6310
M3_GND
M3_24V
M1_GND
M1_24V
M2_GND
M2_24V
1007#22
ET10
CE5
To A510
J322M
M UNI
J4004_TRAY_5V
J4004_GND
J4004_TRAY_24VU2
J4004_TRAY_0V
To A503
to J4004
1007#18
J321M
To A503
J1404F
Manual feed tray
open/closed
detection switch
SW6
J323L
J323LH
J323D
1007#24
J3230F
J3230M
J1404M
To A505
J160L
Front cover
switch
SW2
FT11
FT12
FT13
FT14
#110
J1405F
J1405M
1007#18
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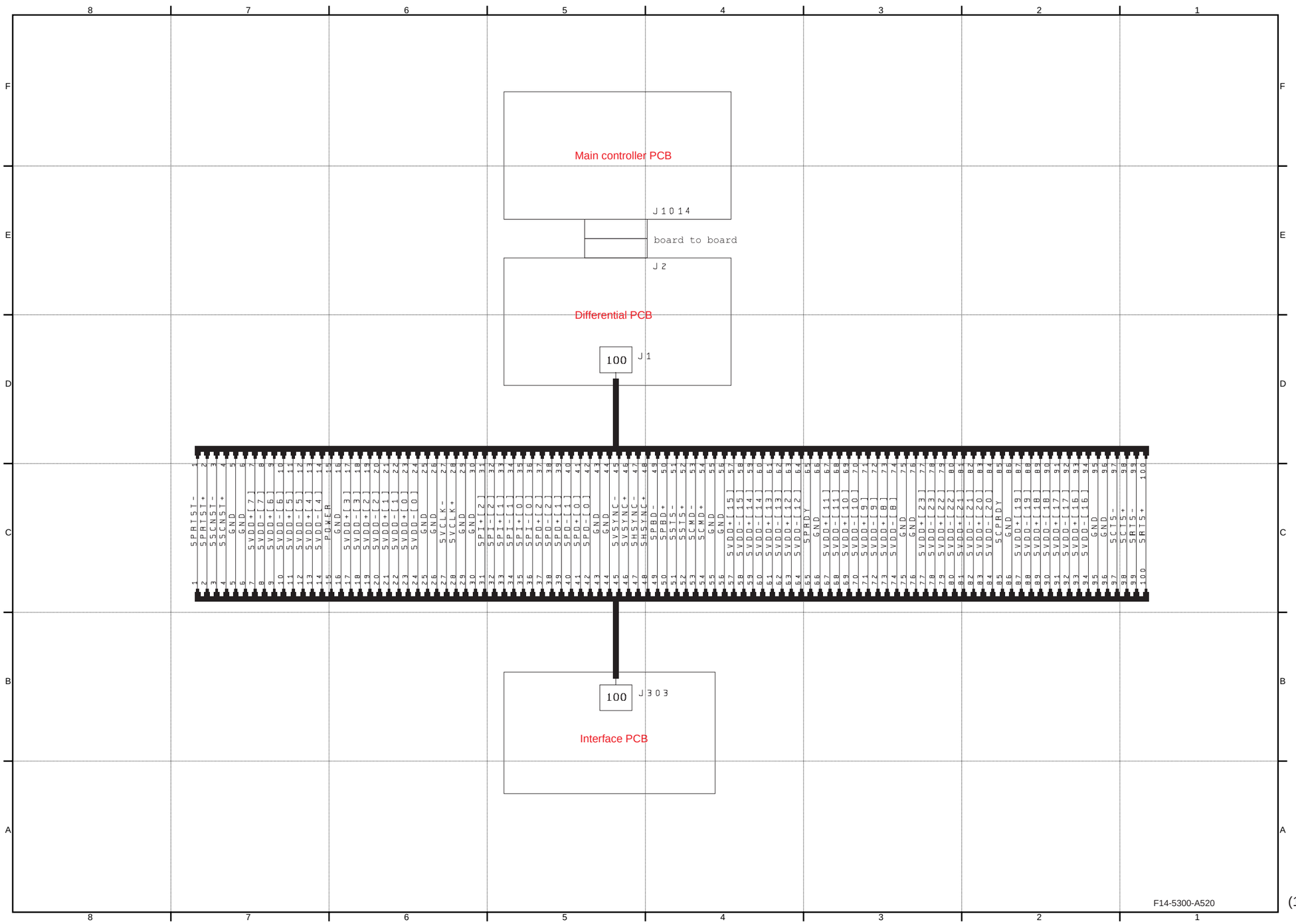
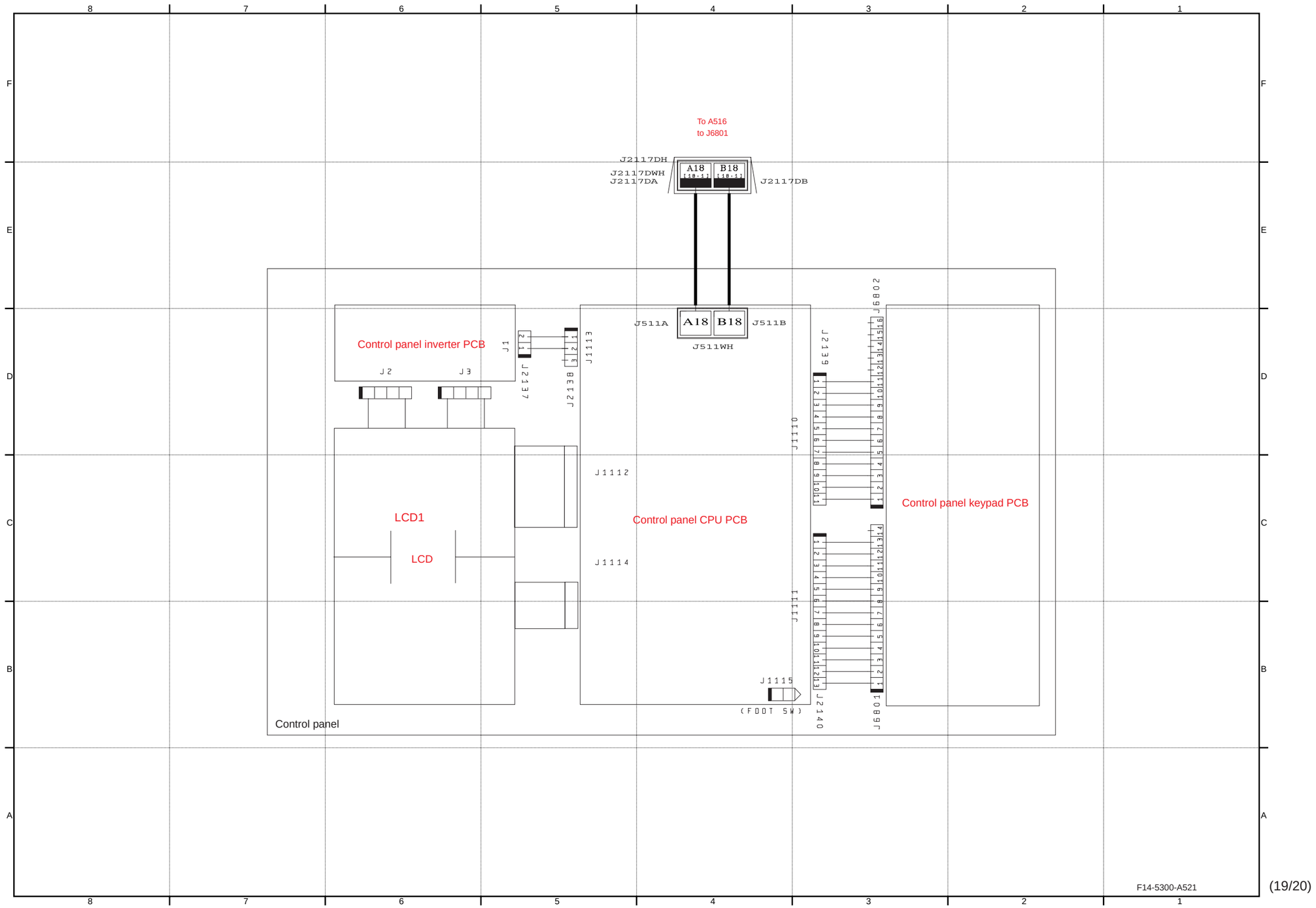
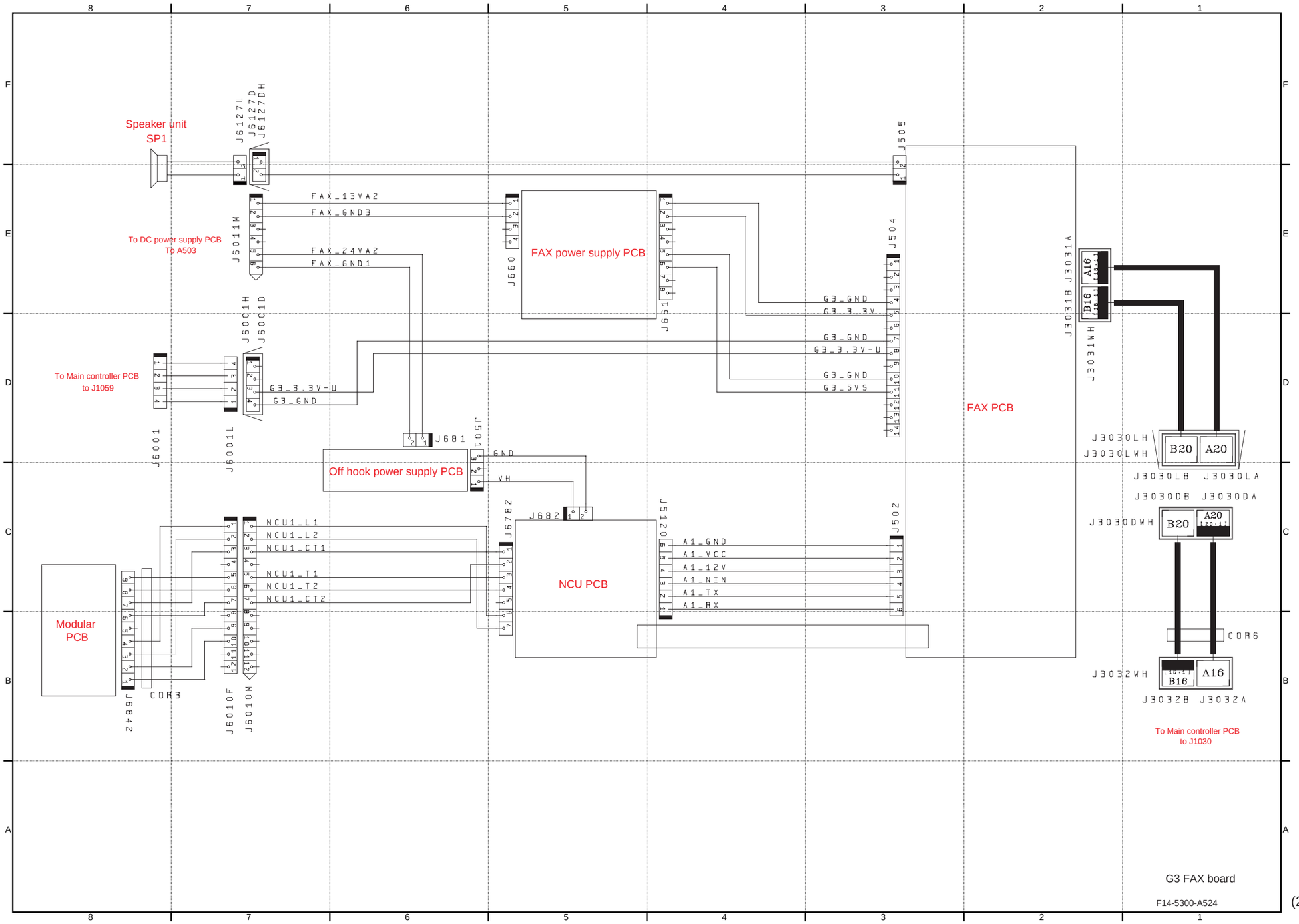

Main controller PCB
J1014
board to board
J2
Differential PCB
100
J1
100
J303
Interface PCB
F14-5300-A520
(18/20)

F-2-18

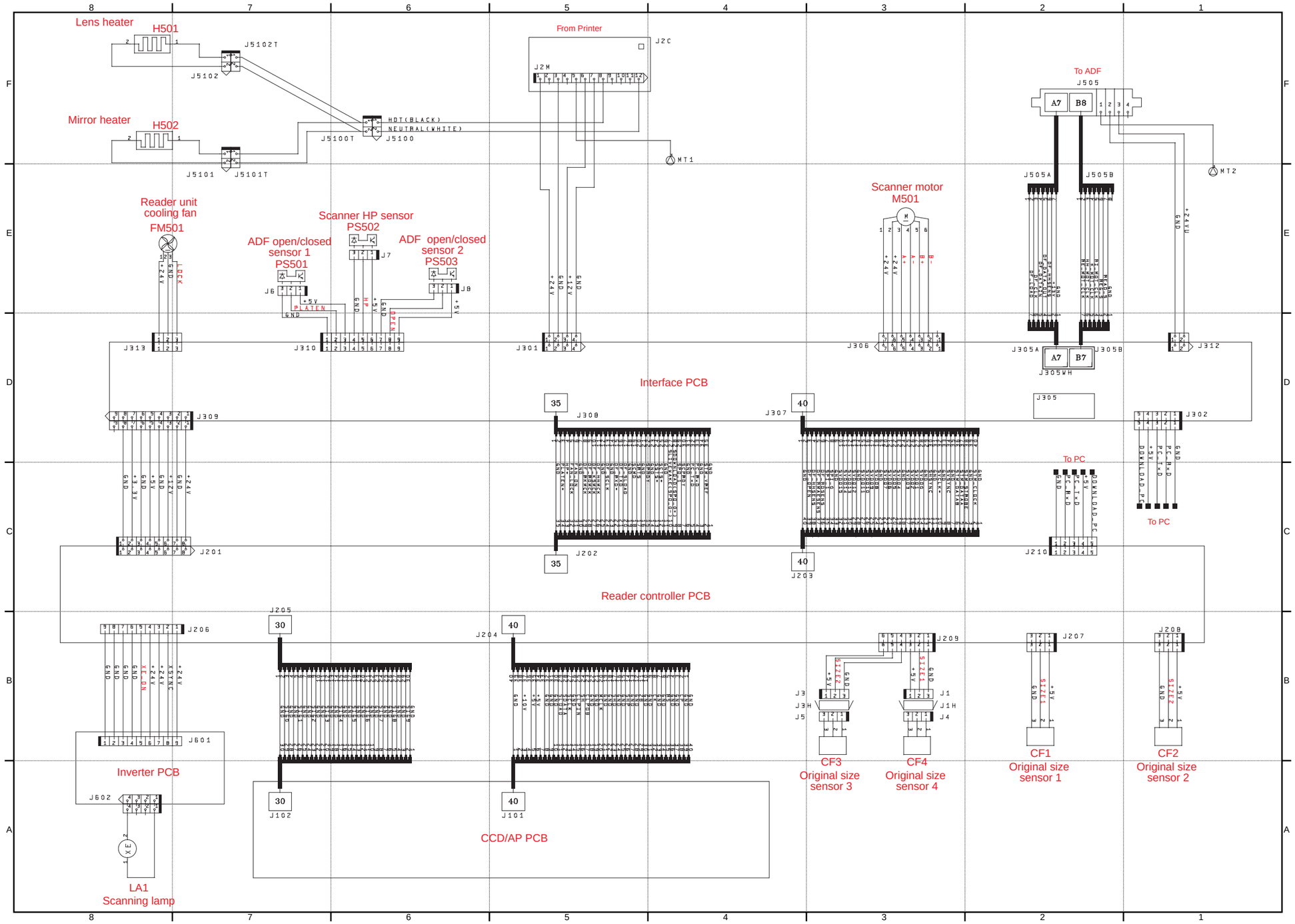

To A516
to J6801
J2117DH
J2117DWH
J2117DA
A18
B18
J2117DB
J511A
J511B
J511WH
Control panel inverter PCB
J1
J2137
J2138
J1113
J2
J3
LCD1
LCD
Control panel CPU PCB
J1112
J1114
J1110
J2139
J6002
Control panel keypad PCB
J1111
J1115
(FOOT SW)
J2140
J6801
Control panel
F14-5300-A521
(19/20)

F-2-19


Speaker unit
SP1
J6127L
J6127D
J6127DH
To DC power supply PCB
To A503
J6011W
FAX_13VA2
FAX_GND3
FAX_24VA2
FAX_GND1
J660
FAX power supply PCB
J661
J504
J505
G3_GND
G3_3.3V
G3_GND
G3_3.3V-U
G3_GND
G3_5V5
FAX PCB
J3031B J3031A
J3031WH
A16
B16
To Main controller PCB
to J1059
J6001H
J6001D
J6001
J6001L
G3_3.3V-U
G3_GND
J681
J5010
GND
VH
Off hook power supply PCB
J6782
J682
NCU1_L1
NCU1_L2
NCU1_CT1
NCU1_T1
NCU1_T2
NCU1_CT2
J5120
A1_GND
A1_VCC
A1_12V
A1_NIN
A1_TX
A1_RX
J502
NCU PCB
Modular
PCB
J6842
COR3
J6010F
J6010M
J3030LH
J3030LWH
B20
A20
J3030LB
J3030LA
J3030DB
J3030DA
J3030DWH
COR6
J3032WH
J3032B
J3032A
To Main controller PCB
to J1030
G3 FAX board
F14-5300-A524

(20/20)

F-2-20


Lens heater
H501
J5102T
J5102
Mirror heater
H502
J5101
J5101T
HOT(BLACK)
NEUTRAL(WHITE)
J5100T
J5100
From Printer
J2C
J2M
MT1
To ADF
J505
A7
B8
J505A
J505B
MT2
Reader unit cooling fan
FM501
ADF open/closed sensor 1
PS501
Scanner HP sensor
PS502
ADF open/closed sensor 2
PS503
Scanner motor
M501
J313
J310
J301
J306
J305A
J305B
J305WH
J312
Interface PCB
J309
J308
J307
J305
J302
To PC
J201
J202
J203
J210
Reader controller PCB
J205
J206
J204
J209
J207
J208
Inverter PCB
J601
J602
LA1
Scanning lamp
J102
J101
CCD/AP PCB
CF3
Original size sensor 3
CF4
Original size sensor 4
CF1
Original size sensor 1
CF2
Original size sensor 2

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Feb 21 2005

Canon