General Timing Chart / General Circuit Diagram

iR8500 Series

Canon

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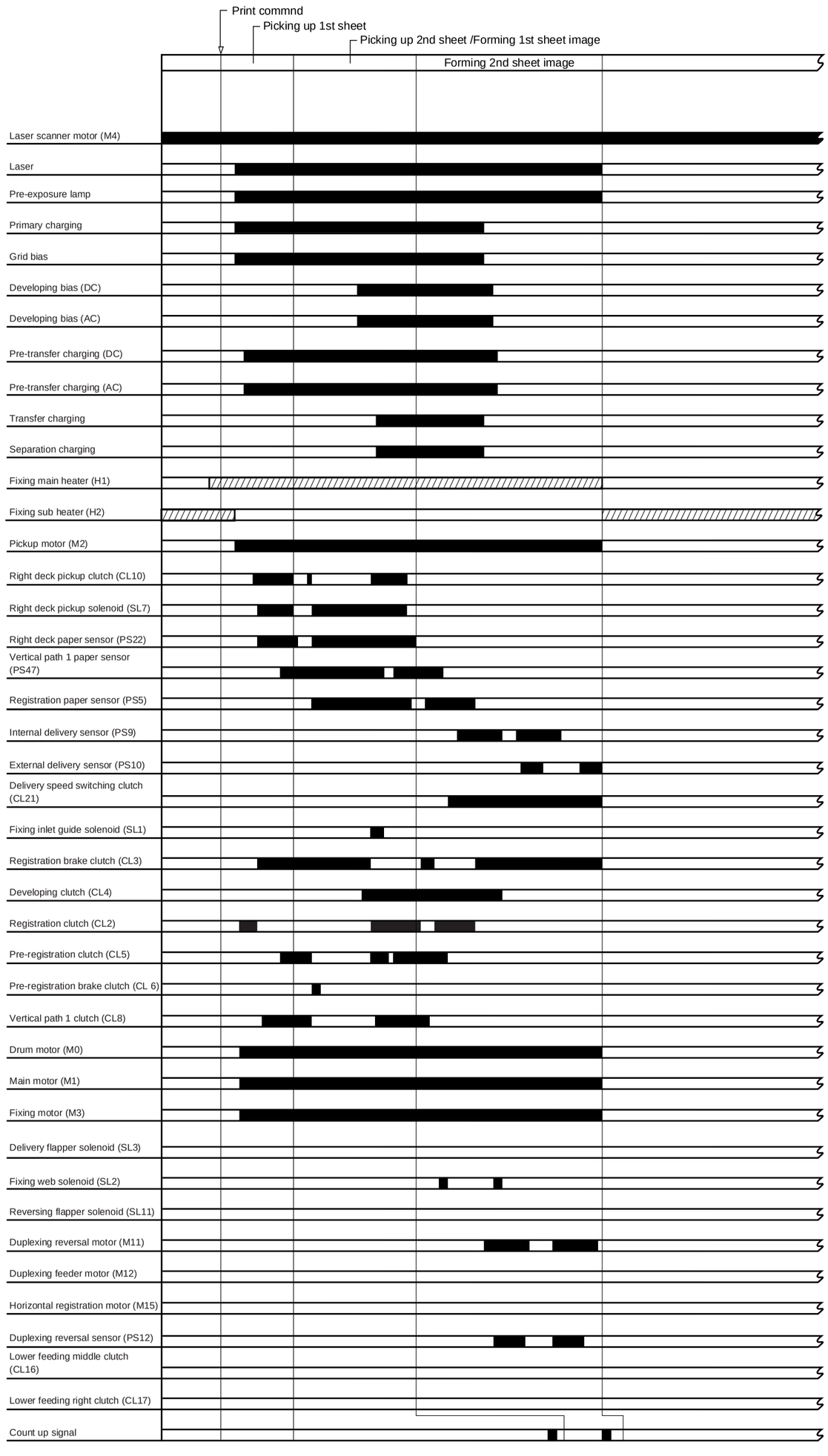

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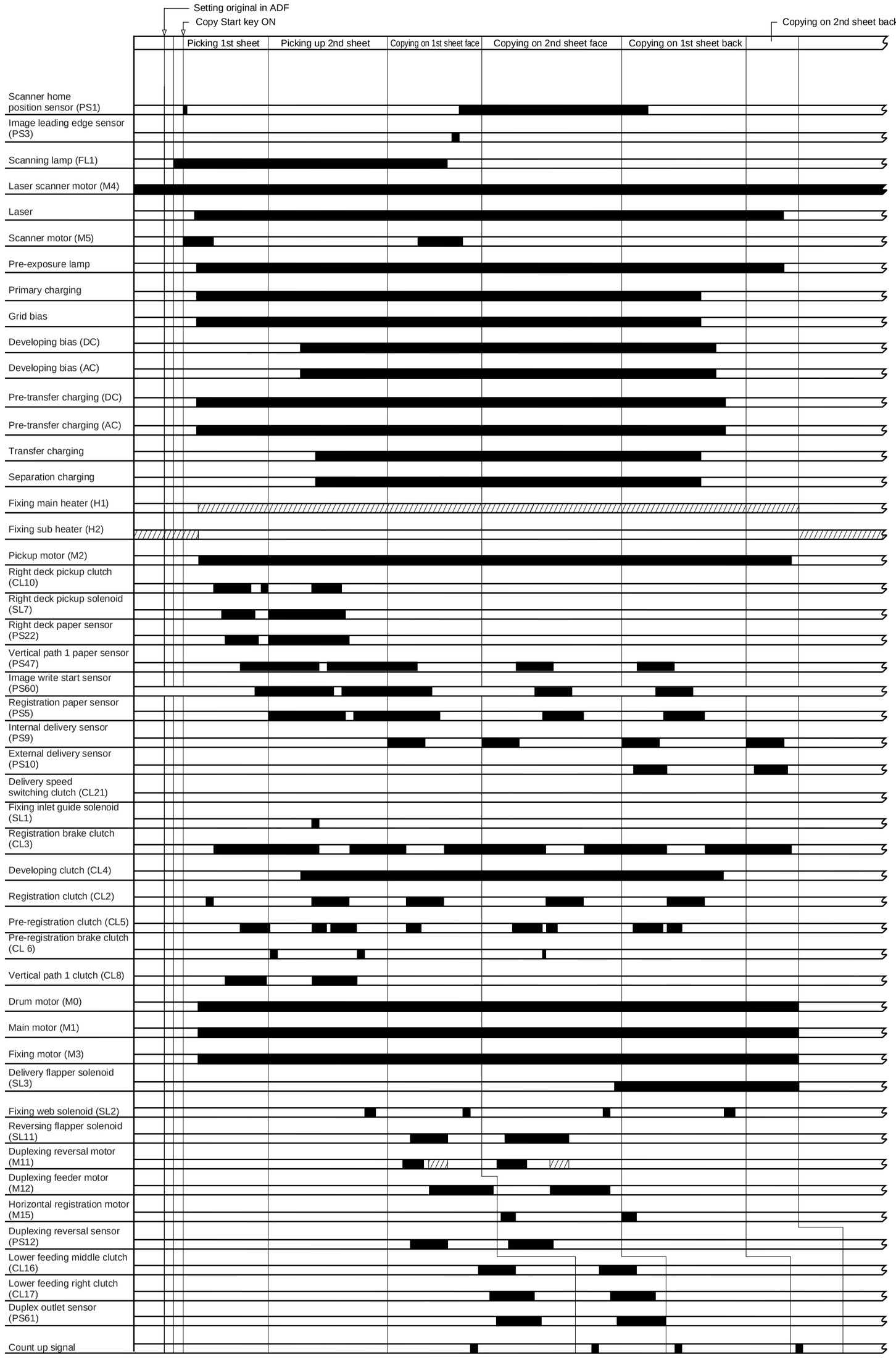

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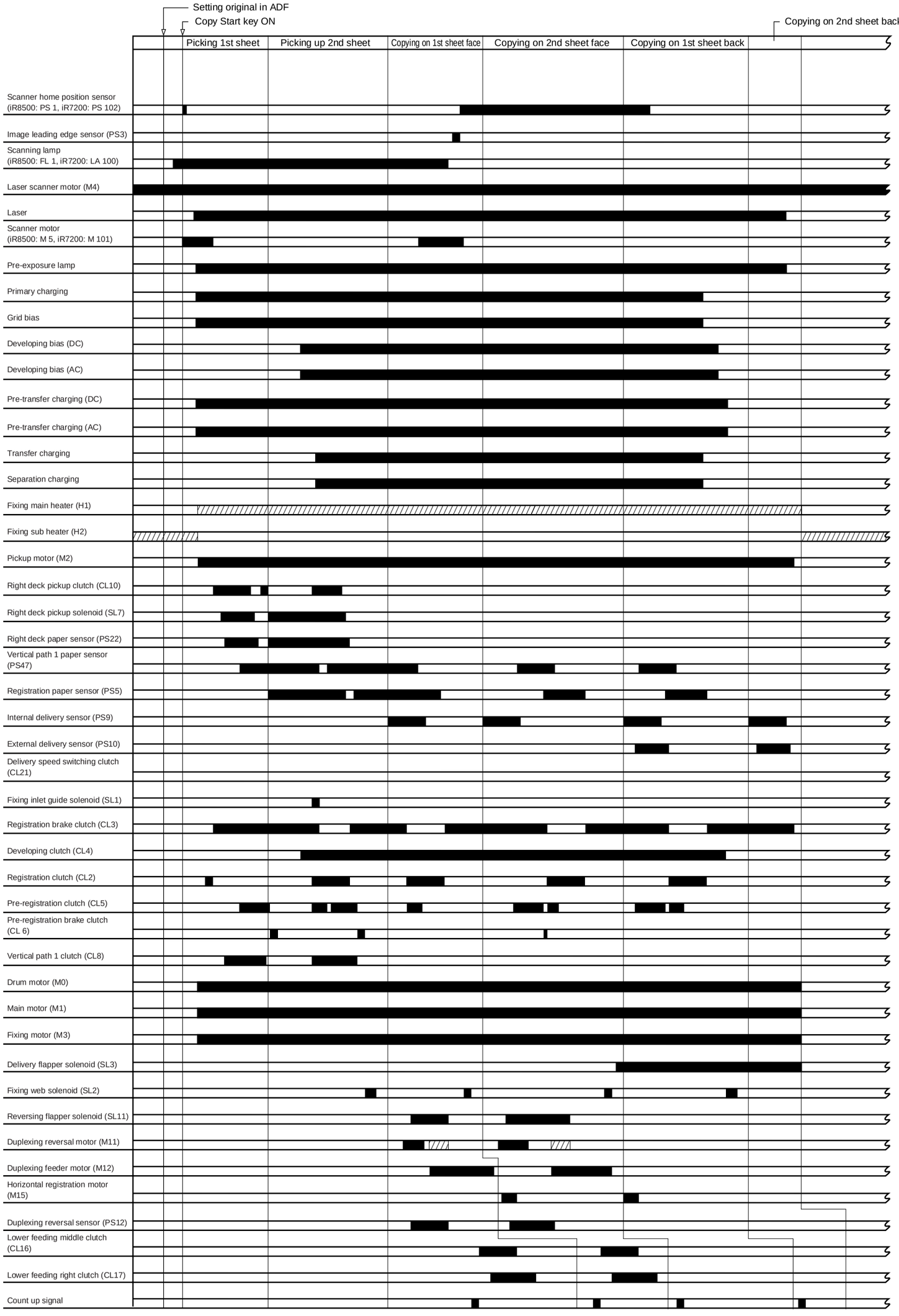

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The following is a list of the signals and abbreviations used in this chapter and the circuit diagrams.

MEMO:
The abbreviations in parentheses are electrical signals, but are analog signals, which cannot be expressed in terms of '1' or '0' Others are digital signals, which may be expressed in terms of '1' or '0' .

T-2-1

AFTER_JOIN_PS	Post-confluence sensor detection signal
BUFFER_CL	Hopper internal magnet roller drive clutch drive command
BUFFER_MOTOR (-)	Hopper internal toner feeder motor drive command 2
BUFFER_MOTOR (+)	Hopper internal toner feeder motor drive command 1
BUFFER_NG	Hopper internal toner lower limit sensor detection signal
BUFFER_WARNING	Hopper internal toner sensor detection signal
C3_FEED_CL_ON	Cassette 3 pickup clutch drive command
C3_FEED_PS	Cassette 3 pickup sensor detection signal
C3_LENGTH	Cassette 3 paper length sensor detection signal
C3_LIFT_PS	Cassette 3 lifter sensor detection signal
C3_LIFTER_MOTOR	Cassette 3 lifter motor drive command
C3_OPEN_PS	Cassette 3 open/closed sensor detection signal
C3_PAPER_PS	Cassette 3 paper sensor detection signal
C3_PICKUP_SL	Cassette 3 pickup solenoid drive command
C3_PLEVER_VR	Cassette 3 paper level detection signal
C3VR	Cassette 3 paper width volume detection signal
C4_FEED_CL_ON	Cassette 4 pickup clutch drive command
C4_FEED_PS	Cassette 4 pickup sensor detection signal
C4_LENGTH	Cassette 4 paper length sensor detection signal
C4_LIFT_PS	Cassette 4 lifter sensor detection signal
C4_LIFTER_MOTOR	Cassette 4 lifter motor drive command
C4_OPEN_PS	Cassette 4 open/closed sensor detection signal
C4_PAPER_PS	Cassette 4 paper sensor detection signal
C4_PICKUP_SL_ON	Cassette 4 pickup solenoid drive command
C4_PLEVER_VR	Cassette 4 paper level detection signal
C4VR	Cassette 4 paper width volume detection signal
CARTRIGE_DETECT	Cartridge detecting switch detection signal

CARTRIGE_MOTORCARTRIGE_	Cartridge internal toner feeder motor drive command
MOTOR+	Cartridge internal toner feeder motor drive command
CARTRIGE_OPEN_PS	Toner cartridge cover open/closed sensor detection signal
CLEW_PS	Fixing claw jam sensor detection signal
CURL_FAN_STOP	De-curling fan lock detection signal
DCP_FAN1_STOP	Power supply cooling fan 1 lock detection signal
DCP_FAN2_STOP	Power supply cooling fan 2 lock detection signal
DECK_PULL_PS	Front deck (left) feeding sensor detection signal
DEV_FAN_STOP	Developing fan lock detection signal
DEV_SLEEVE_CL_ON	Developing cylinder deceleration clutch drive command
DEV1_SLEEVE_CL_ON	Developing clutch drive command
DEVELOP_IS	Developing assembly internal toner sensor detection signal
DOCUMENT_TOP	Image leading edge sensor detection signal
DRUN_FAN_STOP	Drum fan lock detection signal
DRUN_MOTOR_LOCK	Drum motor lock detection signal
DRUN_MOTOR_ON	Drum motor drive command
DUP-INV_PS	Duplexing reversal sensor detection signal
EXHAUST_FAN_STOP	Fixing assembly heat discharge fan lock detection signal
EXIT_DEL_PS	External delivery sensor detection signal
EXIT_FAN1_LOCK	Delivery adhesion-proofing fan lock detection signal
FEED_MOTOR_FG	Pickup motor frequency signal
FEED_MOTOR_ON	Pickup motor drive command
FIXEXIT_DEL_PS	Fixing feeding unit outlet sensor detection signal
FL_TH	Scanning lamp thermal sensor detection signal
FLAP_SL	Delivery flapper solenoid drive command
FREAD_FAN_STOP	Stream reading fan lock detection signal
FRONT_DR_OPEN	Front cover open/closed detecting switch detection signal
FRONT_JOIN_PS	Pre-confluence sensor detection signal
FUSE_M_LOCK	Fixing motor lock detection signal
FUSE_M_ON	Fixing motor drive command
GLASS_PS	Copyboard glass sensor detection signal
INT_DEL_PS	Internal delivery sensor detection signal
INV_FAN_STOP	Inverter cooling fan lock detection signal
INV_GUIDE_SL	Reversing flapper solenoid drive command
KAKIKOMI_PS	Image write start sensor detection signal
LASER1_FAN_STOP	Scanner cooling fan lock detection signal
LASER2_FAN_STOP	Laser driver cooling fan lock detection signal
LDECK_FEED_CL	Deck (left) pickup clutch drive command

LDECK_FEED_PS	Front deck (left) pickup sensor detection signal
LDECK_LIFT_MOTOR	Deck (left) lifter motor drive command
LDECK_LIFT_PS	Front deck (left) lifter sensor detection signal
LDECK_LIMIT_PS	Front deck (left) limit sensor detection signal
LDECK_OPEN_PS	Front deck (left) open/closed sensor detection signal
LDECK_PAPER_PS	Front deck (left) paper sensor detection signal
LDECK_PICKUP_SL	Deck (left) pickup solenoid drive command
LDECK_PLEVEL_M	Front deck (left) paper level middle sensor detection signal
LDECK_PLEVEL_U	Front deck (left) paper level high sensor detection signal
LDECK_PULL_CL	Deck (left) feeding clutch drive command
LOCK	System fan lock detection signal
LOCK	Duplex feed fan lock detection signal
LOW_DR_OPEN	Lower right cover open/closed sensor detection signal
LOWPASS_C_CL	Lower feeding middle clutch drive command
LOWPASS_R_CL	Lower feeding right clutch drive command
MAIN_MOTOR_FG	Main motor frequency signal
MAIN_MOTOR_ON	Main motor drive command
MAIN_TENP	Fixing main thermistor detection signal
MLT_CURL_ENTRY	Manual feed sensor detection signal
MLT_DR_OPEN	Manual feed tray cover open/closed sensor detection signal
MLT_FEED_CL	Manual feed tray pickup clutch drive command
MLT_PAPER_PS	Manual feed tray paper sensor detection signal
MLT_PICKUP_SL_BACK	Manual feed pickup clutch solenoid drive command
MLT_PICKUP_SL_PULL	Manual feed pickup clutch solenoid drive command
MLT_PULL_CL	Manual feed tray feeding clutch drive command
MLT_VOLUME	Manual feed tray paper width volume detection signal
MOTOR_ON	Vibration motor drive command
MUTI DOOR OPEN	Manual feed tray cover open/closed detecting sensor detection signal
OPT_HP1	Scanner home position sensor detection signal
OPT_MOTOR_FAN_STOP	Scanner moter cooling fan lock detection signal
ORI_SIZE_ON/OFF	Original size sensor ON/OFF detection signal
ORI_SIZE1	Original size sensor detection signal 1
ORI_SIZE2	Original size sensor detection signal 2
ORI_SIZE3	Original size sensor detection signal 3
ORI_SIZE4	Original size sensor detection signal 4
PATH1_CL_ON	Vertical path 1 clutch drive command
PATH1_PS	Vertical path 1 paper sensor detection signal

PATH2_CL_ON	Vertical path 2 clutch drive command
PATH2_PS	Vertical path 2 paper sensor detection signal
PATH3_CL_ON	Vertical path 3 clutch drive command
PATH3_PS	Vertical path 3 paper sensor detection signal
PATH4_CL_ON	Vertical path 4 clutch drive command
PATH4_PS	Vertical path 4 paper sensor detection signal
POST_FAN_STOP	Pre-transfer charging fan lock detection signal
POST_M.C_BK	Pre-transfer charging wire cleaning motor drive command (reverse)
POST_M.C_FW	Pre-transfer charging wire cleaning motor drive command (forward)
POTENTIAL_ON	Potential sensor detection signal
POTENTIAL_SIG	Potential sensor detection signal
PRESSING_PLATE_OPEN	Copyboard cover open/closed sensor detection signal
PRIM_FAN_STOP	Primary charging assembly fan lock detection signal
PRIMARY_V.C_BK	Primary charging wire cleaning motor drive command (reverse)
PRIMARY_V.C_FW	Primary charging wire cleaning motor drive command (forward)
PRIREGI_BRAKE_CL_ON	Pre-registration brake clutch drive command
PRIREGI_CL_ON	Pre-registration clutch drive command
RDECK_FEED_CL	Deck (right) pickup clutch drive command
RDECK_FEED_PS	Front deck (right) pickup sensor detection signal
RDECK_LIFT_MOTOR (24VU)	Deck (right) lifter motor drive command
RDECK_LIFTER_PS	Front deck (right) lifter sensor detection signal
RDECK_LIMIT_PS	Front deck (right) limit sensor detection signal
RDECK_OPEN_PS	Front deck (right) open/closed sensor detection signal
RDECK_PAPER_PS	Front deck (right) paper sensor detection signal
RDECK_PICKUP_SL_ON	Deck (right) pickup solenoid drive command
RDECK_PLEVEL_M	Front deck (right) paper level middle sensor detection signal
RDECK_PLEVEL_U	Front deck (right) paper level high sensor detection signal
RDECK_PULL_PS	Front deck (right) feeding sensor detection signal
REGI_BRAKE_CL	Registration brake clutch drive command
REGIST_CL	Registration clutch drive command
REGIST_PS	Registration paper sensor detection signal
REVER_OPEN_PS	Fixing/feeding unit releasing lever sensor detection signal
RUP_DR_OPEN	Upper right cover open/closed sensor detection signal
SEP_EXAUST_FAN_STOP	Scanner motor cooling fan lock detection signal
SIDE_REGI_PS	Horizontal registration sensor detection signal

SPEED_DEL_CL	Delivery speed switching clutch drive command
STOP	Separation fan lock detection signal
SUB_TEMP	Fixing sub thermistor detection signal
T/S_W.C_OUT1	Transfer/separation charging wire cleaning motor drive command 1
T/S_W.C_OUT2	Transfer/separation charging wire cleaning motor drive command 2
THERN_HUM_SENSOR	Environment sensor detection signal
UNITLOCK_SL_BACK	Fixing feeding unit locking solenoid drive command (back)
UNITLOCK_SL_PULL	Fixing feeding unit locking solenoid drive command (pull)
U-TURN_PS	Duplex outlet sensor detection signal
VASIE_TONER_PACKED_DTC	Waste toner clog detecting switch detection signal
WASTE_TONER_OVER_PS	Waste toner case full sensor detection signal
WEB_LESS	Fixing cleaning belt sensor detection signal
WEB_SL	Fixing cleaning belt solenoid drive command
WEB_WARNING	Fixing cleaning belt warning sensor detection signal

List of Signals/Abbreviations
/ iR8070

The following is a list of the signals and abbreviations used in this chapter and the circuit diagrams.

MEMO:
The abbreviations in parentheses are electrical signals, but are analog signals, which cannot be expressed in terms of '1' or '0'. Others are digital signals, which may be expressed in terms of '1' or '0'.

T-2-2

AFTER_JOIN_PS	Post-confluence sensor detection signal
ADF OPEN*	Copyboard cover open/closed sensor detection signal
BUFFER_CL	Hopper internal magnet roller drive clutch drive command
BUFFER_MOTOR (-)	Hopper internal toner feeder motor drive command 2
BUFFER_MOTOR (+)	Hopper internal toner feeder motor drive command 1
BUFFER_NG	Hopper internal toner lower limit sensor detection signal
BUFFER_WARNING	Hopper internal toner sensor detection signal
C3_FEED_CL	Cassette 3 pickup sensor detection signal
C3_FEED_PS	Cassette 3 pickup clutch drive command
C3_LENGTH0	Cassette 3 paper length sensor detection signal
C3_LIFT_PS	Cassette 3 lifter sensor detection signal
C3_LIFTER_MOTOR	Cassette 3 lifter motor drive command

C3_OPEN_PS	Cassette 3 open/closed sensor detection signal
C3_PAPER_PS	Cassette 3 paper sensor detection signal
C3_PICKUP_SL	Cassette 3 pickup solenoid drive command
C3VR	Cassette 3 paper width volume detection signal
C4_FEED_CL	Cassette 4 pickup clutch drive command
C4_FEED_PS	Cassette 4 pickup sensor detection signal
C4_LENGTH0	Cassette 4 paper length sensor detection signal
C4_LIFT_PS	Cassette 4 lifter sensor detection signal
C4_LIFTER_MOTOR	Cassette 4 lifter motor drive command
C4_OPEN_PS	Cassette 4 open/closed sensor detection signal
C4_PAPER_PS	Cassette 4 paper sensor detection signal
C4_PICKUP_SL	Cassette 4 pickup solenoid drive command
C4VR	Cassette 4 paper width volume detection signal
CARTRIGE_DETECT	Cartridge detecting switch detection signal
CARTRIGE_MOTOR-	Cartridge internal toner feeder motor drive command
CARTRIGE_MOTOR+	Cartridge internal toner feeder motor drive command
CARTRIGE_OPEN_PS	Toner cartridge cover open/closed sensor detection signal
CLAW_JAM	Fixing claw jam sensor detection signal
CURL_FAN_STOP	De-curling fan lock detection signal
D_SENS3*	Original size sensor detection signal 3
DCP_FAN1_STOP	Power supply cooling fan 1 lock detection signal
DCP_FAN2_STOP	Power supply cooling fan 2 lock detection signal
DECK_PULL_PS	Front deck (left) feeding sensor detection signal
DEV_FAN_STOP	Developing fan lock detection signal
DEV_SLEEVE_CL	Developing cylinder deceleration clutch drive command
DEV1_SLEEVE_CL	Developing clutch drive command
DEVELOP_IS	Developing assembly internal toner sensor detection signal
DOCUMENT_TOP	Image leading edge sensor detection signal
DRUM_FAN_STOP	Drum fan lock detection signal
DRUM_MOTOR_LOCK	Drum motor lock detection signal
DRUM_MOTOR_ON	Drum motor drive command
DUP-INV_PS	Duplexing reversal sensor detection signal
EXHAUST_FAN_STOP	Fixing assembly heat discharge fan lock detection signal
EXIT_DEL_PS	External delivery sensor detection signal
EXIT_FAN1_LOCK	Delivery adhesion-proofing fan lock detection signal
FEED_FAN_STOP	Feeding fan lock detection signal
FEED_MOTOR_FG	Pickup motor frequency signal
FEED_MOTOR_ON	Pickup motor drive command

FIXEXIT_DEL_PS	Fixing feeding unit outlet sensor detection signal
FL_TH	Scanning lamp thermal sensor detection signal
FLAP_SL	Delivery flapper solenoid drive command
FREAD_FAN_STOP	Stream reading fan lock detection signal
FRONT_DR_OPEN	Front cover open/closed detecting switch detection signal
FRONT_JOIN_PS	Pre-confluence sensor detection signal
FUSE_M_LOCK	Fixing motor lock detection signal
FUSE_M_ON	Fixing motor drive command
GLASS_PS	Copyboard glass sensor detection signal
HPSENS	Scanner home position sensor detection signal
INT_DEL_PS	Internal delivery sensor detection signal
INV_ERR	Inverter error signal
INV_FAN_STOP	Inverter cooling fan lock detection signal
INV_GUIDE_SL	Reversing flapper solenoid drive command
INV_PS	Reversal sensor detection signal
LAMP_ON	Scanning lamp drive command
LASER1_FAN_STOP	Scanner cooling fan lock detection signal
LASER2_FAN_STOP	Laser driver cooling fan lock detection signal
LDECK_FEED_CL	Deck (left) pickup clutch drive command
LDECK_FEED_PS	Front deck (left) pickup sensor detection signal
LDECK_LIFT_MOTOR (24VU)	Front deck (left) lifter motor drive command
LDECK_LIFT_PS	Front deck (left) lifter sensor detection signal
LDECK_LIMIT_PS	Front deck (left) limit sensor detection signal
LDECK_OPEN_PS	Front deck (left) open/closed sensor detection signal
LDECK_PAPER_PS	Front deck (left) paper sensor detection signal
LDECK_PICKUP_SL	Front deck (left) pickup solenoid drive command
LDECK_PLEVEL_M	Front deck (left) paper level middle sensor detection signal
LDECK_PLEVEL_U	Front deck (left) paper level high sensor detection signal
LDECK_PULL_CL	Deck (left) feeding clutch drive command
LOCK	System fan lock detection signal
LOWPASS_C_CL	Lower feeding middle clutch drive command
LOWPASS_R_CL	Lower feeding right clutch drive command
MAIN_MOTOR_FG	Main motor frequency signal
MAIN_MOTOR_ON	Main motor drive command
MAIN_TENP	Fixing main thermistor detection signal
MLT_CULA_ENTRY	Manual feed sensor detection signal
MLT_DR_OPEN	Manual feed tray cover open/closed sensor detection signal
MLT_FEED_CL	Manual feed tray pickup clutch drive command

MLT_PAPER_PS	Manual feed tray paper sensor detection signal
MLT_PICKUP_SL_BACK	Manual feed pickup clutch solenoid drive command
MLT_PICKUP_SL_PULL	Manual feed pickup clutch solenoid drive command
MLT_PULL_CL	Manual feed tray feeding clutch drive command
MLT_VOLUME	Manual feed tray paper width volume detection signal
MUTI DOOR OPEN	Manual feed tray cover open/closed detecting sensor detection signal
OAI_SIZE3_ON/OFF	Original size sensor ON/OFF detection signal 3
OAI_SIZE4_ON/OFF	Original size sensor ON/OFF detection signal 4
OPT_HP1	Scanner home position sensor detection signal
OPT_MOTOR_FAN_STOP	Scanner motor cooling fan lock detection signal
ORI_SIZE1_ON/OFF	Original size sensor ON/OFF detection signal 1
ORI_SIZE2_ON/OFF	Original size sensor ON/OFF detection signal 2
PATH1_CL	Vertical path 1 clutch drive command
PATH1_PS	Vertical path 1 paper sensor detection signal
PATH2_CL	Vertical path 2 clutch drive command
PATH2_PS	Vertical path 2 paper sensor detection signal
PATH3_CL	Vertical path 3 clutch drive command
PATH3_PS	Vertical path 3 paper sensor detection signal
PATH4_CL	Vertical path 4 clutch drive command
PATH4_PS	Vertical path 4 paper sensor detection signal
POLYGON_FAN_STOP	Laser scanner fan lock detection signal
POST_FAN_STOP	Pre-transfer charging fan lock detection signal
POST_M.C_BK	Pre-transfer charging wire cleaning motor drive command (reverse)
POST_M.C_FW	Pre-transfer charging wire cleaning motor drive command (forward)
POTENTIAL_ON	Potential sensor detection signal
POTENTIAL_SIG	Potential sensor detection signal
PRESSING_PLATE_OPEN	Copyboard cover open/closed sensor detection signal
PRIM_FA_STOP	Primary charging assembly fan lock detection signal
PRINARY_V.C_BK	Primary charging wire cleaning motor drive command (reverse)
PRINARY_V.C_FV	Primary charging wire cleaning motor drive command (forward)
PRIREGI_BRAKE_CL	Pre-registration brake clutch drive command
PRIREGI_CL	Pre-registration clutch drive command
RDECK_FEED_CL	Front deck (right) pickup clutch drive command
RDECK_FEED_PS	Front deck (right) pickup sensor detection signal
RDECK_LIFT_MOTOR (24VU)	Front deck (right) lifter motor drive command

RDECK_LIFTER_PS	Front deck (right) lifter sensor detection signal
RDECK_LINIT_PS	Front deck (right) limit sensor detection signal
RDECK_OLEVEL_U	Front deck (right) paper level high sensor detection signal
RDECK_OPEN_PS	Front deck (right) open/closed sensor detection signal
RDECK_PAPER_PS	Front deck (right) paper sensor detection signal
RDECK_PICKUP_SL	Front deck (right) pickup solenoid drive command
RDECK_PLEVEL_M	Front deck (right) paper level middle sensor detection signal
RDECK_PULL_PS	Front deck (right) feeding sensor detection signal
REGI_BRAKE_CL	Registration brake clutch drive command
REGIST_CL	Registration clutch drive command
REGIST_PS	Registration paper sensor detection signal
REVER_OPEN_PS	Fixing/feeding unit releasing lever sensor detection signal
ROW_DR_OPEN	Lower right cover open/closed sensor detection signal
RUP_DR_OPEN	Upper right cover open/closed sensor detection signal
SEP_FAN_STOP	Separation fan lock detection signal
SIDE_REGI_PS	Horizontal registration sensor detection signal
SIZE1	Original size sensor detection signal 1
SIZE2	Original size sensor detection signal 2
SIZE3	Original size sensor detection signal 3
SIZE4	Original size sensor detection signal 4
SPEED_DEL_CL	Delivery speed switching clutch drive command
SUB_TENP	Fixing sub thermistor detection signal
T/S_W.C_OUT1	Transfer/separation charging wire cleaning motor drive command 1
T/S_W.C_OUT2	Transfer/separation charging wire cleaning motor drive command 2
UNITLOCK_SL_BACK	Fixing feeding unit locking solenoid drive command (back)
UNITLOCK_SL_PULL	Fixing feeding unit locking solenoid drive command (pull)
U-TURN_PS	U-turn sensor detection signal
VASIE_TONER_PACKED_DIC	Waste toner clog detecting switch detection signal
WASTE_TONER_OVER_PS	Waste toner case full sensor detection signal
WEB_LESS	Fixing cleaning belt sensor detection signal
WEB_SL	Fixing cleaning belt solenoid drive command
WEB_WARNING	Fixing cleaning belt warning sensor detection signal

List of Signals/Abbreviations
iR85+

The following is a list of the signals and abbreviations used in this chapter and the circuit diagrams.

MEMO:
The abbreviations in parentheses are electrical signals, but are analog signals, which cannot be expressed in terms of '1' or '0'. Others are digital signals, which may be expressed in terms of '1' or '0'.

T-2-3

AFTER_JOIN_PS	Post-confluence sensor detection signal
BUFFER_CL	Hopper internal magnet roller drive clutch drive command
BUFFER_MOTOR (-)	Hopper internal toner feeder motor drive command 2
BUFFER_MOTOR (+)	Hopper internal toner feeder motor drive command 1
BUFFER_NG	Hopper internal toner lower limit sensor detection signal
BUFFER_WARNING	Hopper internal toner sensor detection signal
C3_FEED_CL	Cassette 3 pickup sensor detection signal
C3_FEED_PS	Cassette 3 pickup clutch drive command
C3_LENGTH0	Cassette 3 paper length sensor detection signal
C3_LIFT_PS	Cassette 3 lifter sensor detection signal
C3_LIFTER_MOTOR	Cassette 3 lifter motor drive command
C3_OPEN_PS	Cassette 3 open/closed sensor detection signal
C3_PAPER_PS	Cassette 3 paper sensor detection signal
C3_PICKUP_SL	Cassette 3 pickup solenoid drive command
C3VR	Cassette 3 paper width volume detection signal
C4_FEED_CL	Cassette 4 pickup clutch drive command
C4_FEED_PS	Cassette 4 pickup sensor detection signal
C4_LENGTH0	Cassette 4 paper length sensor detection signal
C4_LIFT_PS	Cassette 4 lifter sensor detection signal
C4_LIFTER_MOTOR	Cassette 4 lifter motor drive command
C4_OPEN_PS	Cassette 4 open/closed sensor detection signal
C4_PAPER_PS	Cassette 4 paper sensor detection signal
C4_PICKUP_SL	Cassette 4 pickup solenoid drive command
C4VR	Cassette 4 paper width volume detection signal
CARTRIGE_DETECT	Cartridge detecting switch detection signal
CARTRIGE_MOTOR-	Cartridge internal toner feeder motor drive command
CARTRIGE_MOTOR+	Cartridge internal toner feeder motor drive command
CARTRIGE_OPEN_PS	Toner cartridge cover open/closed sensor detection signal
CLAW_JAM	Fixing claw jam sensor detection signal
CURL_FAN_STOP	De-curling fan lock detection signal
DCP_FAN1_STOP	Power supply cooling fan 1 lock detection signal
DCP_FAN2_STOP	Power supply cooling fan 2 lock detection signal
DECK_PULL_PS	Front deck (left) feeding sensor detection signal

DEV_FAN_STOP	Developing fan lock detection signal
DEV_SLEEVE_CL	Developing cylinder deceleration clutch drive command
DEV1_SLEEVE_CL	Developing clutch drive command
DEVELOP_IS	Developing assembly internal toner sensor detection signal
DRUM_FAN_STOP	Drum fan lock detection signal
DRUM_MOTOR_LOCK	Drum motor lock detection signal
DRUM_MOTOR_ON	Drum motor drive command
DUP-INV_PS	Duplexing reversal sensor detection signal
EXHAUST_FAN_STOP	Fixing assembly heat discharge fan lock detection signal
EXIT_DEL_PS	External delivery sensor detection signal
EXIT_FAN1_LOCK	Delivery adhesion-proofing fan lock detection signal
FEED_FAN_STOP	Feeding fan lock detection signal
FEED_MOTOR_FG	Pickup motor frequency signal
FEED_MOTOR_ON	Pickup motor drive command
FIXEXIT_DEL_PS	Fixing feeding unit outlet sensor detection signal
FLAP_SL	Delivery flapper solenoid drive command
FRONT_DR_OPEN	Front cover open/closed detecting switch detection signal
FRONT_JOIN_PS	Pre-confluence sensor detection signal
FUSE_M_LOCK	Fixing motor lock detection signal
FUSE_M_ON	Fixing motor drive command
HPSENS	Scanner home position sensor detection signal
INT_DEL_PS	Internal delivery sensor detection signal
INV_GUIDE_SL	Reversing flapper solenoid drive command
INV_PS	Reversal sensor detection signal
LASER1_FAN_STOP	Scanner cooling fan lock detection signal
LASER2_FAN_STOP	Laser driver cooling fan lock detection signal
LDECK_FEED_CL	Deck (left) pickup clutch drive command
LDECK_FEED_PS	Front deck (left) pickup sensor detection signal
LDECK_LIFT_MOTOR (24VU)	Front deck (left) lifter motor drive command
LDECK_LIFT_PS	Front deck (left) lifter sensor detection signal
LDECK_LIMIT_PS	Front deck (left) limit sensor detection signal
LDECK_OPEN_PS	Front deck (left) open/closed sensor detection signal
LDECK_PAPER_PS	Front deck (left) paper sensor detection signal
LDECK_PICKUP_SL	Front deck (left) pickup solenoid drive command
LDECK_PLEVEL_M	Front deck (left) paper level middle sensor detection signal
LDECK_PLEVEL_U	Front deck (left) paper level high sensor detection signal
LDECK_PULL_CL	Deck (left) feeding clutch drive command
LOCK	System fan lock detection signal

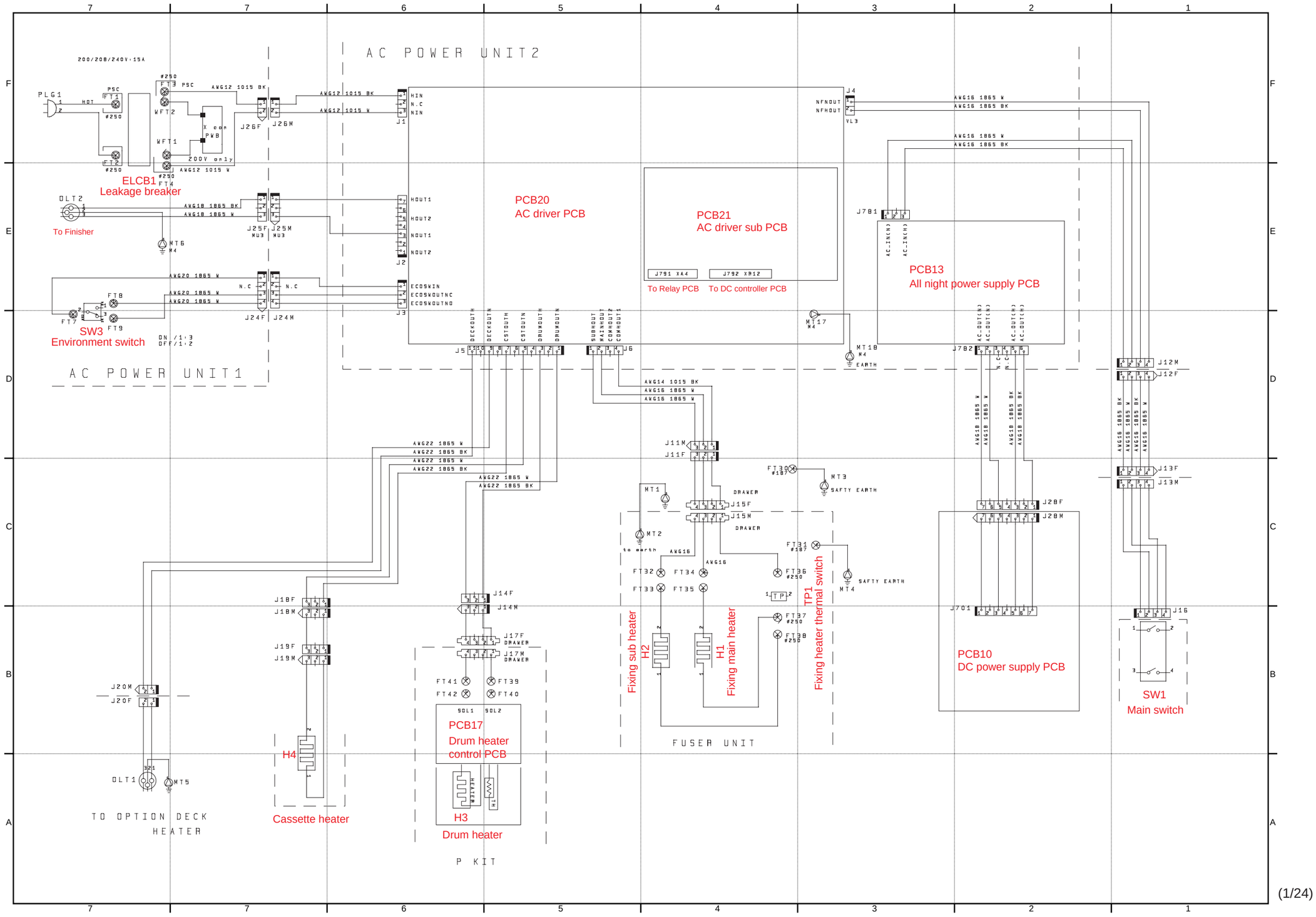
LOWPASS_C_CL	Lower feeding middle clutch drive command
LOWPASS_R_CL	Lower feeding right clutch drive command
MAIN_MOTOR_FG	Main motor frequency signal
MAIN_MOTOR_ON	Main motor drive command
MAIN_TENP	Fixing main thermistor detection signal
MLT_CULA_ENTRY	Manual feed sensor detection signal
MLT_DR_OPEN	Manual feed tray cover open/closed sensor detection signal
MLT_FEED_CL	Manual feed tray pickup clutch drive command
MLT_PAPER_PS	Manual feed tray paper sensor detection signal
MLT_PICKUP_SL_BACK	Manual feed pickup clutch solenoid drive command
MLT_PICKUP_SL_PULL	Manual feed pickup clutch solenoid drive command
MLT_PULL_CL	Manual feed tray feeding clutch drive command
MLT_VOLUME	Manual feed tray paper width volume detection signal
MUTI DOOR OPEN	Manual feed tray cover open/closed detecting sensor detection signal
PATH1_CL	Vertical path 1 clutch drive command
PATH1_PS	Vertical path 1 paper sensor detection signal
PATH2_CL	Vertical path 2 clutch drive command
PATH2_PS	Vertical path 2 paper sensor detection signal
PATH3_CL	Vertical path 3 clutch drive command
PATH3_PS	Vertical path 3 paper sensor detection signal
PATH4_CL	Vertical path 4 clutch drive command
PATH4_PS	Vertical path 4 paper sensor detection signal
POLYGON_FAN_STOP	Laser scanner fan lock detection signal
POST_FAN_STOP	Pre-transfer charging fan lock detection signal
POST_M.C_BK	Pre-transfer charging wire cleaning motor drive command (reverse)
POST_M.C_FW	Pre-transfer charging wire cleaning motor drive command (forward)
POTENTIAL_ON	Potential sensor detection signal
POTENTIAL_SIG	Potential sensor detection signal
PRIM_FA_STOP	Primary charging assembly fan lock detection signal
PRINARY_V.C_BK	Primary charging wire cleaning motor drive command (reverse)
PRINARY_V.C_FV	Primary charging wire cleaning motor drive command (forward)
PRIREGI_BRAKE_CL	Pre-registration brake clutch drive command
PRIREGI_CL	Pre-registration clutch drive command
RDECK_FEED_CL	Front deck (right) pickup clutch drive command
RDECK_FEED_PS	Front deck (right) pickup sensor detection signal

RDECK_LIFT_MOTOR (24VU)	Front deck (right) lifter motor drive command
RDECK_LIFTER_PS	Front deck (right) lifter sensor detection signal
RDECK_LINIT_PS	Front deck (right) limit sensor detection signal
RDECK_OLEVEL_U	Front deck (right) paper level high sensor detection signal
RDECK_OPEN_PS	Front deck (right) open/closed sensor detection signal
RDECK_PAPER_PS	Front deck (right) paper sensor detection signal
RDECK_PICKUP_SL	Front deck (right) pickup solenoid drive command
RDECK_PLEVEL_M	Front deck (right) paper level middle sensor detection signal
RDECK_PULL_PS	Front deck (right) feeding sensor detection signal
REGI_BRAKE_CL	Registration brake clutch drive command
REGIST_CL	Registration clutch drive command
REGIST_PS	Registration paper sensor detection signal
REVER_OPEN_PS	Fixing/feeding unit releasing lever sensor detection signal
ROW_DR_OPEN	Lower right cover open/closed sensor detection signal
RUP_DR_OPEN	Upper right cover open/closed sensor detection signal
SEP_FAN_STOP	Separation fan lock detection signal
SIDE_REGI_PS	Horizontal registration sensor detection signal
SPEED_DEL_CL	Delivery speed switching clutch drive command
SUB_TENP	Fixing sub thermistor detection signal
T/S_W.C_OUT1	Transfer/separation charging wire cleaning motor drive command 1
T/S_W.C_OUT2	Transfer/separation charging wire cleaning motor drive command 2
UNITLOCK_SL_BACK	Fixing feeding unit locking solenoid drive command (back)
UNITLOCK_SL_PULL	Fixing feeding unit locking solenoid drive command (pull)
U-TURN_PS	U-turn sensor detection signal
VASIE_TONER_PACKED_DIC	Waste toner clog detecting switch detection signal
WASTE_TONER_OVER_PS	Waste toner case full sensor detection signal
WEB_LESS	Fixing cleaning belt sensor detection signal
WEB_SL	Fixing cleaning belt solenoid drive command
WEB_WARNING	Fixing cleaning belt warning sensor detection signal

General Circuit Diagram

General Circuit Diagram (1/24)

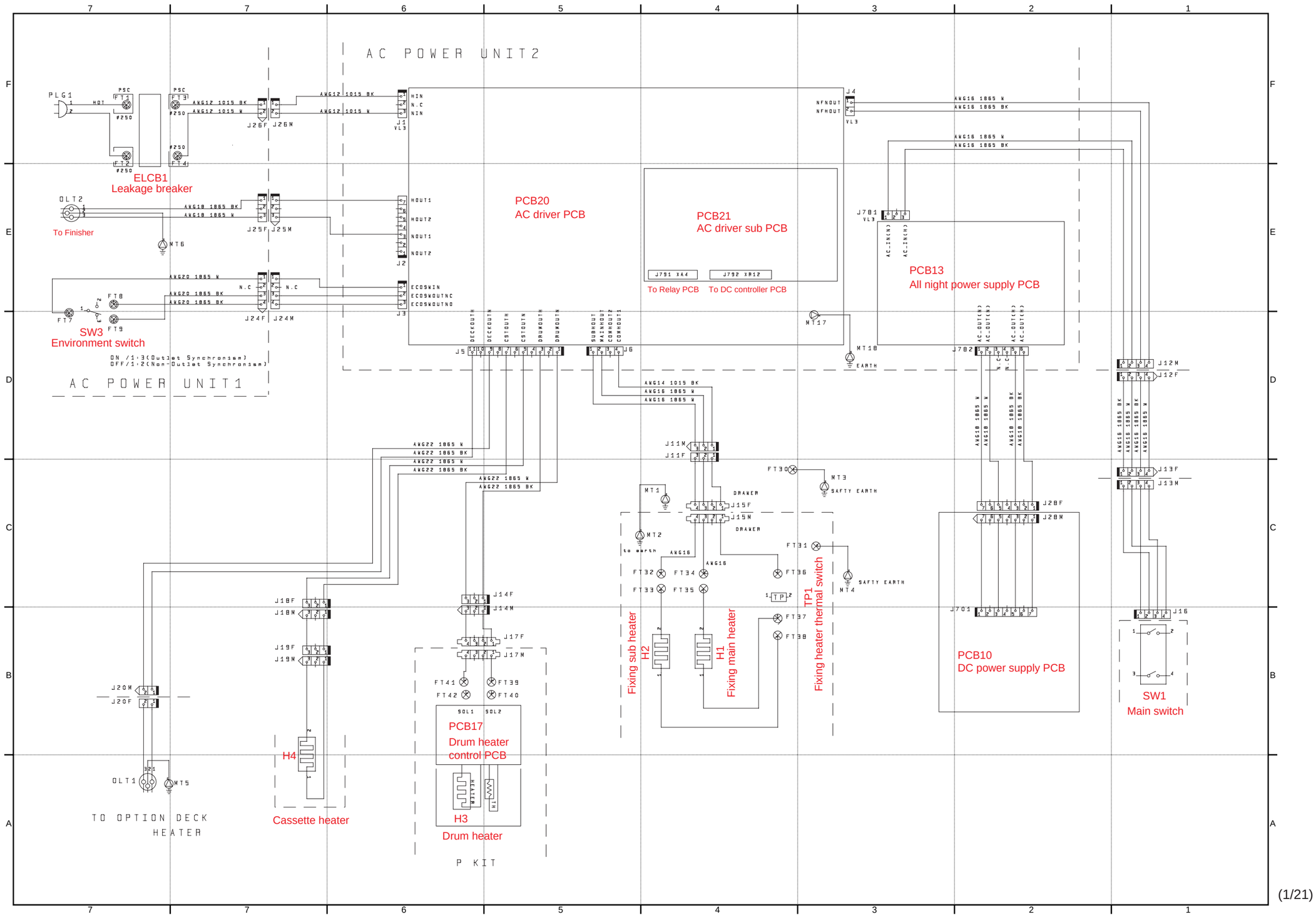
iR105i/iR105+ / iR9070


AC POWER UNIT2
AC POWER UNIT1
200/208/240V·15A
PLG1
HOT
FT1 P5C
FT2
#250
WFT2
WFT1
X con PWB
200V only
FT3 P5C
FT4
AWG12 1015 BK
AWG12 1015 W
J26F
J26M
J1
NIN
N.C
NIN
ELCB1
Leakage breaker
OLT2
To Finisher
MT6
M4
AWG18 1865 BK
AWG18 1865 W
J25F MU3
J25M MU3
HOUT1
HOUT2
NOUT1
NOUT2
J2
AWG20 1865 W
N.C
FT8
FT7
FT9
SW3
Environment switch
ON /1·3
OFF/1·2
J24F
J24M
ECOSWIN
ECOSWOUTNC
ECOSWOUTNO
J3
PCB20
AC driver PCB
PCB21
AC driver sub PCB
J791 XA4
J792 XR12
To Relay PCB
To DC controller PCB
J4
NFNOUT
NFHOUT
VL3
AWG16 1865 W
AWG16 1865 BK
J781
PCB13
All night power supply PCB
AC_IN(N)
AC_IN(H)
MT17
M4
MT18
M4
EARTH
J782
AC_OUT(N)
AC_OUT(H)
N.C
J12M
J12F
J13F
J13M
DECKOUT
CSTOUTN
CSTOUTH
DRUMOUTH
DRUMOUTN
SUBHOUT
MAINHOUT
COMHOUT2
COMHOUT1
J5
J6
AWG14 1015 BK
AWG16 1865 W
AWG22 1865 W
AWG22 1865 BK
J11M
J11F
FT30
#187
MT3
SAFTY EARTH
MT1
DRAWER
J15F
J15M
MT2
to earth
AWG16
FT32
FT34
FT33
FT35
FT36
#250
FT31
#187
SAFTY EARTH
MT4
TP1
Fixing heater thermal switch
FT37
#250
FT38
#250
H1
Fixing main heater
H2
Fixing sub heater
FUSER UNIT
J28F
J28M
J701
PCB10
DC power supply PCB
J16
SW1
Main switch
J18F
J18M
J19F
J19M
H4
Cassette heater
J14F
J14M
J17F DRAWER
J17M DRAWER
FT41
FT42
FT39
FT40
SOL1
SOL2
PCB17
Drum heater control PCB
HEATER
TH
H3
Drum heater
P KIT
J20M
J20F
OLT1
MT5
TO OPTION DECK HEATER

(1/24)

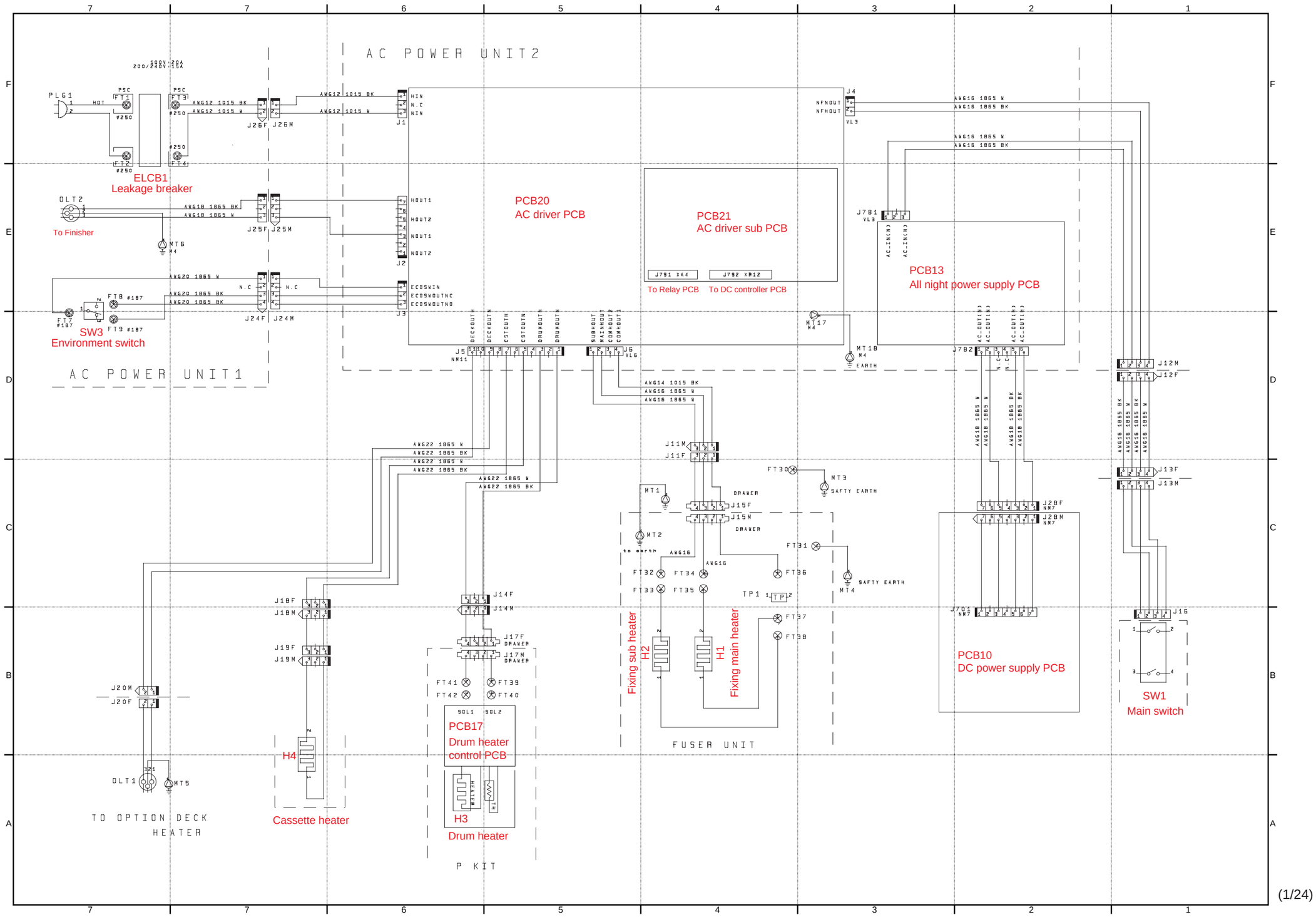
F-2-1

General Circuit Diagram (1/21)
/ iR8070


AC POWER UNIT2
AC POWER UNIT1
PLG1
HOT
ELCB1
Leakage breaker
OLT2
To Finisher
MT6
SW3
Environment switch
ON /1・3(Outlet Synchronism)
OFF/1・2(Non-Outlet Synchronism)
PCB20
AC driver PCB
PCB21
AC driver sub PCB
J791 XA4
J792 XR12
To Relay PCB
To DC controller PCB
PCB13
All night power supply PCB
MT17
MT18
EARTH
PCB10
DC power supply PCB
SW1
Main switch
Fixing sub heater
H2
H1
Fixing main heater
TP1
Fixing heater thermal switch
PCB17
Drum heater
control PCB
H3
Drum heater
H4
Cassette heater
TO OPTION DECK
HEATER
P KIT
DRAWER
SAFTY EARTH
to earth
(1/21)

F-2-2

General Circuit Diagram (1/24)

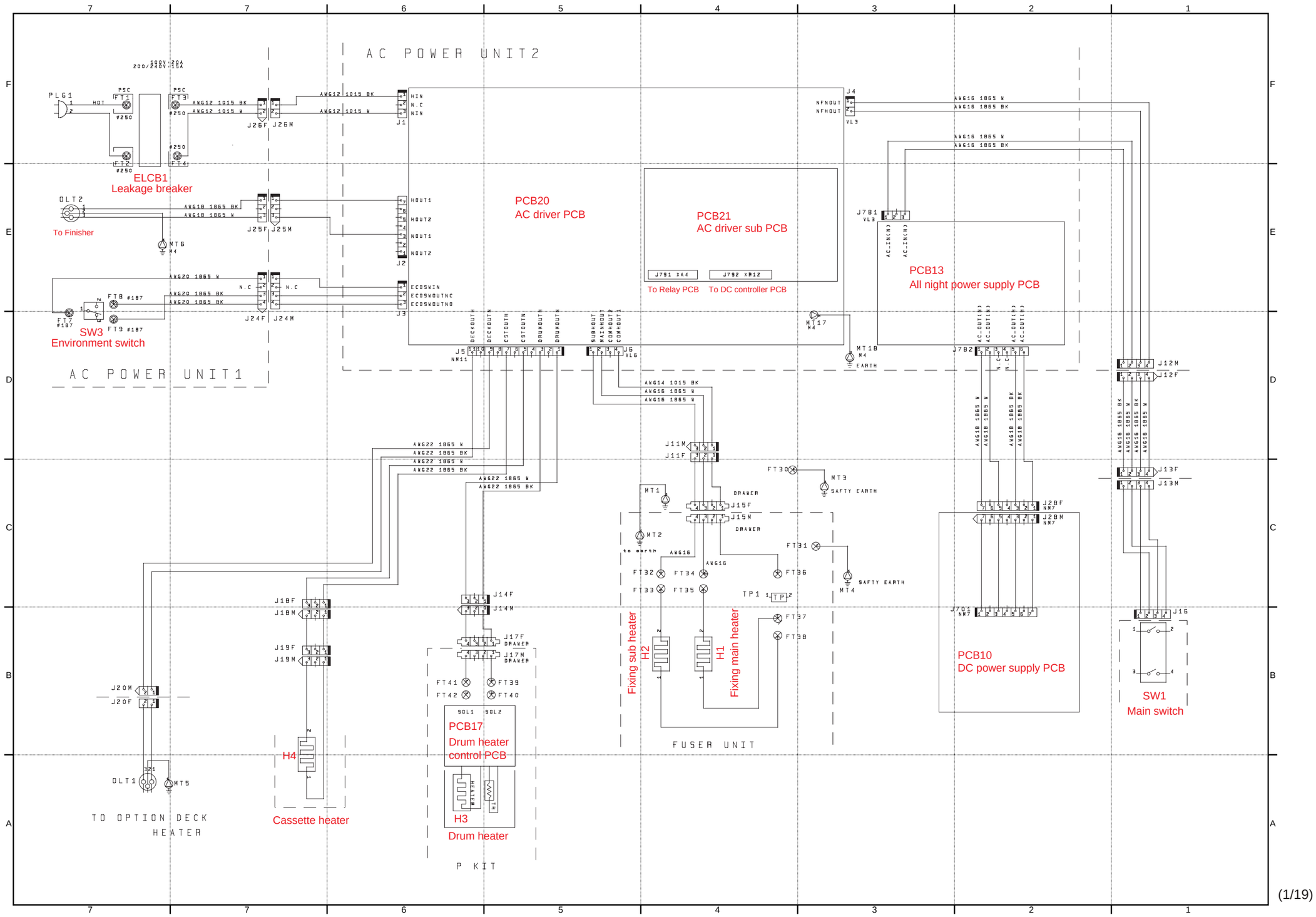

AC POWER UNIT2
AC POWER UNIT1
PLG1
HOT
FT1 #250
FT2 #250
FT3 #250
FT4 #250
AWG12 1015 BK
AWG12 1015 W
J26F J26M
J1
NIN
N.C
NIN
ELCB1
Leakage breaker
PCB20
AC driver PCB
PCB21
AC driver sub PCB
J791 XA4
J792 XM12
To Relay PCB
To DC controller PCB
J4
NFNOUT
NFHOUT
VL3
AWG18 1865 W
AWG18 1865 BK
J781
PCB13
All night power supply PCB
AC_IN(N)
AC_IN(H)
AC_OUT(N)
AC_OUT(H)
J782
J12M
J12F
J13F
J13M
DLT2
To Finisher
MT6
M4
J25F J25M
HOUT1
HOUT2
NOUT1
NOUT2
J2
AWG20 1865 W
AWG20 1865 BK
FT7 #187
FT8 #187
FT9 #187
SW3
Environment switch
J24F J24M
ECOSWIN
ECOSWOUTNC
ECOSWOUTNO
J3
MT17
MT18
EARTH
DECKOUT
CSTOUTN
DRUMOUTN
SUBMOUT
MAINMOUT
COMMOUT2
COMMOUT1
J5
NM11
J6
VL6
AWG14 1015 BK
AWG16 1865 W
AWG22 1865 W
AWG22 1865 BK
J11M
J11F
DRAWER
J15F
J15M
MT1
MT2
to earth
FT30
MT3
SAFTY EARTH
FT31
MT4
FT32
FT33
FT34
FT35
FT36
TP1
FT37
FT38
Fixing sub heater
H2
H1
Fixing main heater
FUSER UNIT
J18F
J18M
J19F
J19M
J14F
J14M
J17F
J17M
FT41
FT42
FT39
FT40
SOL1
SOL2
PCB17
Drum heater
control PCB
HEATER
TH
H3
Drum heater
P KIT
J20M
J20F
DLT1
MT5
TO OPTION DECK
HEATER
H4
Cassette heater
J28F
J28M
NM7
J701
PCB10
DC power supply PCB
J16
SW1
Main switch

(1/24)

F-2-3

General Circuit Diagram (1/19)

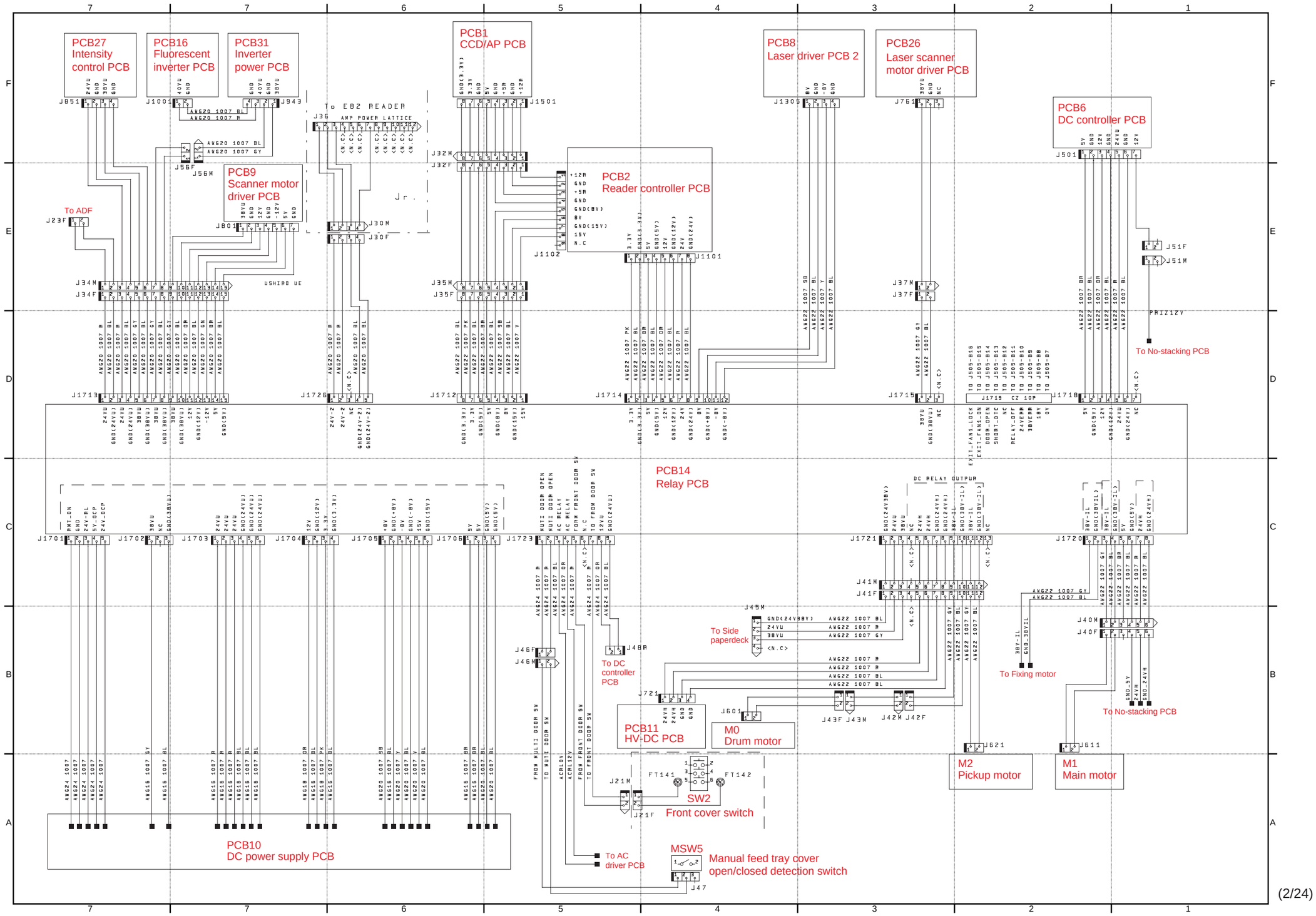
iR85+


AC POWER UNIT2
AC POWER UNIT1
PLG1
HOT
FT1 #250
FT2 #250
FT3 #250
FT4 #250
AWG12 1015 BK
AWG12 1015 W
J26F J26M
J1
NIN
N.C
NIN
ELCB1
Leakage breaker
DLT2
To Finisher
MT6
M4
AWG18 1865 BK
AWG18 1865 W
J25F J25M
HOUT1
HOUT2
NOUT1
NOUT2
J2
AWG20 1865 W
AWG20 1865 BK
AWG20 1865 BK
N.C
N.C
FT8 #187
FT7 #187
FT9 #187
SW3
Environment switch
J24F J24M
ECOSWIN
ECOSWOUTNC
ECOSWOUTNO
J3
PCB20
AC driver PCB
PCB21
AC driver sub PCB
J791 XA4
J792 XM12
To Relay PCB
To DC controller PCB
J4
NFNOUT
NFHOUT
VL3
AWG16 1865 W
AWG16 1865 BK
J781
VL3
AC_IN(N)
AC_IN(H)
PCB13
All night power supply PCB
MT17
M4
MT18
M4
EARTH
J782
AC_OUT(N)
AC_OUT(H)
N.C
J5
NM11
J6
VL6
DECKOUT
CSTOUTN
DRUMOUTN
SUBHOUT
MAINHOUT
COMHOUT2
COMHOUT1
AWG14 1015 BK
AWG16 1865 W
AWG22 1865 W
AWG22 1865 BK
J11M
J11F
J15F
J15M
DRAWER
MT1
MT2
to earth
FT30
MT3
SAFTY EARTH
FT31
MT4
SAFTY EARTH
FT32
FT33
FT34
FT35
FT36
TP1
FT37
FT38
Fixing sub heater
H2
Fixing main heater
H1
FUSER UNIT
J12M
J12F
J13F
J13M
J28F
J28M
NM7
J701
NM7
PCB10
DC power supply PCB
J16
SW1
Main switch
J18F
J18M
J19F
J19M
H4
Cassette heater
J14F
J14M
J17F
J17M
DRAWER
FT41
FT42
FT39
FT40
SOL1
SOL2
PCB17
Drum heater
control PCB
HEATER
TH
H3
Drum heater
P KIT
J20M
J20F
DLT1
MT5
TO OPTION DECK
HEATER

(1/19)

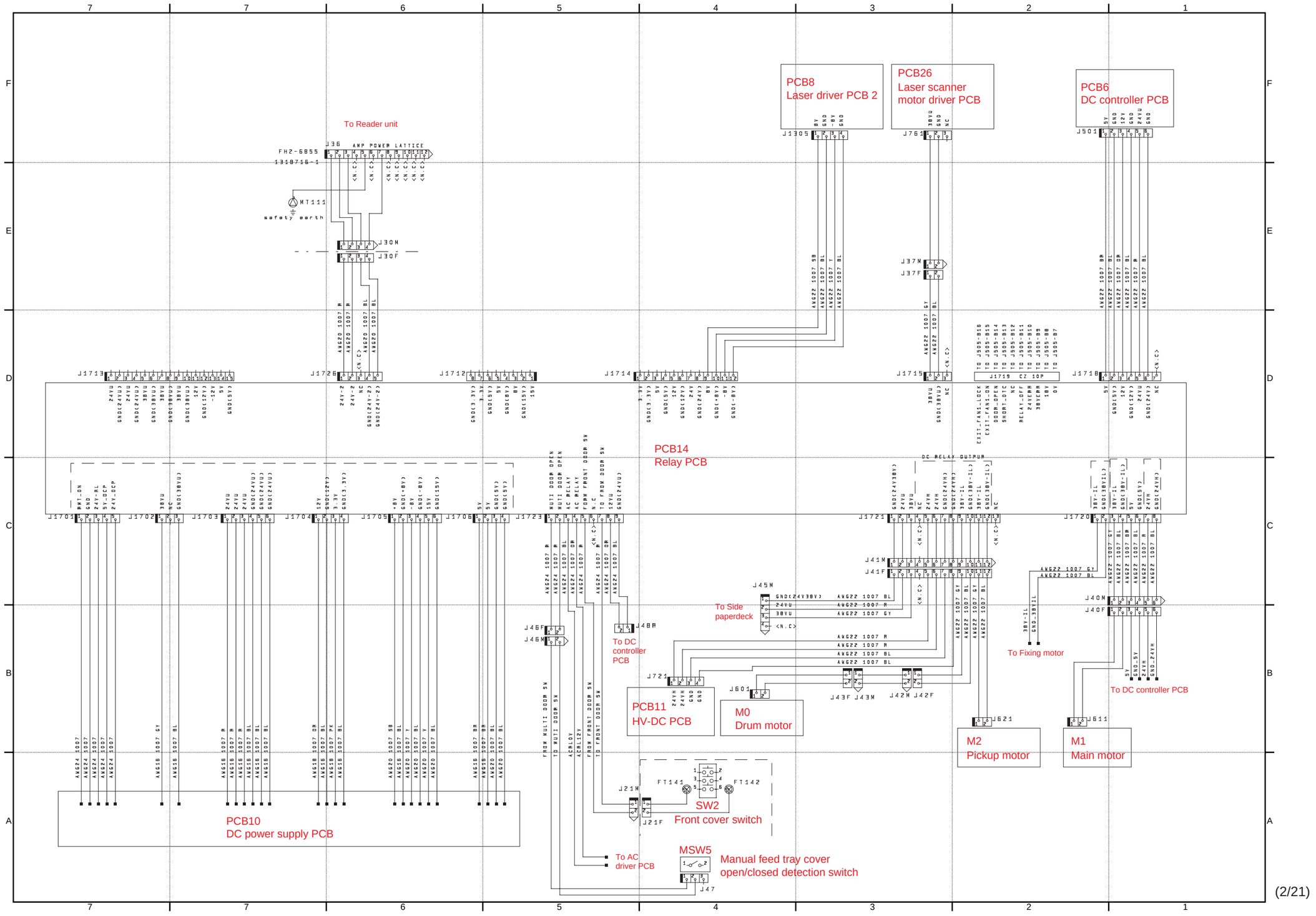
F-2-4

General Circuit Diagram (2/24)
iR105i/iR105+ / iR9070


PCB27
Intensity control PCB
PCB16
Fluorescent inverter PCB
PCB31
Inverter power PCB
PCB1
CCD/AP PCB
PCB8
Laser driver PCB 2
PCB26
Laser scanner motor driver PCB
PCB6
DC controller PCB
To EBZ READER
AMP POWER LATTICE
PCB9
Scanner motor driver PCB
To ADF
PCB2
Reader controller PCB
To No-stacking PCB
PCB14
Relay PCB
DC RELAY OUTPUR
To Side paperdeck
To DC controller PCB
To Fixing motor
To No-stacking PCB
PCB11
HV-DC PCB
M0
Drum motor
M2
Pickup motor
M1
Main motor
SW2
Front cover switch
PCB10
DC power supply PCB
To AC driver PCB
MSW5
Manual feed tray cover open/closed detection switch
(2/24)

F-2-5

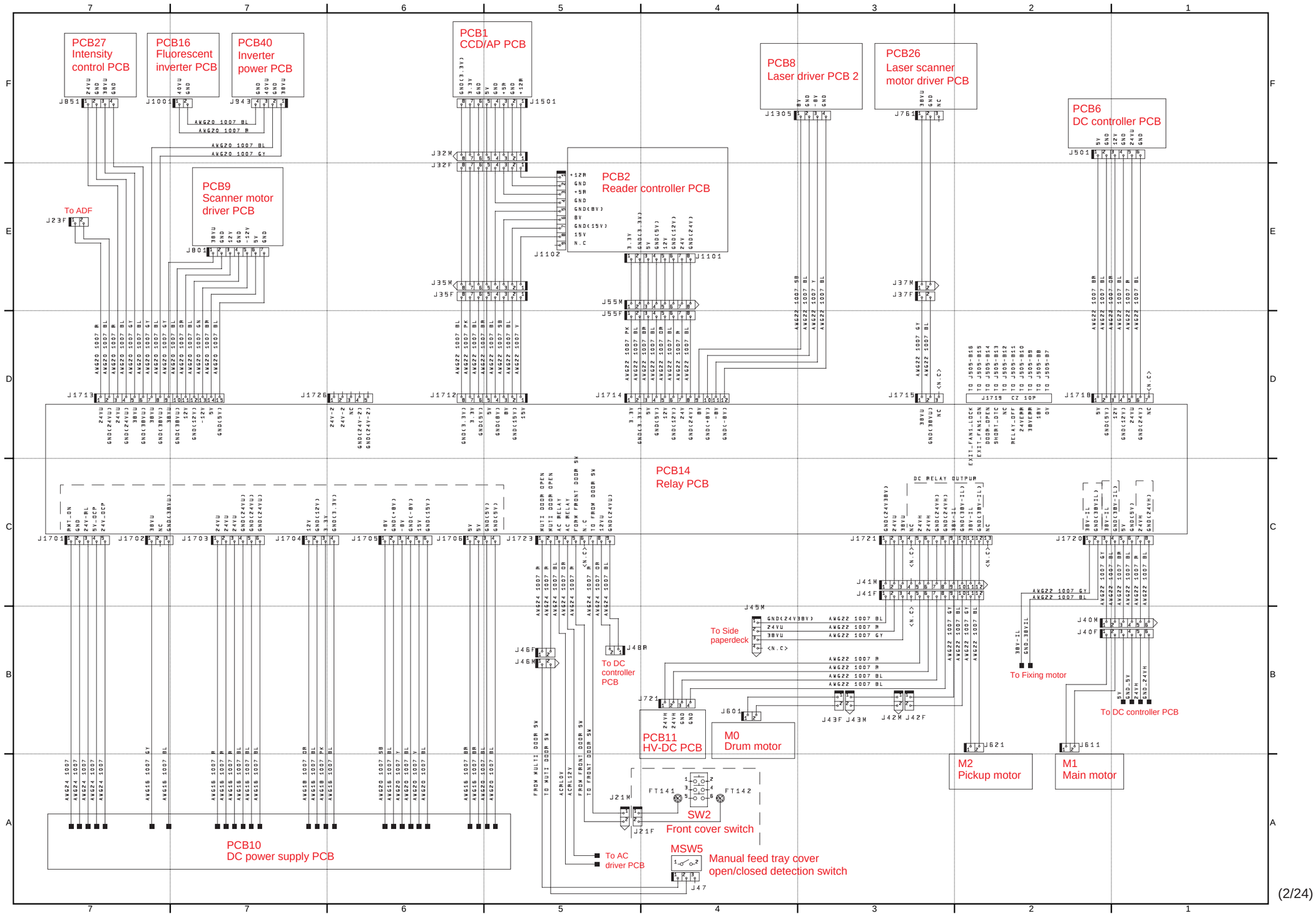
General Circuit Diagram (2/21)
/ iR8070


PCB8
Laser driver PCB 2
PCB26
Laser scanner
motor driver PCB
PCB6
DC controller PCB
To Reader unit
PCB14
Relay PCB
PCB11
HV-DC PCB
M0
Drum motor
M2
Pickup motor
M1
Main motor
PCB10
DC power supply PCB
SW2
Front cover switch
MSW5
Manual feed tray cover
open/closed detection switch
To Side
paperdeck
To DC
controller
PCB
To Fixing motor
To DC controller PCB
To AC
driver PCB

(2/21)

F-2-6

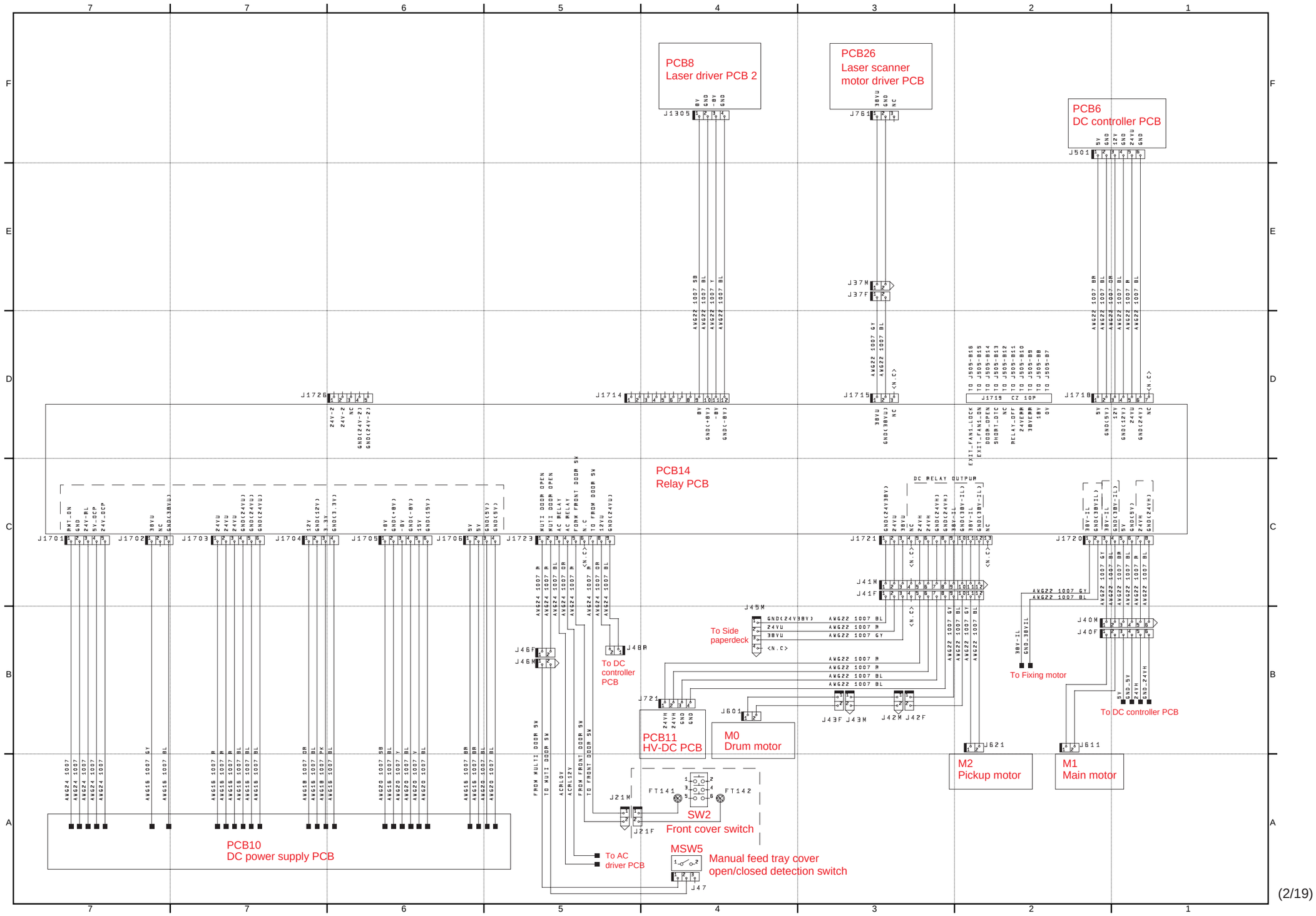
General Circuit Diagram (2/24)


PCB27
Intensity control PCB
PCB16
Fluorescent inverter PCB
PCB40
Inverter power PCB
PCB1
CCD/AP PCB
PCB8
Laser driver PCB 2
PCB26
Laser scanner motor driver PCB
PCB6
DC controller PCB
PCB9
Scanner motor driver PCB
To ADF
PCB2
Reader controller PCB
PCB14
Relay PCB
DC RELAY OUTPUR
PCB10
DC power supply PCB
To AC driver PCB
PCB11
HV-DC PCB
M0
Drum motor
SW2
Front cover switch
MSW5
Manual feed tray cover open/closed detection switch
To Side paperdeck
To DC controller PCB
To Fixing motor
To DC controller PCB
M2
Pickup motor
M1
Main motor
(2/24)

F-2-7

General Circuit Diagram (2/19)

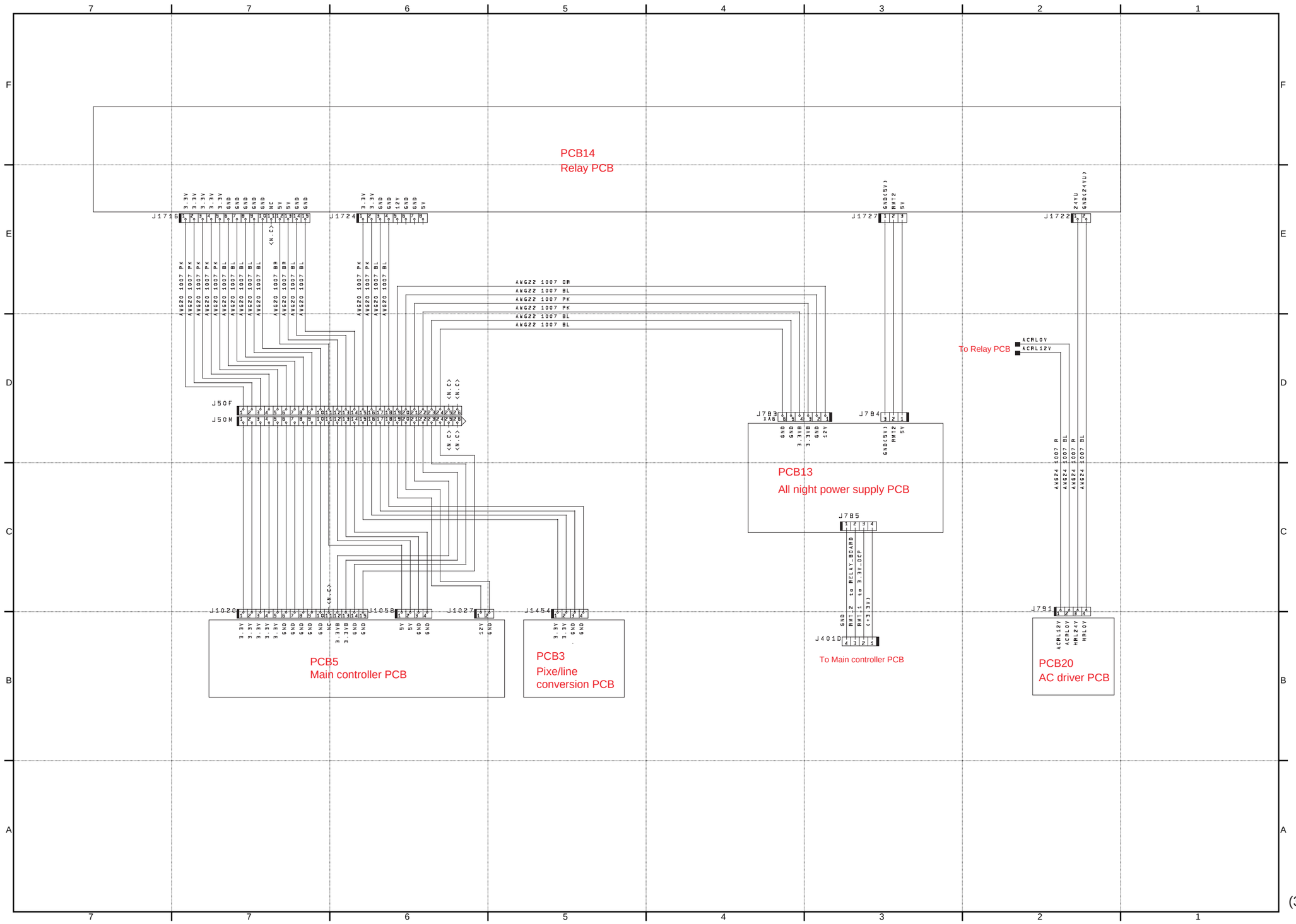
iR85+


PCB8
Laser driver PCB 2
PCB26
Laser scanner
motor driver PCB
PCB6
DC controller PCB
PCB14
Relay PCB
PCB10
DC power supply PCB
PCB11
HV-DC PCB
M0
Drum motor
M2
Pickup motor
M1
Main motor
SW2
Front cover switch
MSW5
Manual feed tray cover
open/closed detection switch
To Side
paperdeck
To DC
controller
PCB
To AC
driver PCB
To Fixing motor
To DC controller PCB
DC RELAY OUTPUR

(2/19)

F-2-8

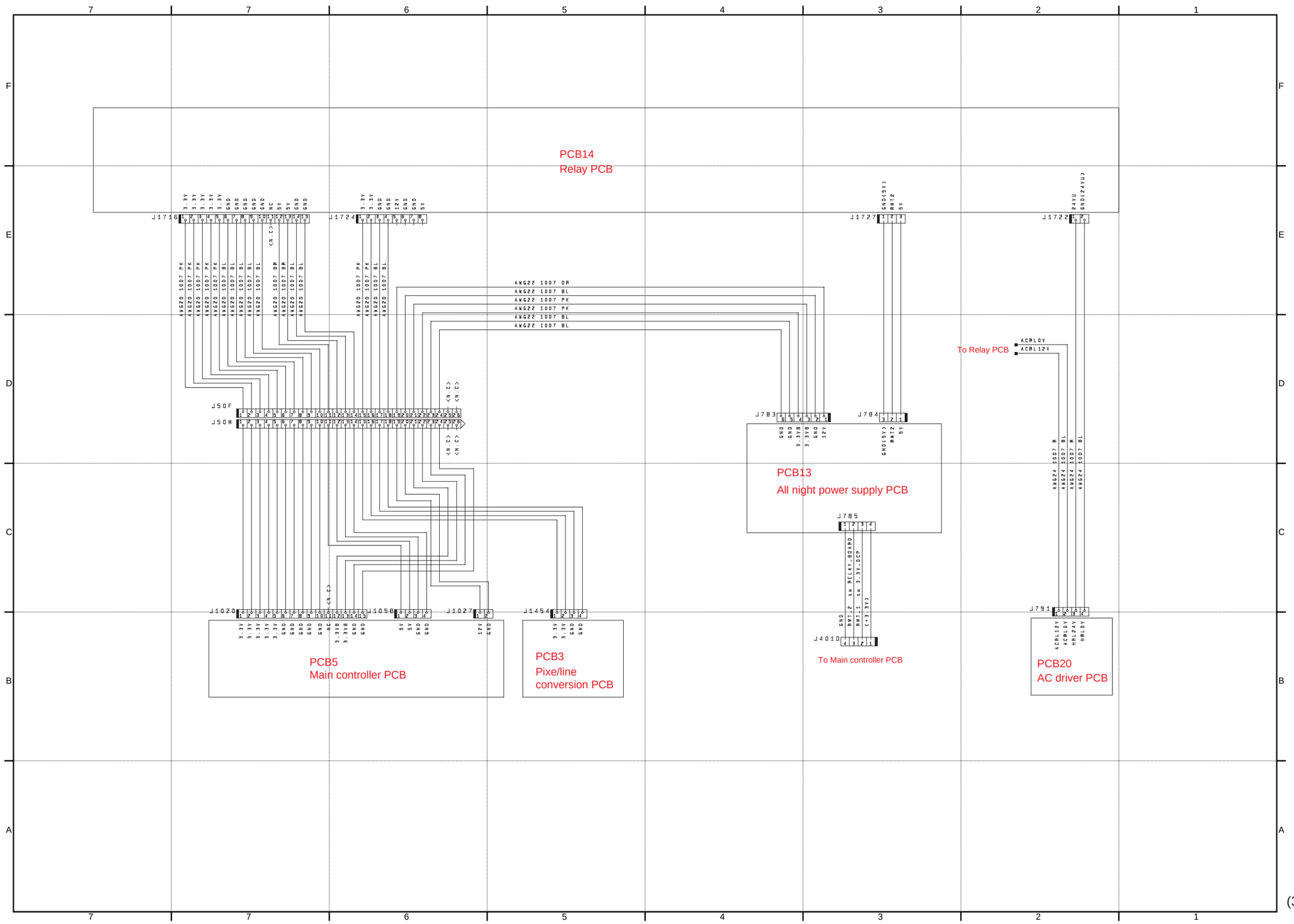
General Circuit Diagram (3/24)
iR105i/iR105+ / iR9070


PCB14
Relay PCB
PCB13
All night power supply PCB
PCB5
Main controller PCB
PCB3
Pixe/line
conversion PCB
PCB20
AC driver PCB
To Relay PCB
To Main controller PCB

(3/24)

F-2-9

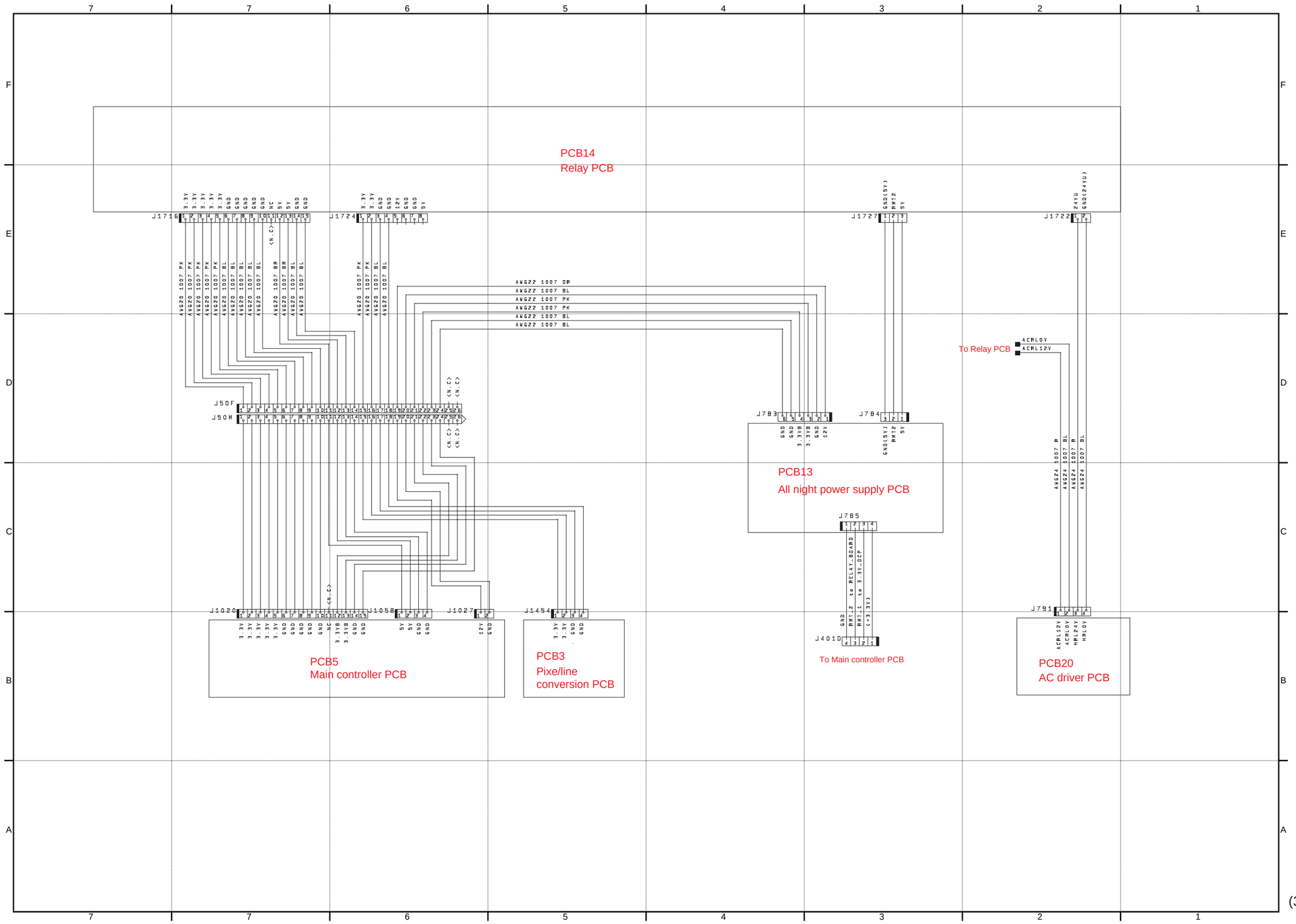
General Circuit Diagram (3/21)
/ iR8070


PCB14
Relay PCB
PCB13
All night power supply PCB
PCB5
Main controller PCB
PCB3
Pixe/line
conversion PCB
PCB20
AC driver PCB
To Relay PCB
To Main controller PCB

(3/21)

F-2-10

General Circuit Diagram (3/24)

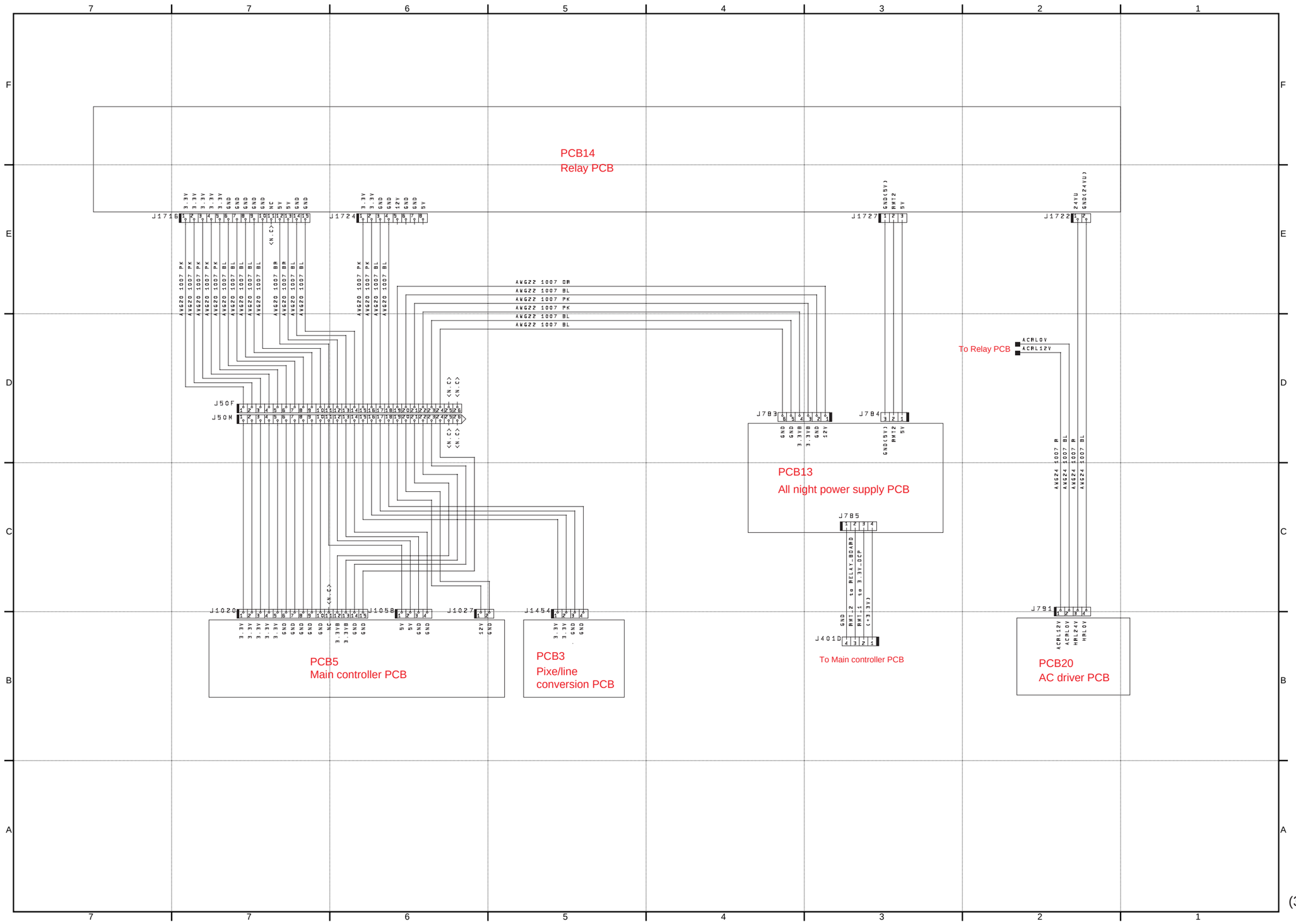

PCB14
Relay PCB
J1716
J1724
J1727
J1722
J50F
J50N
J783
J784
J785
J401D
J1020
J1058
J1027
J1454
J791
PCB13
All night power supply PCB
To Relay PCB
PCB5
Main controller PCB
PCB3
Pixe/line
conversion PCB
To Main controller PCB
PCB20
AC driver PCB

(3/24)

F-2-11

General Circuit Diagram (3/19)

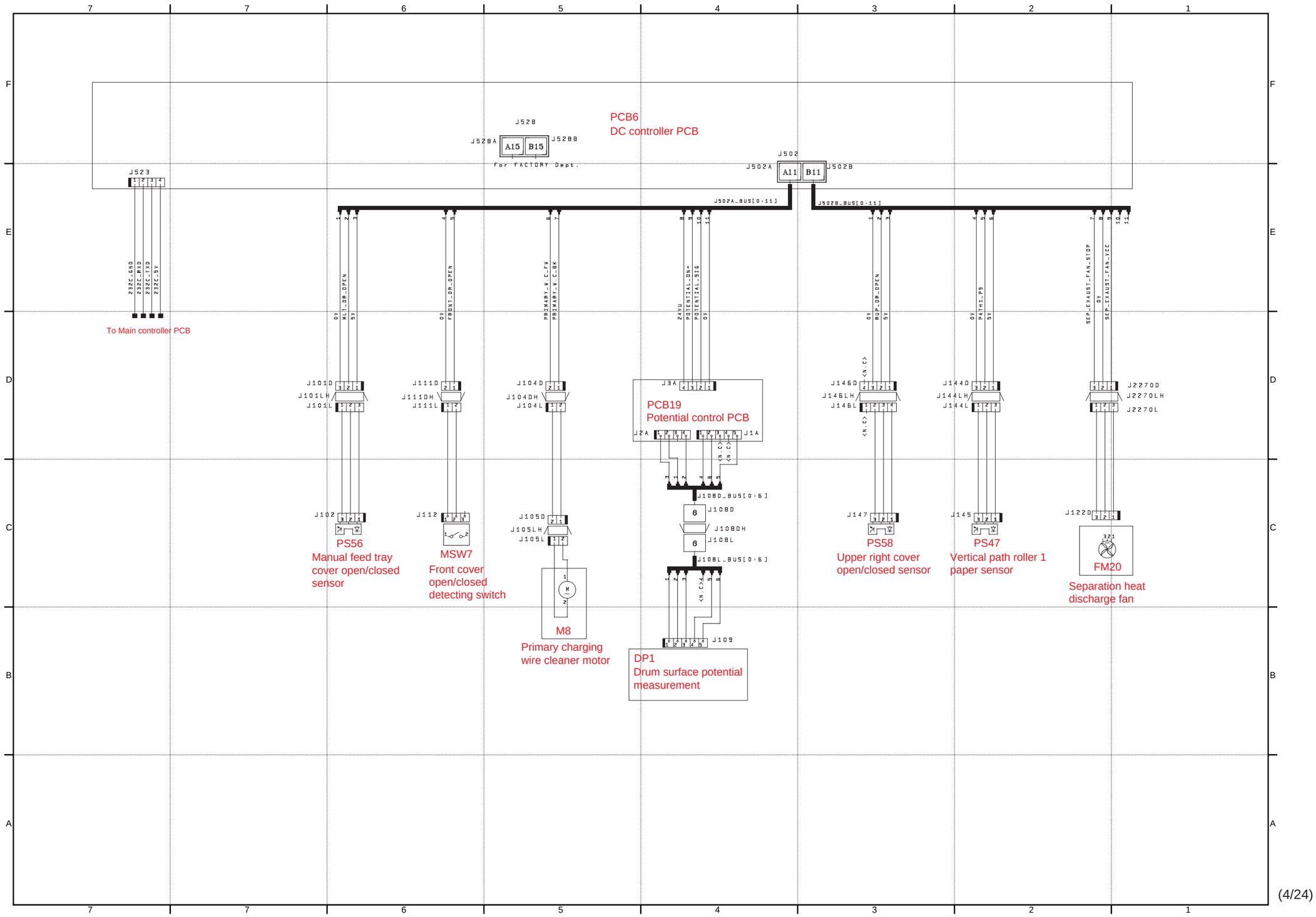
iR85+


PCB14
Relay PCB
J1716
J1724
J1727
J1722
J50F
J50N
J783
J784
J785
J401D
PCB13
All night power supply PCB
To Relay PCB
ACRL0V
ACRL12V
J1020
J1058
J1027
J1454
PCB5
Main controller PCB
PCB3
Pixe/line
conversion PCB
To Main controller PCB
J791
PCB20
AC driver PCB

(3/19)

F-2-12

General Circuit Diagram (4/24)
iR105i/iR105+ / iR9070


PCB6
DC controller PCB
J528
J528A
A15
B15
J528B
For FACTORY Dept.
J502
J502A
A11
B11
J502B
J502A_BUS[0:11]
J502B_BUS[0:11]
J523
232C_GND
232C_RXD
232C_TXD
232C_5V
To Main controller PCB
0V
MLT_DR_OPEN
5V
J101D
J101LH
J101L
J102
PS56
Manual feed tray cover open/closed sensor
0V
FRONT_DR_OPEN
J111D
J111DH
J111L
J112
MSW7
Front cover open/closed detecting switch
PRIMARY_W C_FW
PRIMARY_W C_BK
J104D
J104DH
J104L
J105D
J105LH
J105L
M8
Primary charging wire cleaner motor
24VU
POTENTIAL_DN*
POTENTIAL_SIG
0V
J3A
PCB19
Potential control PCB
J2A
J1A
J108D_BUS[0:6]
J108D
J108DH
J108L
J108L_BUS[0:6]
J109
DP1
Drum surface potential measurement
0V
RUP_DR_OPEN
5V
J146D
J146LH
J146L
J147
PS58
Upper right cover open/closed sensor
0V
PATH1_PS
5V
J144D
J144LH
J144L
J145
PS47
Vertical path roller 1 paper sensor
SEP_EXAUST_FAN_STOP
0V
SEP_EXAUST_FAN_VCC
J22700
J22700LH
J22700L
J122D
FM20
Separation heat discharge fan
7
6
5
4
3
2
1
A
B
C
D
E
F

(4/24)

F-2-13

General Circuit Diagram (4/21)
/ iR8070

PCB6
DC controller PCB

J502
J502A A15 B15 J502B

J523
232C_GND
232C_RXD
232C_TXD
232C_5V
To Main controller PCB

J502A_BUS[0:15]
J502B_BUS[0:15]

J101D
J101LH
J101L
0V
MLT_DR_OPEN
5V
J102
PS56
Manual feed tray cover open/closed sensor

J111D
J111DH
J111L
FRONT_DR_OPEN
MSW7
Front cover open/closed detecting switch

J104D
J104DH
J104L
PRIMARY_W.C_FW
PRIMARY_W.C_BK
J105D
J105LH
J105L
M8
Primary charging wire cleaner motor

J3A
24VB
POTENTIAL_ON
POTENTIAL_SIG
0V
PCB19
Potential control PCB
J2A
J1A
J108D_BUS[0:6]
J108D
J108DH
J108L
J108L_BUS[0:6]
J109
DP1
Drum surface potential measurement

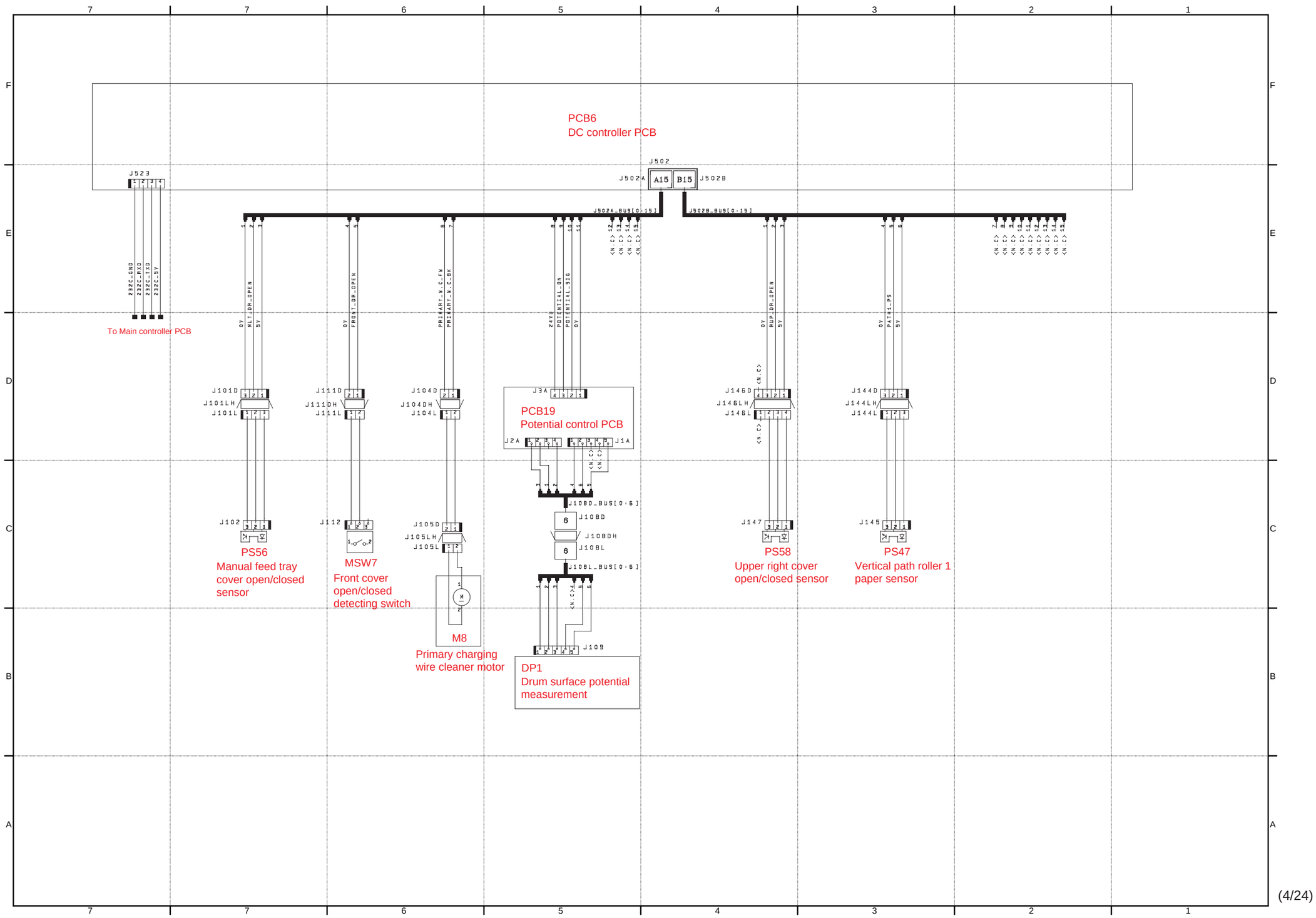
J146D
J146LH
J146L
0V
RUP_DR_OPEN
5V
J147
PS58
Upper right cover open/closed sensor

J144D
J144LH
J144L
0V
PATH1_PS
5V
J145
PS47
Vertical path roller 1 paper sensor

(4/21)

F-2-14

General Circuit Diagram (4/24)

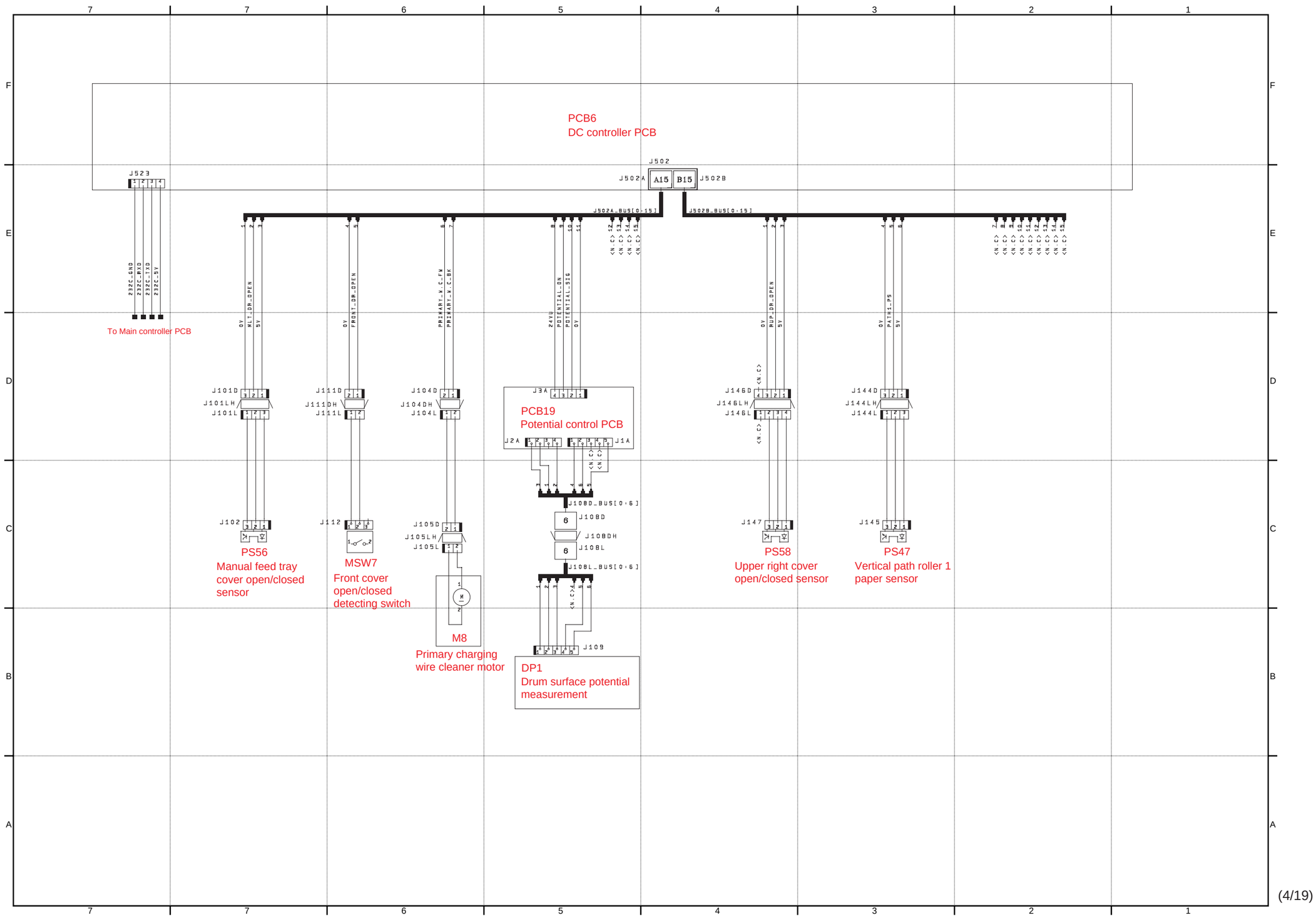

PCB6
DC controller PCB
J502
J502A
A15
B15
J502B
J523
J502A_BUS[0:15]
J502B_BUS[0:15]
232C_GND
232C_RXD
232C_TXD
232C_5V
To Main controller PCB
MLT_DR_OPEN
FRONT_DR_OPEN
PRIMARY_W.C_FW
PRIMARY_W.C_BK
POTENTIAL_DN
POTENTIAL_SIG
PUP_DR_OPEN
PATH1_PS
J101D
J101LH
J101L
J111D
J111DH
J111L
J104D
J104DH
J104L
J3A
J2A
J1A
PCB19
Potential control PCB
J146D
J146LH
J146L
J144D
J144LH
J144L
J102
PS56
Manual feed tray cover open/closed sensor
J112
MSW7
Front cover open/closed detecting switch
J105D
J105LH
J105L
M8
Primary charging wire cleaner motor
J108D_BUS[0:6]
J108D
J108DH
J108L
J108L_BUS[0:6]
J109
DP1
Drum surface potential measurement
J147
PS58
Upper right cover open/closed sensor
J145
PS47
Vertical path roller 1 paper sensor

(4/24)

F-2-15

General Circuit Diagram (4/19)

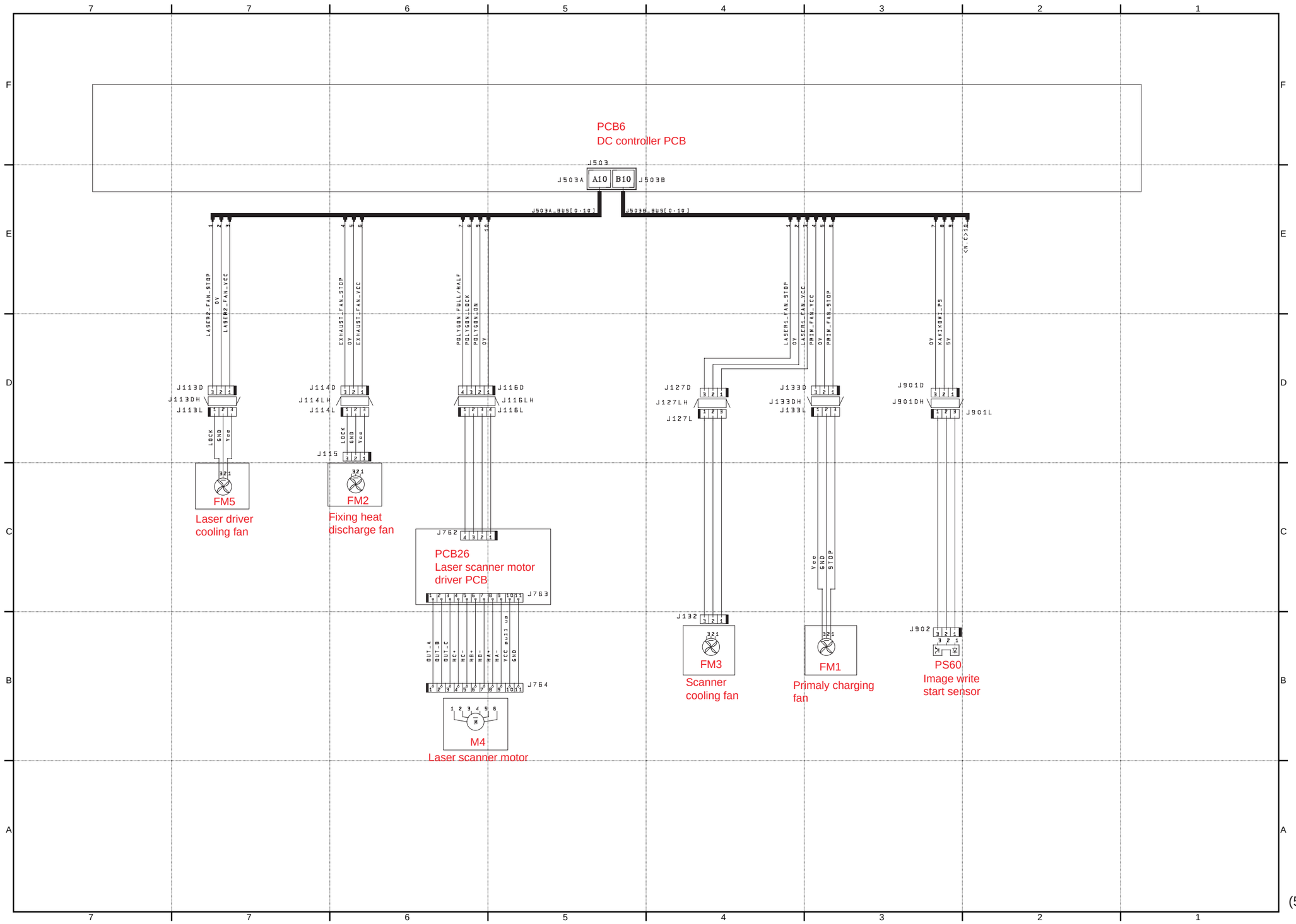
iR85+


PCB6
DC controller PCB
J502
J502A
A15
B15
J502B
J523
J502A_BUS[0:15]
J502B_BUS[0:15]
232C_GND
232C_RXD
232C_TXD
232C_5V
To Main controller PCB
MLT_DR_OPEN
FRONT_DR_OPEN
PRIMARY_W.C_FW
PRIMARY_W.C_BK
24VU
POTENTIAL_ON
POTENTIAL_SIG
MUP_DR_OPEN
PATH1_PS
J101D
J101LH
J101L
J111D
J111DH
J111L
J104D
J104DH
J104L
J3A
J2A
J1A
PCB19
Potential control PCB
J146D
J146LH
J146L
J144D
J144LH
J144L
J108D_BUS[0:6]
J108D
J108DH
J108L
J108L_BUS[0:6]
J102
J112
J105D
J105LH
J105L
J147
J145
PS56
Manual feed tray cover open/closed sensor
MSW7
Front cover open/closed detecting switch
M8
Primary charging wire cleaner motor
J109
DP1
Drum surface potential measurement
PS58
Upper right cover open/closed sensor
PS47
Vertical path roller 1 paper sensor

(4/19)

F-2-16

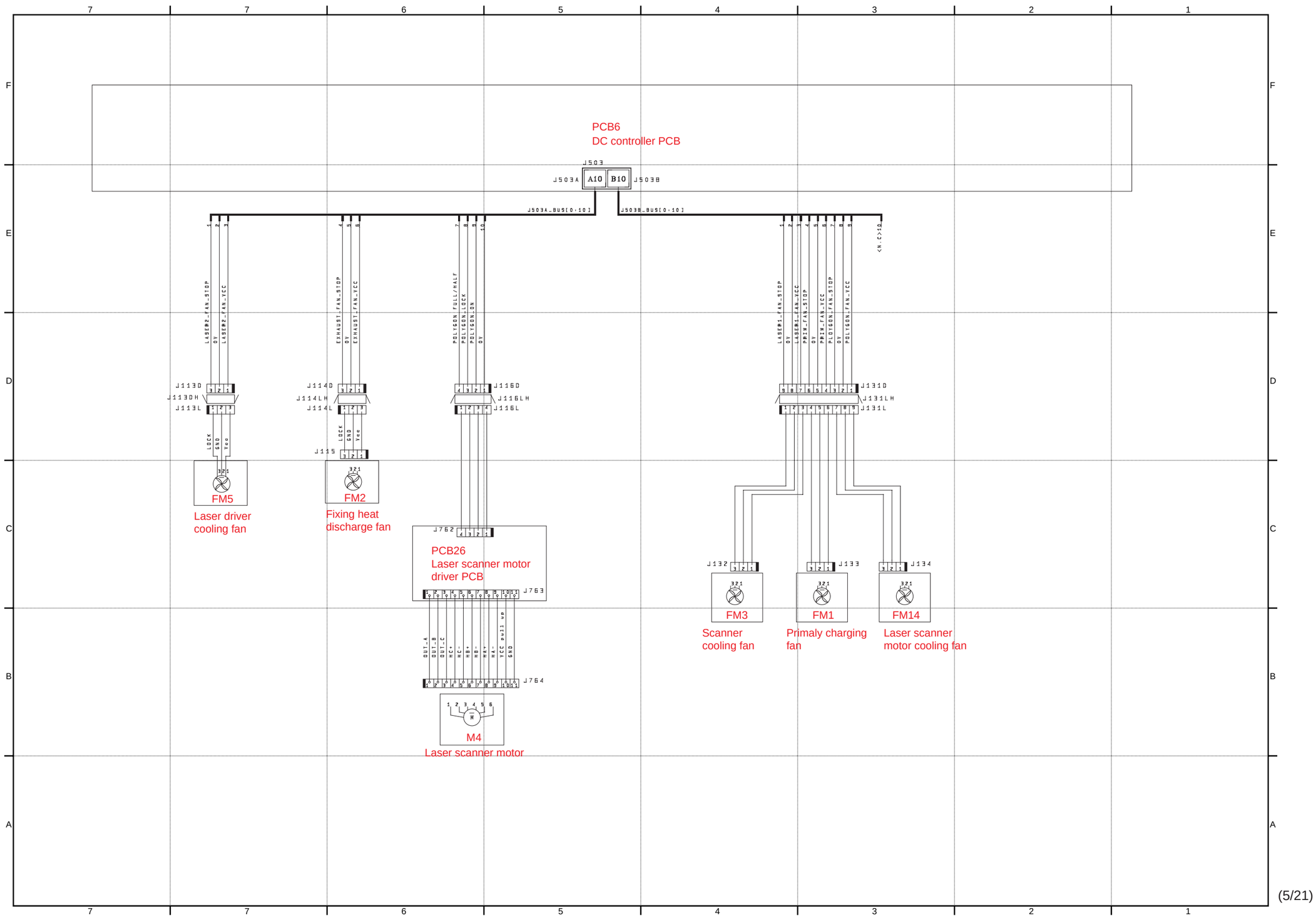
General Circuit Diagram (5/24)
iR105i/iR105+ / iR9070


PCB6
DC controller PCB
J503
J503A
A10
B10
J503B
J503A_BUS[0:10]
J503B_BUS[0:10]
LASER2_FAN_STOP
0V
LASER2_FAN_VCC
J113D
J113DH
J113L
LOCK
GND
Vcc
FM5
Laser driver cooling fan
EXHAUST_FAN_STOP
0V
EXHAUST_FAN_VCC
J114D
J114LH
J114L
J115
FM2
Fixing heat discharge fan
POLYGON_FULL/HALF
POLYGON_LOCK
POLYGON_DN
0V
J116D
J116LH
J116L
J762
PCB26
Laser scanner motor driver PCB
J763
J764
OUT-A
OUT-B
OUT-C
NC+
NC-
NB+
NB-
NA+
NA-
VCC
GND
M4
Laser scanner motor
LASER1_FAN_STOP
0V
LASER1_FAN_VCC
PRIM_FAN_VCC
0V
PRIM_FAN_STOP
J127D
J127LH
J127L
J133D
J133DH
J133L
J132
FM3
Scanner cooling fan
Vcc
GND
STOP
FM1
Primaly charging fan
0V
KAKIKOMI_PS
5V
J901D
J901DH
J901L
J902
PS60
Image write start sensor

(5/24)

F-2-17

General Circuit Diagram (5/21)
/ iR8070


PCB6
DC controller PCB
J503
J503A
A10
B10
J503B
J503A_BUS[0:10]
J503B_BUS[0:10]
LASER2_FAN_STOP
0V
LASER2_FAN_VCC
J113D
J113DH
J113L
LOCK
GND
Vcc
FM5
Laser driver cooling fan
EXHAUST_FAN_STOP
0V
EXHAUST_FAN_VCC
J114D
J114LH
J114L
J115
LOCK
GND
Vcc
FM2
Fixing heat discharge fan
POLYGON_FULL/HALF
POLYGON_LOCK
POLYGON_DN
0V
J116D
J116LH
J116L
J762
PCB26
Laser scanner motor driver PCB
J763
J764
OUT_A
OUT_B
OUT_C
HC+
HC-
HB+
HB-
HA+
HA-
VCC
GND
M4
Laser scanner motor
LASER1_FAN_STOP
0V
LASER1_FAN_VCC
PRIM_FAN_STOP
0V
PRIM_FAN_VCC
PLOYGON_FAN_STOP
0V
POLYGON_FAN_VCC
J131D
J131LH
J131L
J132
J133
J134
FM3
Scanner cooling fan
FM1
Primaly charging fan
FM14
Laser scanner motor cooling fan

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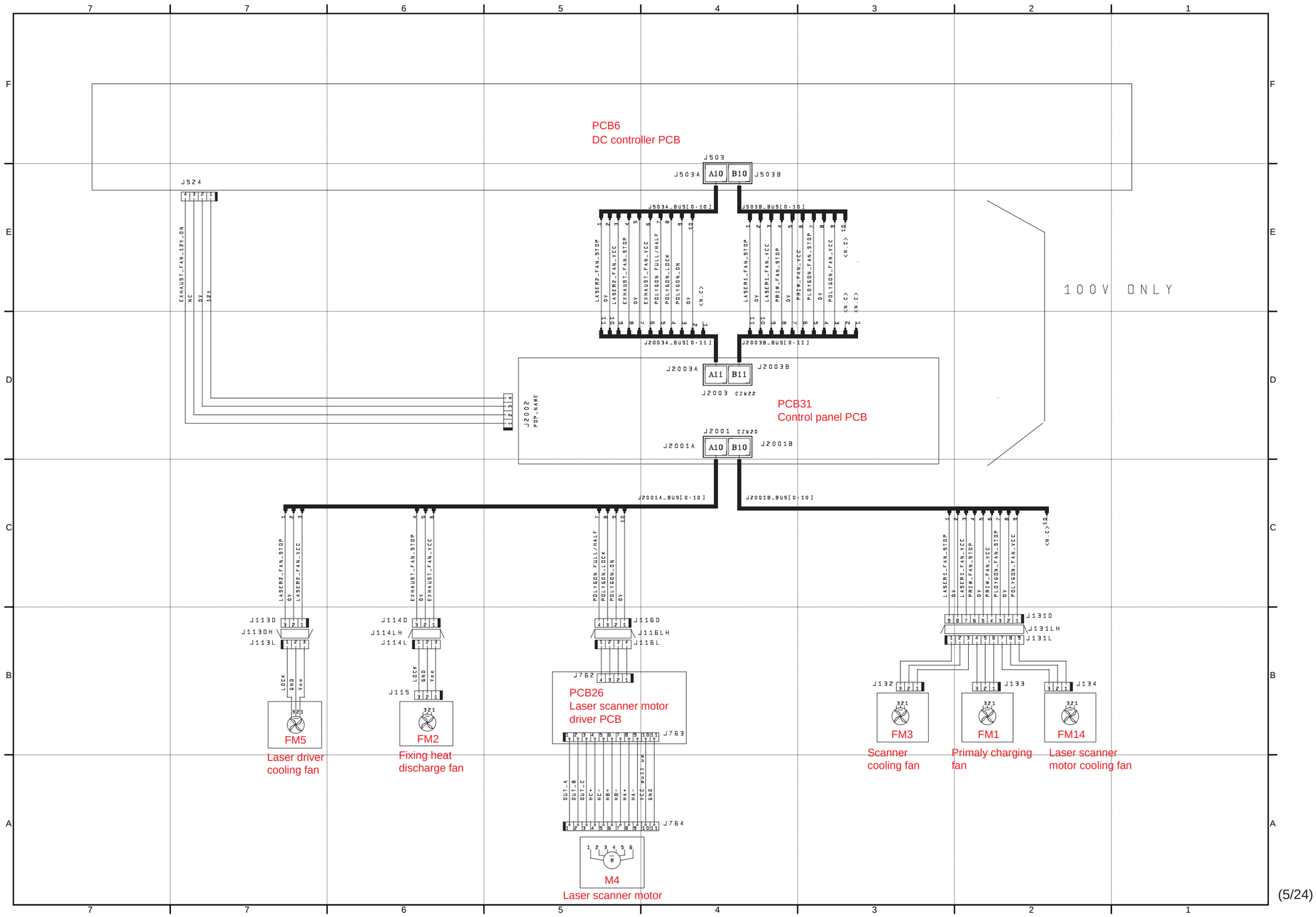
F-2-18

General Circuit Diagram (5/24)

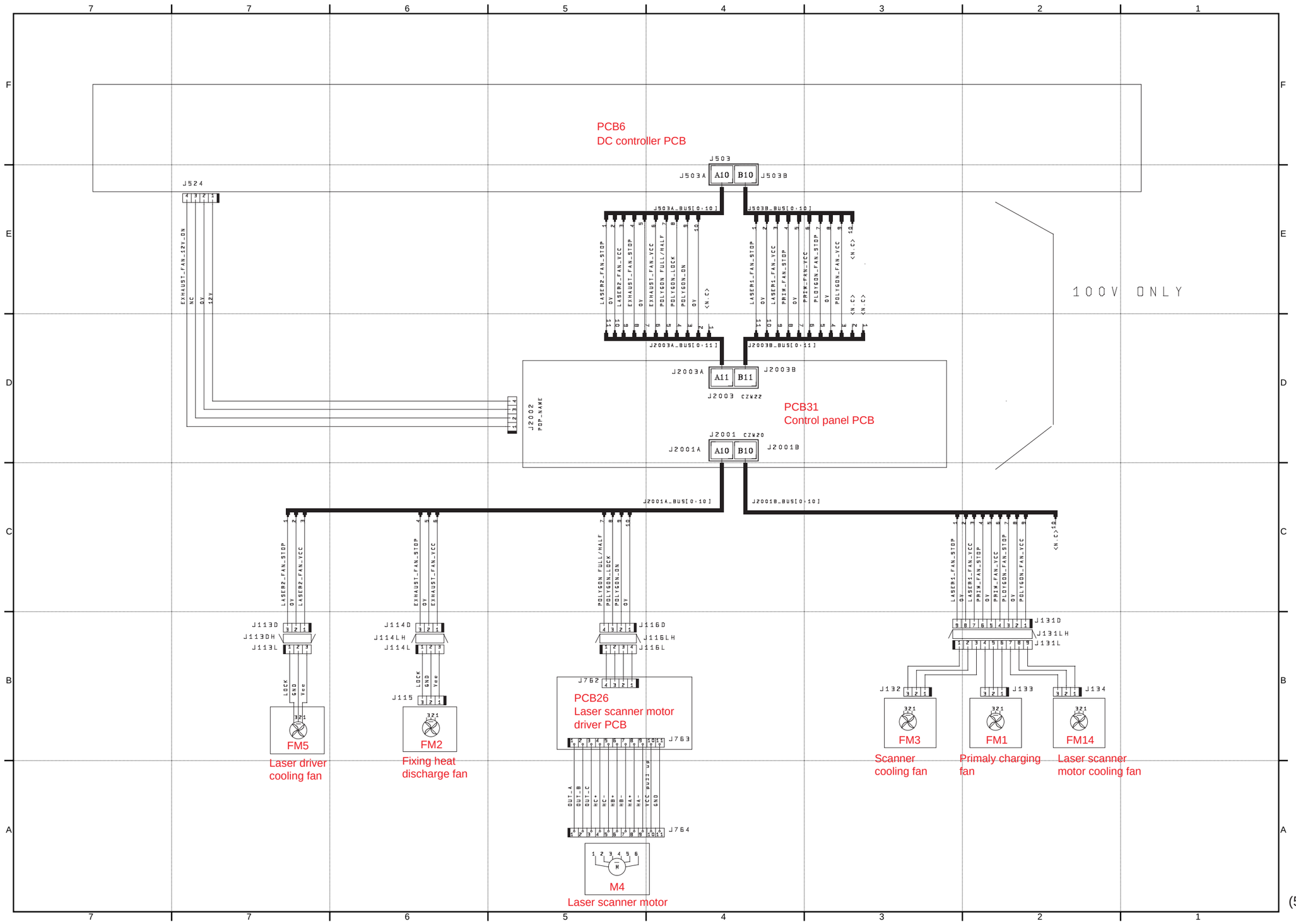

PCB6
DC controller PCB
J503
J503A
A10
B10
J503B
J524
EXHAUST_FAN_12V_ON
NC
0V
12V
J503A_BUS[0:10]
J503B_BUS[0:10]
LASER2_FAN_STOP
0V
LASER2_FAN_VCC
EXHAUST_FAN_STOP
0V
EXHAUST_FAN_VCC
POLYGON_FULL/HALF
POLYGON_LOCK
POLYGON_ON
0V
<N.C>
LASER1_FAN_STOP
0V
LASER1_FAN_VCC
PRIM_FAN_STOP
0V
PRIM_FAN_VCC
POLYGON_FAN_STOP
0V
POLYGON_FAN_VCC
<N.C>
<N.C>
J2003A_BUS[0:11]
J2003B_BUS[0:11]
J2003A
A11
B11
J2003B
J2003 CZW22
J2002
PBP_NAME
PCB31
Control panel PCB
J2001 CZW20
J2001A
A10
B10
J2001B
J2001A_BUS[0:10]
J2001B_BUS[0:10]
LASER2_FAN_STOP
0V
LASER2_FAN_VCC
EXHAUST_FAN_STOP
0V
EXHAUST_FAN_VCC
POLYGON_FULL/HALF
POLYGON_LOCK
POLYGON_ON
0V
LASER1_FAN_STOP
0V
LASER1_FAN_VCC
PRIM_FAN_STOP
0V
PRIM_FAN_VCC
POLYGON_FAN_STOP
0V
POLYGON_FAN_VCC
<N.C>
J1130
J1130H
J1130L
LOCK
GND
Vcc
FM5
Laser driver cooling fan
J1140
J1140H
J1140L
LOCK
GND
Vcc
J115
FM2
Fixing heat discharge fan
J1160
J1160H
J1160L
J762
PCB26
Laser scanner motor driver PCB
J763
OUT_A
OUT_B
OUT_C
HC-
HC+
HB-
HB+
HA-
HA+
VCC
BUSY
GND
J764
M
M4
Laser scanner motor
J1310
J1310H
J1310L
J132
FM3
Scanner cooling fan
J133
FM1
Primaly charging fan
J134
FM14
Laser scanner motor cooling fan
100V ONLY

(5/24)

F-2-19

General Circuit Diagram (5/19)

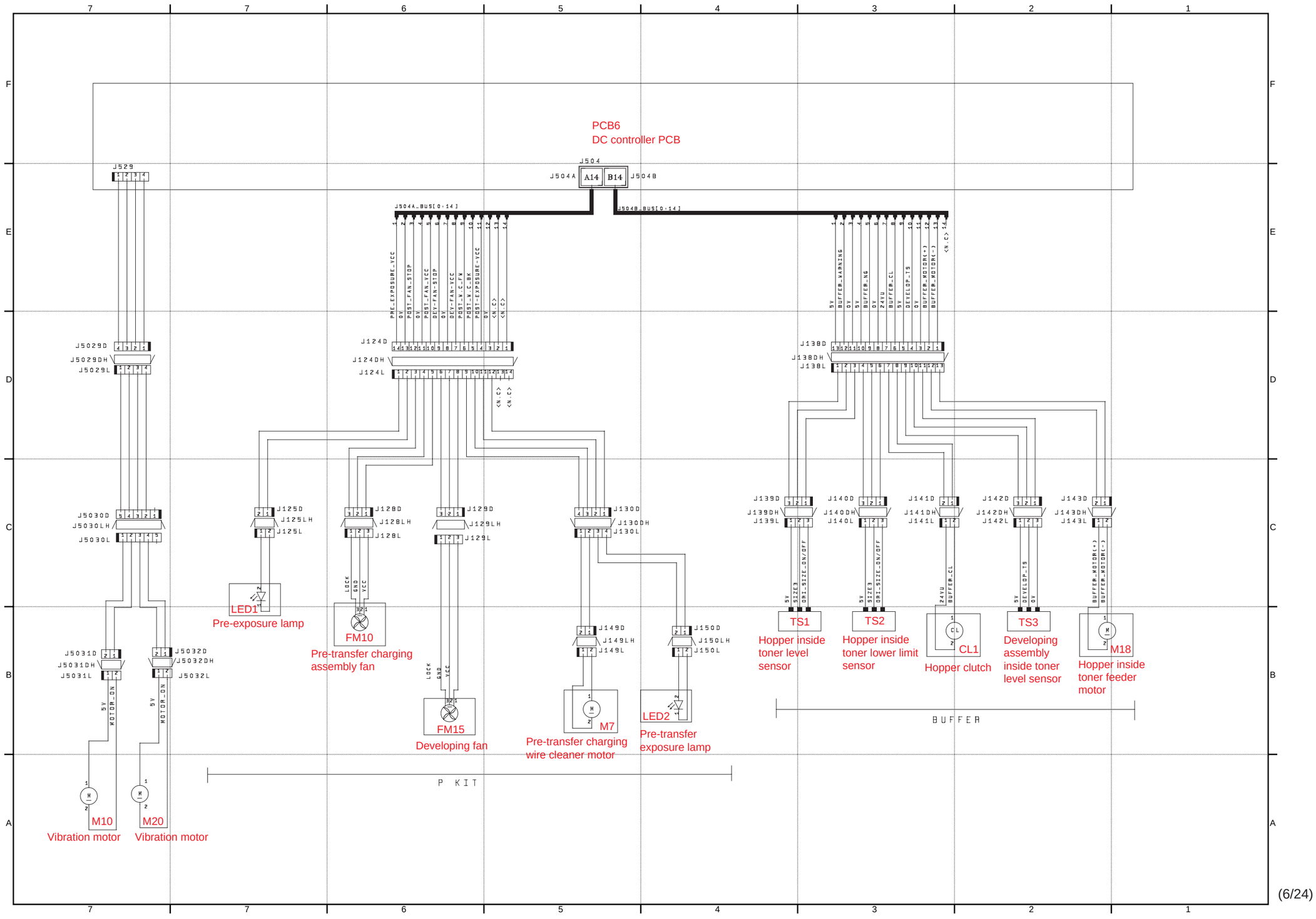
iR85+


PCB6
DC controller PCB
J503
J503A
A10
B10
J503B
J524
EXHAUST_FAN_12V_ON
NC
0V
12V
J503A_BUS[0:10]
J503B_BUS[0:10]
LASER2_FAN_STOP
0V
LASER2_FAN_VCC
EXHAUST_FAN_STOP
0V
EXHAUST_FAN_VCC
POLYGON_FULL/HALF
POLYGON_LOCK
POLYGON_ON
0V
<N.C>
LASER1_FAN_STOP
0V
LASER1_FAN_VCC
PRIM_FAN_STOP
0V
PRIM_FAN_VCC
POLYGON_FAN_STOP
0V
POLYGON_FAN_VCC
<N.C>
<N.C>
J2003A_BUS[0:11]
J2003B_BUS[0:11]
J2003A
A11
B11
J2003B
J2003 CZW22
J2002
PBP_NAME
PCB31
Control panel PCB
J2001 CZW20
J2001A
A10
B10
J2001B
J2001A_BUS[0:10]
J2001B_BUS[0:10]
LASER2_FAN_STOP
0V
LASER2_FAN_VCC
EXHAUST_FAN_STOP
0V
EXHAUST_FAN_VCC
POLYGON_FULL/HALF
POLYGON_LOCK
POLYGON_ON
0V
LASER1_FAN_STOP
0V
LASER1_FAN_VCC
PRIM_FAN_STOP
0V
PRIM_FAN_VCC
POLYGON_FAN_STOP
0V
POLYGON_FAN_VCC
<N.C>
J1130
J1130H
J1130L
LOCK
GND
Vcc
FM5
Laser driver cooling fan
J1140
J1140H
J1140L
LOCK
GND
Vcc
J115
FM2
Fixing heat discharge fan
J1160
J1160H
J1160L
J762
PCB26
Laser scanner motor driver PCB
J763
J764
OUT_A
OUT_B
OUT_C
HC-
HC+
HB-
HB+
HA-
HA+
VCC
BUSY
GND
M
M4
Laser scanner motor
J1310
J1310H
J1310L
J132
FM3
Scanner cooling fan
J133
FM1
Primaly charging fan
J134
FM14
Laser scanner motor cooling fan
100V ONLY

(5/19)

F-2-20

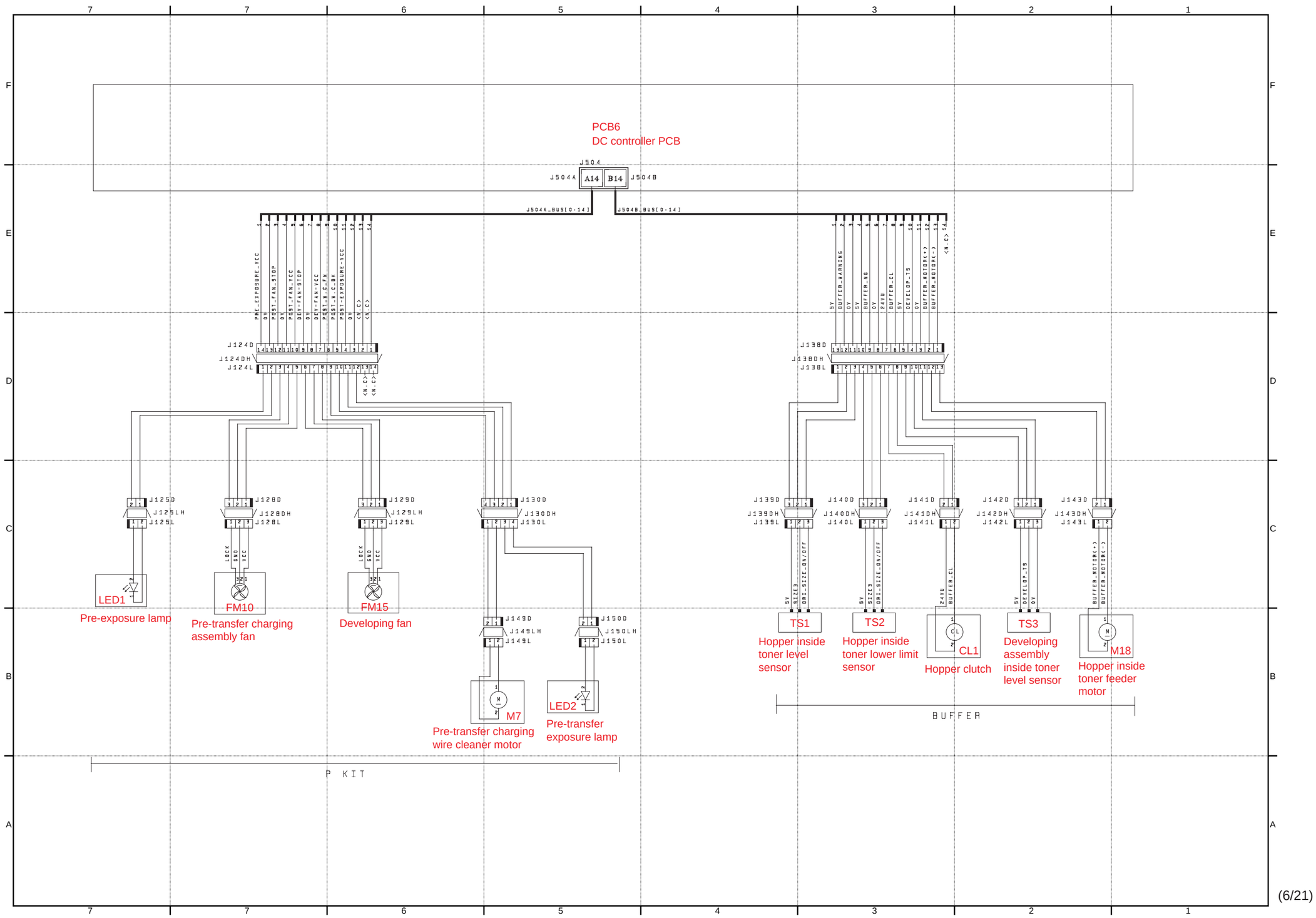
General Circuit Diagram (6/24)
iR105i/iR105+ / iR9070


PCB6
DC controller PCB
J504
J504A
A14
B14
J504B
J504A_BUS[0:14]
J504B_BUS[0:14]
J529
J5029D
J5029DH
J5029L
J5030D
J5030LH
J5030L
J5031D
J5031DH
J5031L
J5032D
J5032DH
J5032L
M10
Vibration motor
M20
Vibration motor
J125D
J125LH
J125L
LED1
Pre-exposure lamp
J128D
J128LH
J128L
FM10
Pre-transfer charging assembly fan
J129D
J129LH
J129L
FM15
Developing fan
J130D
J130DH
J130L
J149D
J149LH
J149L
M7
Pre-transfer charging wire cleaner motor
J150D
J150LH
J150L
LED2
Pre-transfer exposure lamp
J124D
J124DH
J124L
J138D
J138DH
J138L
J139D
J139DH
J139L
TS1
Hopper inside toner level sensor
J140D
J140DH
J140L
TS2
Hopper inside toner lower limit sensor
J141D
J141DH
J141L
CL1
Hopper clutch
J142D
J142DH
J142L
TS3
Developing assembly inside toner level sensor
J143D
J143DH
J143L
M18
Hopper inside toner feeder motor
P KIT
BUFFER

(6/24)

F-2-21

General Circuit Diagram (6/21)
/ iR8070


PCB6
DC controller PCB
J504
J504A
A14
B14
J504B
J504A_BUS[0-14]
J504B_BUS[0-14]
PRE-EXPOSURE-VCC
0V
POST-FAN-STOP
0V
POST-FAN-VCC
DEV-FAN-STOP
0V
DEV-FAN-VCC
POST-W.C-FW
POST-W.C-BK
POST-EXPOSURE-VCC
0V
<N.C>
<N.C>
J124D
J124DH
J124L
<N.C>
<N.C>
5V
BUFFER-WARNING
0V
5V
BUFFER-NS
0V
24VU
BUFFER-CL
5V
DEVELOP-TS
0V
BUFFER-MOTOR(+)
BUFFER-MOTOR(-)
<N.C>
J138D
J138DH
J138L
J125D
J125LH
J125L
J128D
J128DH
J128L
J129D
J129LH
J129L
J130D
J130DH
J130L
J139D
J139DH
J139L
J140D
J140DH
J140L
J141D
J141DH
J141L
J142D
J142DH
J142L
J143D
J143DH
J143L
LOCK
GND
VCC
LOCK
GND
VCC
5V
SIZE3
ORI-SIZE-ON/OFF
5V
SIZE3
ORI-SIZE-ON/OFF
24VU
BUFFER-CL
5V
DEVELOP-TS
0V
BUFFER-MOTOR(+)
BUFFER-MOTOR(-)
LED1
Pre-exposure lamp
FM10
Pre-transfer charging assembly fan
FM15
Developing fan
J149D
J149LH
J149L
J150D
J150LH
J150L
M7
Pre-transfer charging wire cleaner motor
LED2
Pre-transfer exposure lamp
TS1
Hopper inside toner level sensor
TS2
Hopper inside toner lower limit sensor
CL1
Hopper clutch
TS3
Developing assembly inside toner level sensor
M18
Hopper inside toner feeder motor
BUFFER
P KIT

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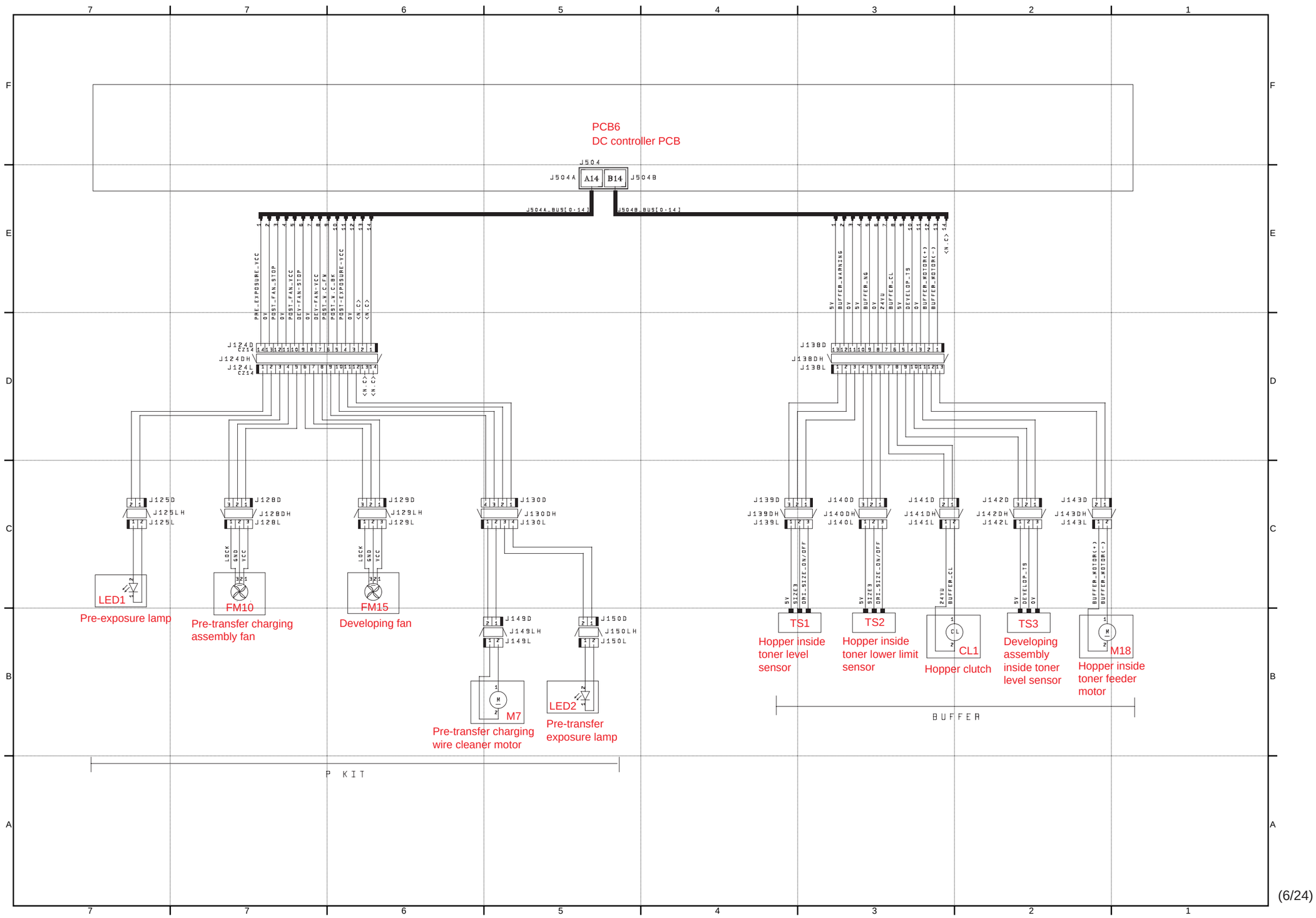
F-2-22

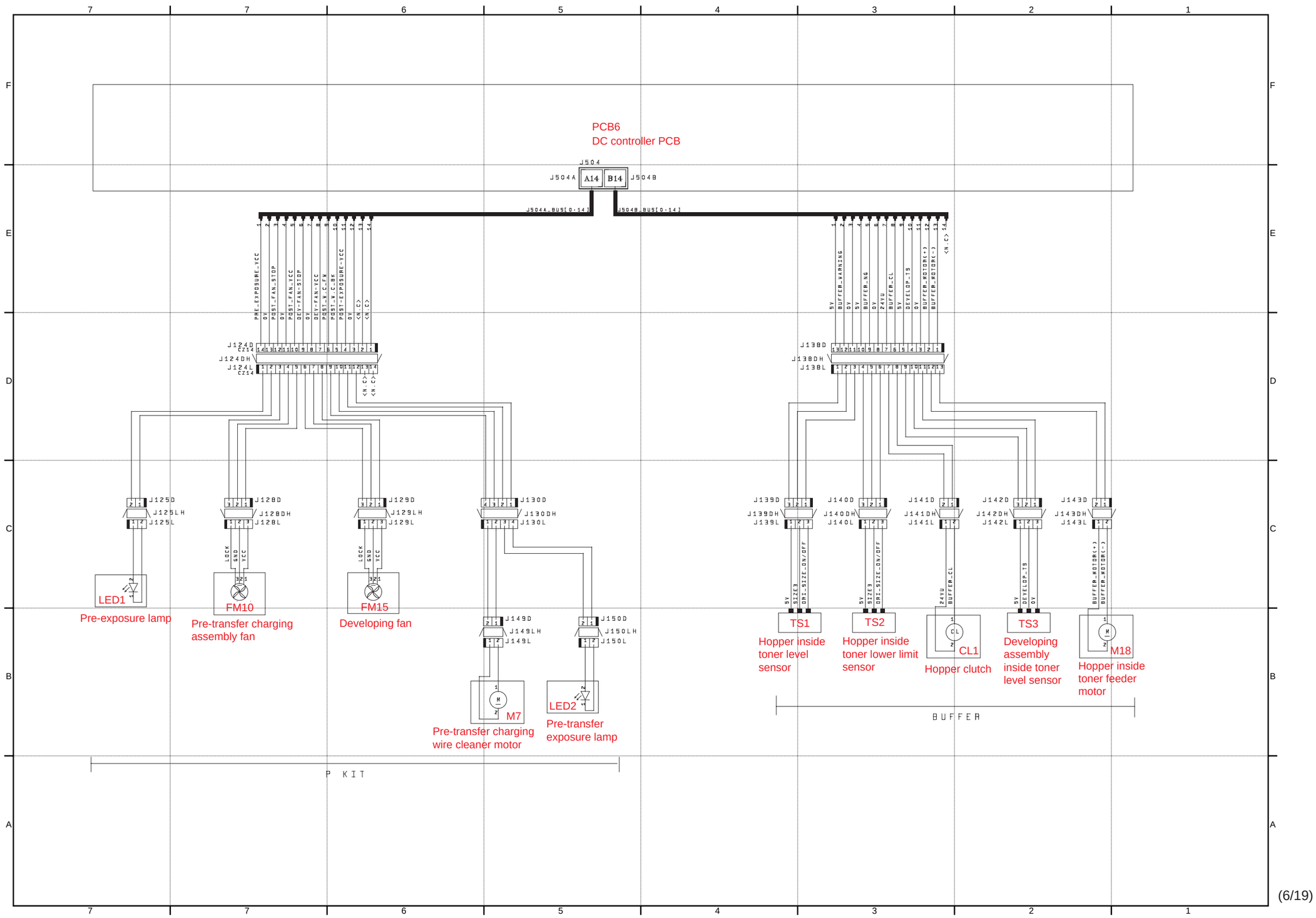
General Circuit Diagram (6/24)


PCB6
DC controller PCB
J504
J504A
A14
B14
J504B
J504A_BUS[0:14]
J504B_BUS[0:14]
PRE-EXPOSURE-VCC
0V
POST-FAN-STOP
0V
POST-FAN-VCC
DEV-FAN-STOP
0V
DEV-FAN-VCC
POST-W.C-FW
POST-W.C-BK
POST-EXPOSURE-VCC
0V
<N.C>
<N.C>
J124D
CZ14
J124DH
J124L
CZ14
<N.C>
<N.C>
5V
BUFFER-WARNING
0V
5V
BUFFER-NS
0V
24VU
BUFFER-CL
5V
DEVELOP-TS
0V
BUFFER-MOTOR(+)
BUFFER-MOTOR(-)
<N.C>
J138D
J138DH
J138L
J125D
J125LH
J125L
J128D
J128DH
J128L
J129D
J129LH
J129L
J130D
J130DH
J130L
J139D
J139DH
J139L
J140D
J140DH
J140L
J141D
J141DH
J141L
J142D
J142DH
J142L
J143D
J143DH
J143L
LOCK
GND
VCC
LOCK
GND
VCC
5V
SIZE3
DRI-SIZE-ON/OFF
5V
SIZE3
DRI-SIZE-ON/OFF
24VU
BUFFER-CL
5V
DEVELOP-TS
0V
BUFFER-MOTOR(+)
BUFFER-MOTOR(-)
LED1
Pre-exposure lamp
FM10
Pre-transfer charging assembly fan
FM15
Developing fan
J149D
J149LH
J149L
J150D
J150LH
J150L
M7
Pre-transfer charging wire cleaner motor
LED2
Pre-transfer exposure lamp
TS1
Hopper inside toner level sensor
TS2
Hopper inside toner lower limit sensor
CL1
Hopper clutch
TS3
Developing assembly inside toner level sensor
M18
Hopper inside toner feeder motor
BUFFER
P KIT
(6/24)

F-2-23

General Circuit Diagram (6/19)

iR85+


PCB6
DC controller PCB
J504
J504A
A14
B14
J504B
J504A_BUS[0:14]
J504B_BUS[0:14]
PRE-EXPOSURE-VCC
0V
POST-FAN-STOP
5V
POST-FAN-VCC
DEV-FAN-STOP
0V
DEV-FAN-VCC
POST-W.C-FW
POST-W.C-BK
POST-EXPOSURE-VCC
0V
<N.C>
<N.C>
J124D
CZ14
J124DH
J124L
CZ14
<N.C>
<N.C>
5V
BUFFER-WARNING
0V
5V
BUFFER-NS
0V
24VU
BUFFER-CL
5V
DEVELOP-TS
0V
BUFFER-MOTOR(+)
BUFFER-MOTOR(-)
<N.C>
J138D
J138DH
J138L
J125D
J125LH
J125L
J128D
J128DH
J128L
J129D
J129LH
J129L
J130D
J130DH
J130L
J139D
J139DH
J139L
J140D
J140DH
J140L
J141D
J141DH
J141L
J142D
J142DH
J142L
J143D
J143DH
J143L
LOCK
GND
VCC
LOCK
GND
VCC
5V
SIZE3
DRI-SIZE-ON/OFF
5V
SIZE3
DRI-SIZE-ON/OFF
24VU
BUFFER-CL
5V
DEVELOP-TS
0V
BUFFER-MOTOR(+)
BUFFER-MOTOR(-)
LED1
Pre-exposure lamp
FM10
Pre-transfer charging assembly fan
FM15
Developing fan
J149D
J149LH
J149L
J150D
J150LH
J150L
M7
Pre-transfer charging wire cleaner motor
LED2
Pre-transfer exposure lamp
TS1
Hopper inside toner level sensor
TS2
Hopper inside toner lower limit sensor
CL1
Hopper clutch
TS3
Developing assembly inside toner level sensor
M18
Hopper inside toner feeder motor
BUFFER
P KIT
7
7
6
5
4
3
2
1
F
E
D
C
B
A

(6/19)

F-2-24

General Circuit Diagram (7/24)
iR105i/iR105+ / iR9070

PCB6
DC controller PCB

J505
J505A A16 B16 J505B

J505A_BUS[0:16]
J505B_BUS[0:16]

FIN_CONNECT
24V
0V
FIN_R>D
FIN_T>D

CST-HEATER-ON
DUP-HEATER-ON
0V
MAIN-HEATER-DTC
MAIN-HEATER-ON
0V
SUB-HEATER-ON
SUB-HEATER-DTC
ZEROCROSS
0V

J792
XR12

PCB21
AC driver sub PCB

DCP_FAN1_STOP
0V
DCP_FAN1_VCC
DCP_FAN2_STOP
0V
DCP_FAN2_VCC

J155D
J155LH
J155L

LOCK
GND
Vcc

J156
J157

FM11
FM12

Power supply cooling fan 1
Power supply cooling fan 2

0V
18V
3BVERA
24VERA
RELAY_ON
N.C
SHORT_DTC
DOOR_OPEN
EXIT_FAN1_ON
EXIT_FAN1_LOCK

J1719

PCB14
Relay PCB

J1728

EXIT_FAN1_VCC
0V
EXIT_FAN1_LOCK

J118D
J118DH
J118L

Vcc
GND
LOCK

FM17
Delivery adhesion-proofing fan

J151D
POWER COND MOUNT
J151LH
J151L

J4BL
J4BLH
To Relay PCB

0V
24VU
0V
FIN_R>D
FIN_T>D
<12VU>
<5VU>
<N.C>
<N.C>

J152
J152A
J152B W12 BB
J152C 4C
LATTICE

To Finisher

(7/24)

F-2-25

General Circuit Diagram (7/21)
/ iR8070

PCB6
DC controller PCB

J505
J505A A17 B17 J505B

J505A_BUS[0:17]
J505B_BUS[0:17]

FIN_CONNECT
24V
0V
FIN_R+D
FIN_T+D

CST-HEATER-ON
DUM-HEATER-ON
0V
MAIN-HEATER-DTC
MAIN-HEATER-ON
0V
SUB-HEATER-ON
SUB-HEATER-DTC
ZEROCROSS
0V
100V/200V

J792
PCB21
AC driver sub PCB

DCP_FAN1_STOP
0V
DCP_FAN1_VCC
DCP_FAN2_STOP
0V
DCP_FAN2_VCC

J155D
J155LH
J155L
LOCK
GND
Vcc
J156
J157
FM11
FM12
Power supply cooling fan 1
Power supply cooling fan 2

0V
18V
30VERA
24VERA
RELAY_OFF
N.C
SHORT-DTC
DOOR_OPEN
EXIT-FAN1-ON
EXIT-FAN1-LOCK
<N.C>

J1719
PCB14
Relay PCB

J1728
EXIT-FAN1_VCC
0V
EXIT-FAN1_LOCK
J1180
J1180H
J1180L
Vcc
GND
LOCK
FM17
Delivery adhesion-proofing fan

J151D
POWER COND MOUNT
J151LH
J151L
J48L
XM2
To Relay PCB
J48LH
0V
24VU
0V
FIN_R+D
FIN_T+D
<12VU>
<0VU>
<N.C>
<N.C>
J152B MI2 8B
J152C 4C
J152
LATTICE
J152A
To Finisher

(7/21)

F-2-26

General Circuit Diagram (7/24)

PCB6
DC controller PCB

J505
J505A A17 B17 J505B
J505A_BUS[0:17]
J505B_BUS[0:17]

FIN_CONNECT
24V
0V
FIN_R×D
FIN_T×D
J151D
POWER CORD MOUNT
J151LH
J151L
J48L
J48LH
To Relay PCB
0V
24VU
0V
FIN_R×D
FIN_T×D
<12VU>
<0VU>
<N.C>
<N.C>
J152
J152A
NI2-7
J152B NI2 8B
J152C 4C
LATTICE
To Finisher

CST-HEATER-DN
DRUM-HEATER-DN
0V
0V
MAIN-HEATER-DTC
MAIN-HEATER-DN
0V
SUB-HEATER-DN
SUB-HEATER-DTC
ZEROCROSS
0V
100V/200V
J792
PCB21
AC driver sub PCB

DCP_FAN1_STOP
0V
DCP_FAN1_VCC
DCP_FAN2_STOP
0V
DCP_FAN2_VCC
J155D
J155LH
J155L
LOCK
GND
Vcc
J156
J157
FM11
FM12
Power supply cooling fan 1
Power supply cooling fan 2

0V
24V
24VFAN
24VFAN
RELAY_OFF
N.C
SHORT_DTC
DOOR_OPEN
EXIT_FAN1_ON
EXIT_FAN1_LOCK
J1719
PCB14
Relay PCB
J172B
EXIT_FAN1_VCC
0V
EXIT_FAN1_LOCK
J118D
J118DH
J118L
Vcc
GND
LOCK
FM17
Delivery adhesion-proofing fan

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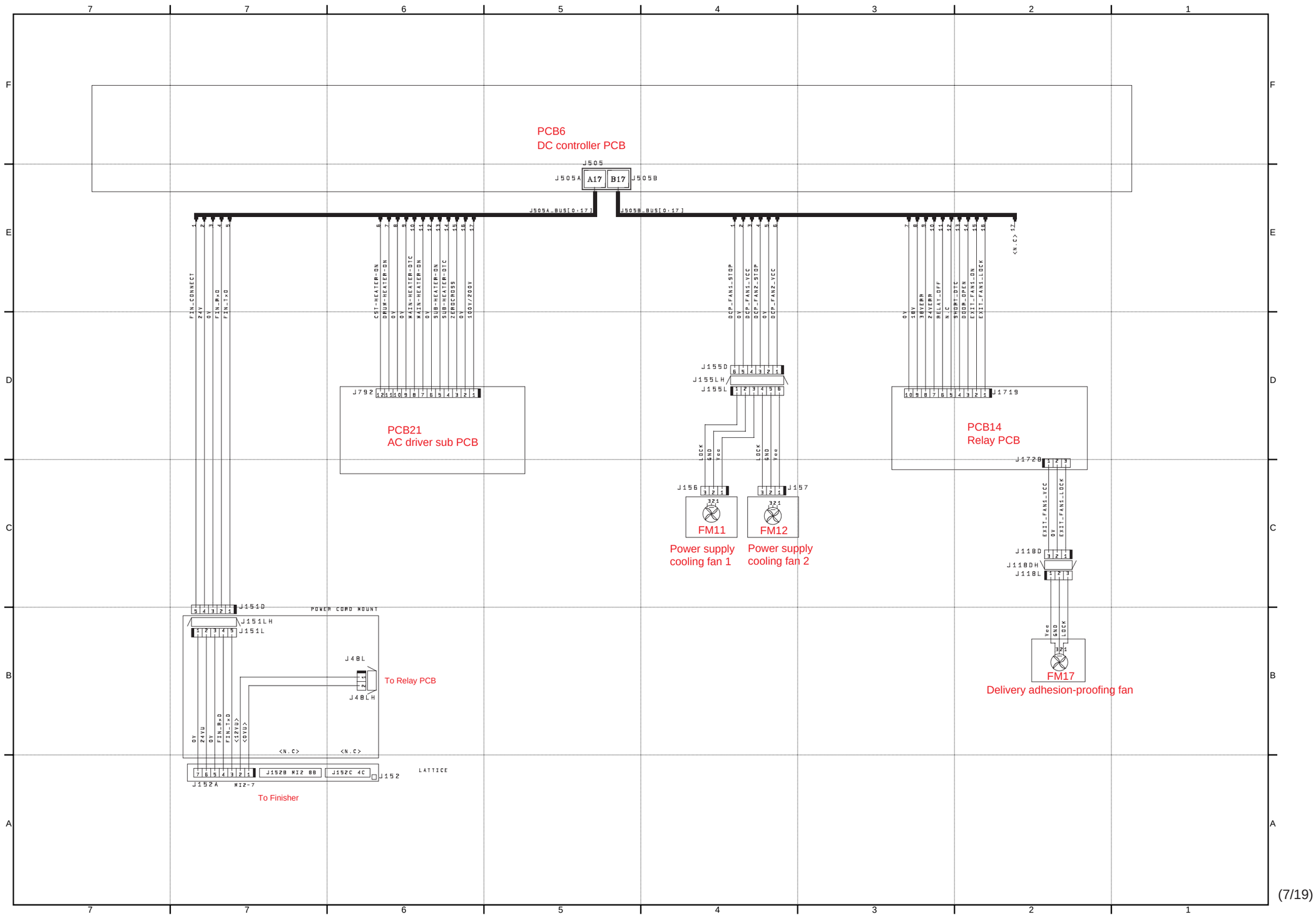
General Circuit Diagram (7/19)

iR85+


PCB6
DC controller PCB
J505
J505A
A17
B17
J505B
J505A_BUS[0:17]
J505B_BUS[0:17]
FIN_CONNECT
24V
0V
FIN_R×D
FIN_T×D
CST-HEATER-DN
DRUM-HEATER-DN
MAIN-HEATER-DTC
MAIN-HEATER-DN
SUB-HEATER-DN
SUB-HEATER-DTC
ZEROCROSS
100V/200V
DCP_FAN1_STOP
DCP_FAN1_VCC
DCP_FAN2_STOP
DCP_FAN2_VCC
<N.C>
J792
PCB21
AC driver sub PCB
J155D
J155LH
J155L
J1719
PCB14
Relay PCB
LOCK
GND
Vcc
J156
J157
FM11
FM12
Power supply cooling fan 1
Power supply cooling fan 2
J1728
EXIT_FAN1_VCC
EXIT_FAN1_LOCK
J1180
J1180H
J1180L
FM17
Delivery adhesion-proofing fan
J151D
POWER CORD MOUNT
J151LH
J151L
J48L
J48LH
To Relay PCB
<12VU>
<0VU>
<N.C>
J152
J152A
J152B MI2 8B
J152C 4C
MI2-7
LATTICE
To Finisher

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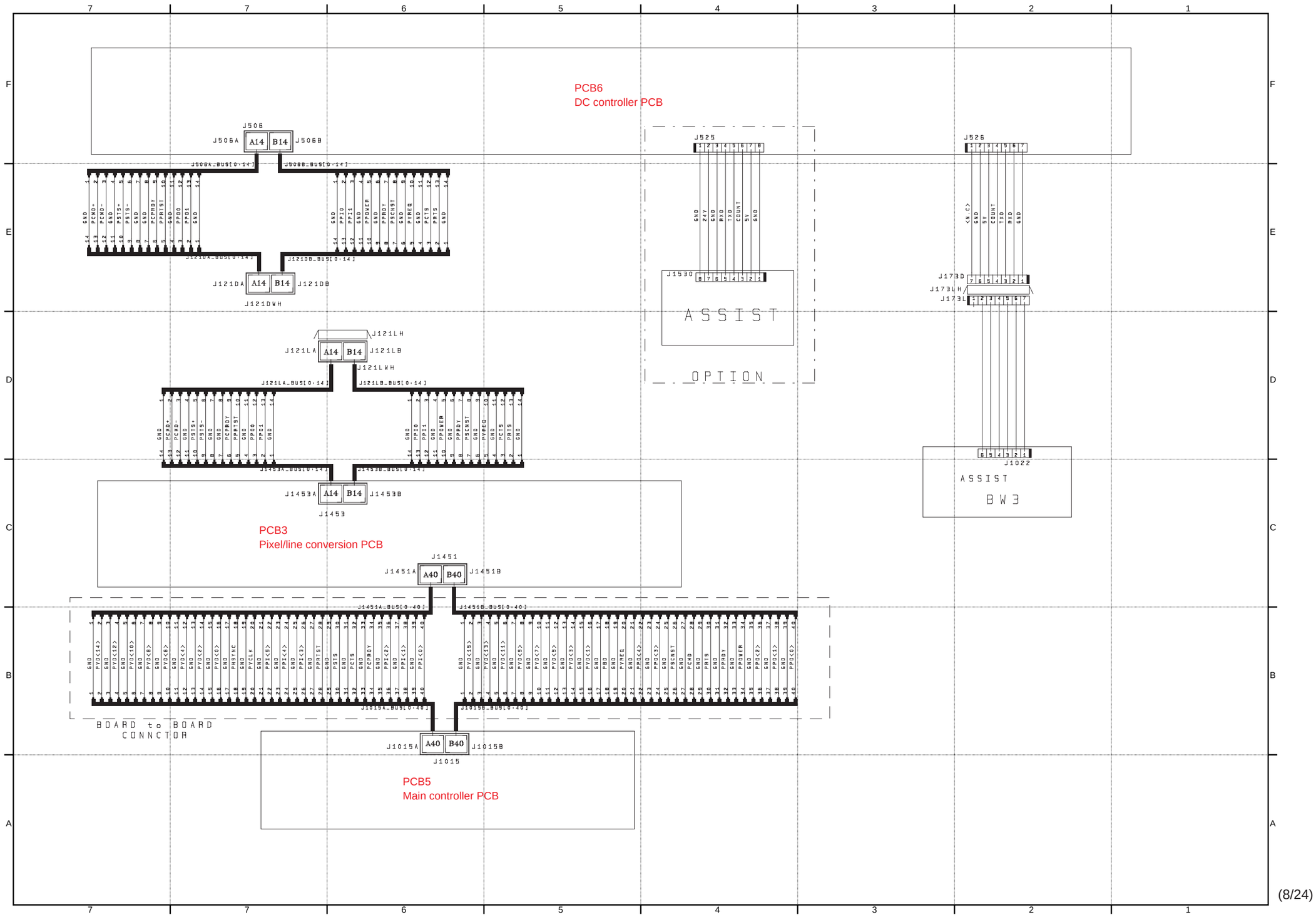
F-2-28

General Circuit Diagram (8/24)
iR105i/iR105+ / iR9070


PCB6
DC controller PCB
J506
J506A
A14
B14
J506B
J506A_BUS[0:14]
J506B_BUS[0:14]
GND PCMO+ PCMO- GND PSTS+ PSTS- GND GND PCPRDY PRTST GND PPDO PPD1 GND
GND PPIO PPI1 GND PPOWER GND PPRDY PSCNST GND PYREQ GND PCTS PRTS GND
J121DA_BUS[0:14]
J121DB_BUS[0:14]
J121DA
J121DB
J121DWH
J525
GND 24V GND MIO TXD CDUNT SNT GND
J1530
ASSIST
OPTION
J526
<N.C> GND 5V CDUNT TXD MIO GND
J173D
J173LH
J173L
J1022
ASSIST
BW3
J121LH
J121LA
J121LB
J121LWH
J121LA_BUS[0:14]
J121LB_BUS[0:14]
GND PCMO+ PCMO- GND PSTS+ PSTS- GND GND PCPRDY PRTST GND PPDO PPD1 GND
GND PPIO PPI1 GND PPOWER GND PPRDY PSCNST GND PYREQ GND PCTS PRTS GND
J1453A_BUS[0:14]
J1453B_BUS[0:14]
J1453A
J1453B
J1453
PCB3
Pixel/line conversion PCB
J1451
J1451A
A40
B40
J1451B
J1451A_BUS[0:40]
J1451B_BUS[0:40]
GND PYDO<14> GND PYDO<12> GND PYDO<10> GND PYDO<8> GND PYDO<6> GND PYDO<4> GND PYDO<2> GND PYDO<0> GND PHSYNC GND PVCLK GND PPI<5> GND PPI<4> GND PPI<3> GND PPMIST GND PRTS GND PCTS GND PCPRDY GND PPI<2> GND PPI<1> GND PPI<0>
GND PYDO<15> GND PYDO<13> GND PYDO<11> GND PYDO<9> GND PYDO<7> GND PYDO<5> GND PYDO<3> GND PYDO<1> GND PBD GND PYREQ GND PPDO<4> GND PPDO<3> GND PSCNST GND PCMD GND PRTS GND PPRDY GND PPOWER GND PPDO<2> GND PPDO<1> GND PPDO<0>
J1015A_BUS[0:40]
J1015B_BUS[0:40]
BOARD to BOARD
CONNCTOR
J1015A
A40
B40
J1015B
J1015
PCB5
Main controller PCB

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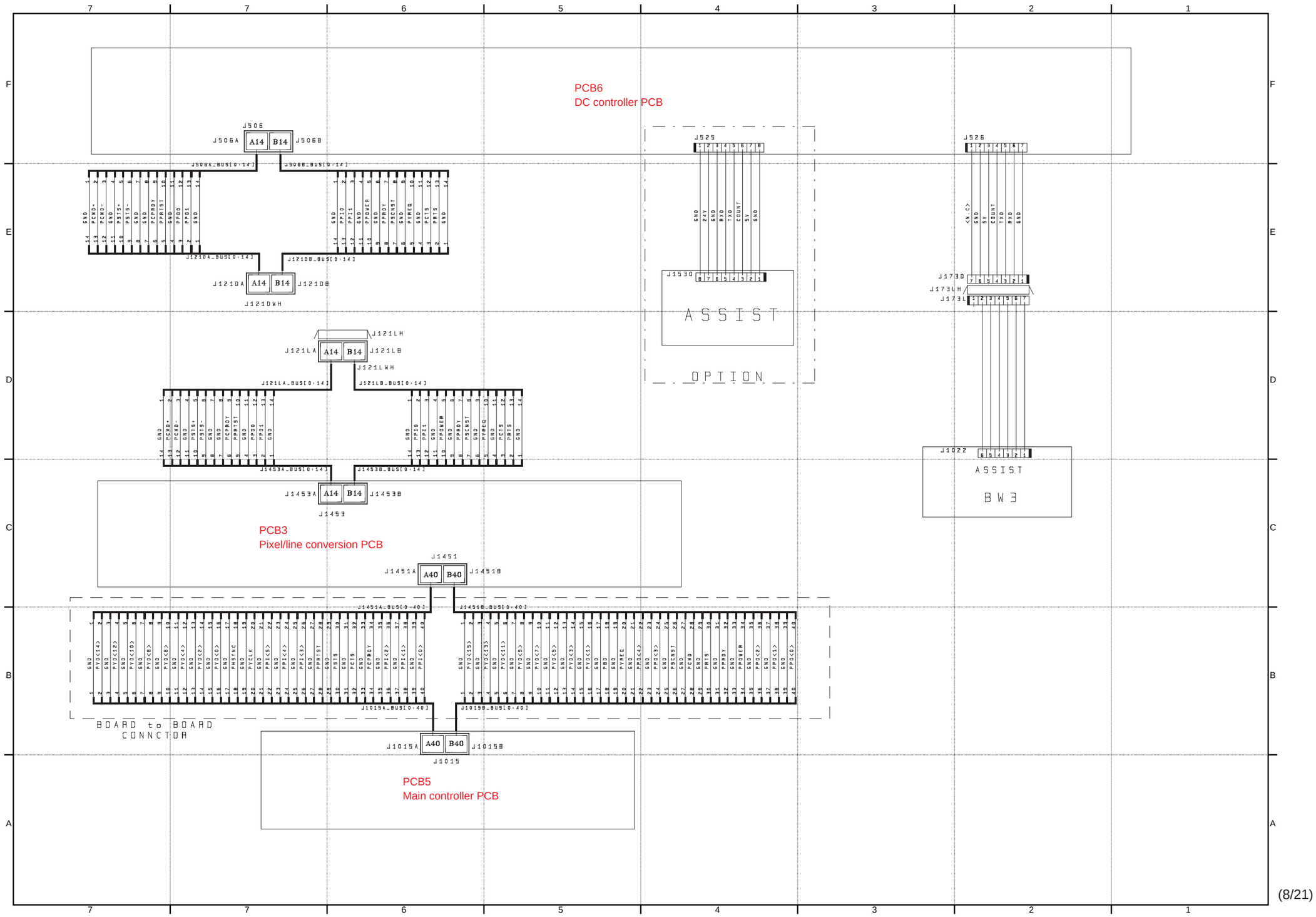
General Circuit Diagram (8/21)
/ iR8070


PCB6
DC controller PCB
J506
J506A
A14
B14
J506B
J506A_BUS[0:14]
J506B_BUS[0:14]
GND PCMO+ PCMO- GND PSTS+ PSTS- GND GND PCPRDY PRTSET GND PFDO PFD1 GND
GND PPI0 PPI1 GND PPOWER GND PPRDY PSCNST GND PYREQ GND PCTS PRTS GND
J1218A_BUS[0:14]
J1218B_BUS[0:14]
J1218A
J1218B
J1218WH
J525
GND 24V GND RXD TXD COUNT 5V GND
J1530
ASSIST
OPTION
J526
<N.C> GND 5V COUNT TXD RXD GND
J1730
J1731H
J1731L
J1022
ASSIST
BW3
J1218LH
J1218LA
J1218LB
J1218LWH
J1218LA_BUS[0:14]
J1218LB_BUS[0:14]
GND PCMO+ PCMO- GND PSTS+ PSTS- GND GND PCPRDY PRTSET GND PFDO PFD1 GND
GND PPI0 PPI1 GND PPOWER GND PPRDY PSCNST GND PYREQ GND PCTS PRTS GND
J1453A_BUS[0:14]
J1453B_BUS[0:14]
J1453A
J1453B
J1453
PCB3
Pixel/line conversion PCB
J1451
J1451A
A40
B40
J1451B
J1451A_BUS[0:40]
J1451B_BUS[0:40]
GND PYDC<14> GND PYDC<12> GND PYDC<10> GND PYDC<8> GND PYDC<6> GND PYDC<4> GND PYDC<2> GND PYDC<0> GND PHSYNC GND PVCLK GND PPI<5> GND PPI<4> GND PPI<3> GND PPRSET GND PSTS GND PCTS PCPRDY GND PPI<2> GND PPI<1> GND PPI<0>
GND PYDC<15> GND PYDC<13> GND PYDC<11> GND PYDC<9> GND PYDC<7> GND PYDC<5> GND PYDC<3> GND PYDC<1> GND PBD GND PYREQ GND PPG<4> GND PPG<3> GND PSCNST GND PCMD GND PRTS GND PPRDY GND PPOWER GND PPG<2> GND PPG<1> GND PPG<0>
BOARD to BOARD
CONNCTOR
J1015A_BUS[0:40]
J1015B_BUS[0:40]
J1015A
J1015B
J1015
PCB5
Main controller PCB

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General Circuit Diagram (8/24)

PCB6
DCコントローラ回路基板

J506
J506A A14 B14 J506B
J506A_BUS[0:14]
J506B_BUS[0:14]
GND PCMD+ PCMD- GND PSTS+ PSTS- GND GND PCPRDY PRTST GND PPD0 PPD1 GND
GND PPI0 PPI1 GND PPOWER GND PPRDY PSCNST GND PYREQ GND PCTS PRTS GND
J121DA_BUS[0:14]
J121DB_BUS[0:14]
J121DA A14 B14 J121DB
J121DWH

J525
GND 24V GND MTD TXD COUNT SLV GND
J1530
ASSIST
OPTION

J526
<N.C> GND 5V COUNT TXD MTD GND
J173D
J173LH
J173L
J1022
ASSIST
BW3

J121LH
J121LA A14 B14 J121LB
J121LWH
J121LA_BUS[0:14]
J121LB_BUS[0:14]
GND PCMD+ PCMD- GND PSTS+ PSTS- GND GND PCPRDY PRTST GND PPD0 PPD1 GND
GND PPI0 PPI1 GND PPOWER GND PPRDY PSCNST GND PYREQ GND PCTS PRTS GND
J1453A_BUS[0:14]
J1453B_BUS[0:14]
J1453A A14 B14 J1453B
J1453

PCB3
画素／ライン変換回路基板

J1451
J1451A A40 B40 J1451B
J1451A_BUS[0:40]
J1451B_BUS[0:40]
GND PVDC<14> GND PVDC<12> GND PVDC<10> GND PVDC<8> GND PVDC<6> GND PVDC<4> GND PVDC<2> GND PVDC<0> GND PHSYNC GND PVCLK GND PPI<5> GND PPI<4> GND PPI<3> GND PPRTST GND PPTS GND PCS GND PCPRDY GND PPI<2> GND PPI<1> GND PPI<0>
GND PVDC<15> GND PVDC<13> GND PVDC<11> GND PVDC<9> GND PVDC<7> GND PVDC<5> GND PVDC<3> GND PVDC<1> GND PBD GND PYREQ GND PPD<4> GND PPD<3> GND PSCNST GND PCMD GND PRTS GND PPRDY GND PPOWER GND PPD<2> GND PPD<1> GND PPD<0>
J1015A_BUS[0:40]
J1015B_BUS[0:40]
BOARD to BOARD
CONNCTOR
J1015A A40 B40 J1015B
J1015

PCB5
メインコントローラ回路基板

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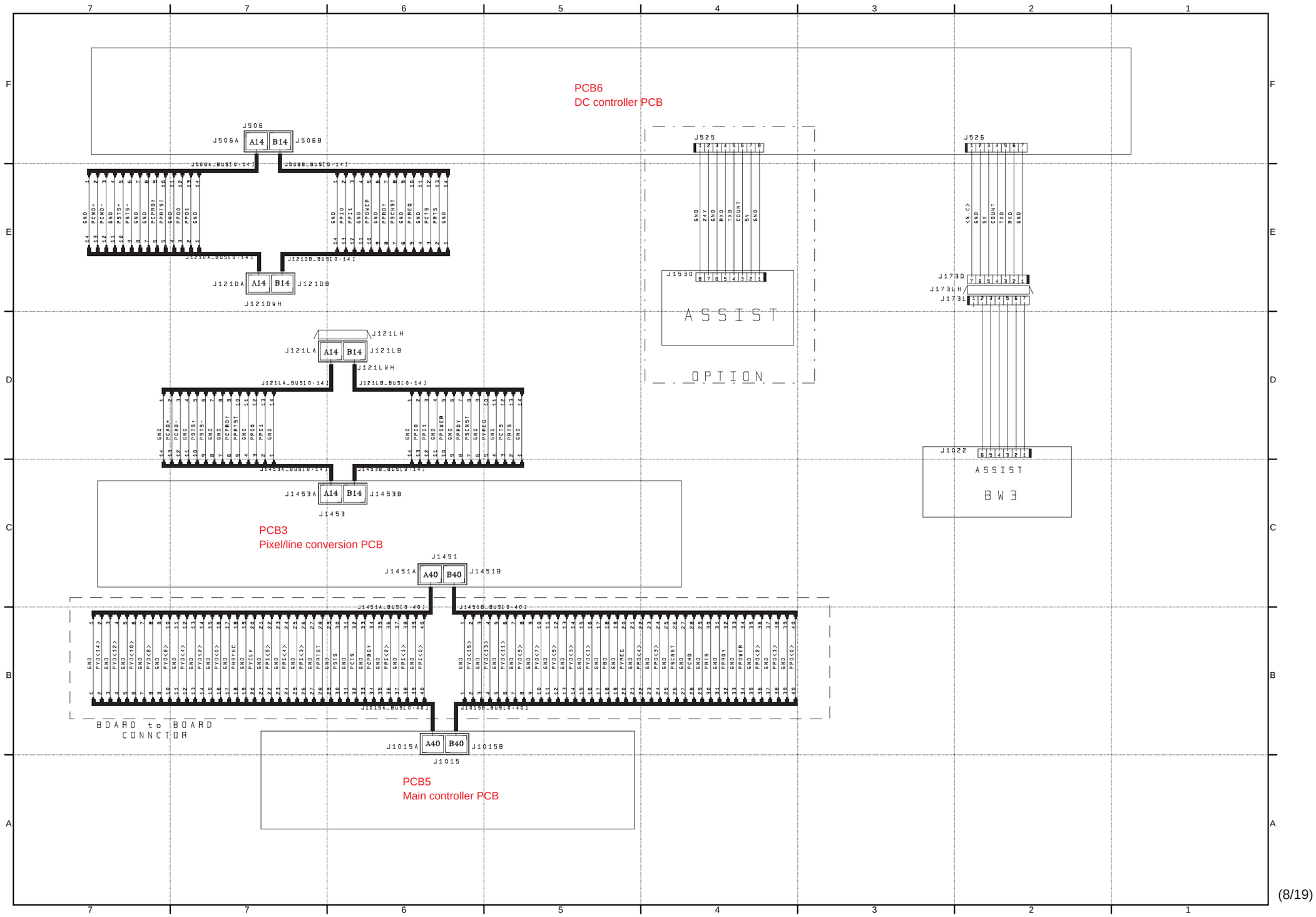
General Circuit Diagram (8/19)

iR85+


PCB6
DC controller PCB
J506
J506A
A14
B14
J506B
J506A_BUS[0:14]
J506B_BUS[0:14]
GND PCMO+ PCMO- GND PSTS+ PSTS- GND GND PCPRDY PRTST GND PPDO PPD1 GND
GND PPIO PPI1 GND PPOWER GND PPRDY PSCNST GND PYREQ GND PCTS PNTS GND
J121DA_BUS[0:14]
J121DB_BUS[0:14]
J121DA
J121DB
J121DWH
J525
GND 24V GND MIO TIO COUNT SW GND
J1530
ASSIST
OPTION
J526
<N.C> GND 5V COUNT TXD RXD GND
J173D
J173LH
J173L
J1022
ASSIST
BW3
J121LH
J121LA
J121LB
J121LWH
J121LA_BUS[0:14]
J121LB_BUS[0:14]
GND PCMO+ PCMO- GND PSTS+ PSTS- GND GND PCPRDY PRTST GND PPDO PPD1 GND
GND PPIO PPI1 GND PPOWER GND PPRDY PSCNST GND PYREQ GND PCTS PNTS GND
J1453A_BUS[0:14]
J1453B_BUS[0:14]
J1453A
J1453B
J1453
PCB3
Pixel/line conversion PCB
J1451
J1451A
A40
B40
J1451B
J1451A_BUS[0:40]
J1451B_BUS[0:40]
GND PYDO<14> GND PYDO<12> GND PYDO<10> GND PYDO<8> GND PYDO<6> GND PYDO<4> GND PYDO<2> GND PYDO<0> GND PHSYNC GND PVCLK GND PPI<5> GND PPI<4> GND PPI<3> GND PPRTST GND PSTS GND PCS GND PCPRDY GND PPI<2> GND PPI<1> GND PPI<0>
GND PYDO<15> GND PYDO<13> GND PYDO<11> GND PYDO<9> GND PYDO<7> GND PYDO<5> GND PYDO<3> GND PYDO<1> GND PBD GND PYREQ GND PPO<4> GND PPO<3> GND PSCNST GND PCMD GND PNTS GND PPRDY GND PPOWER GND PPO<2> GND PPO<1> GND PPO<0>
J1015A_BUS[0:40]
J1015B_BUS[0:40]
BOARD to BOARD
CONNCTOR
J1015A
J1015B
J1015
PCB5
Main controller PCB

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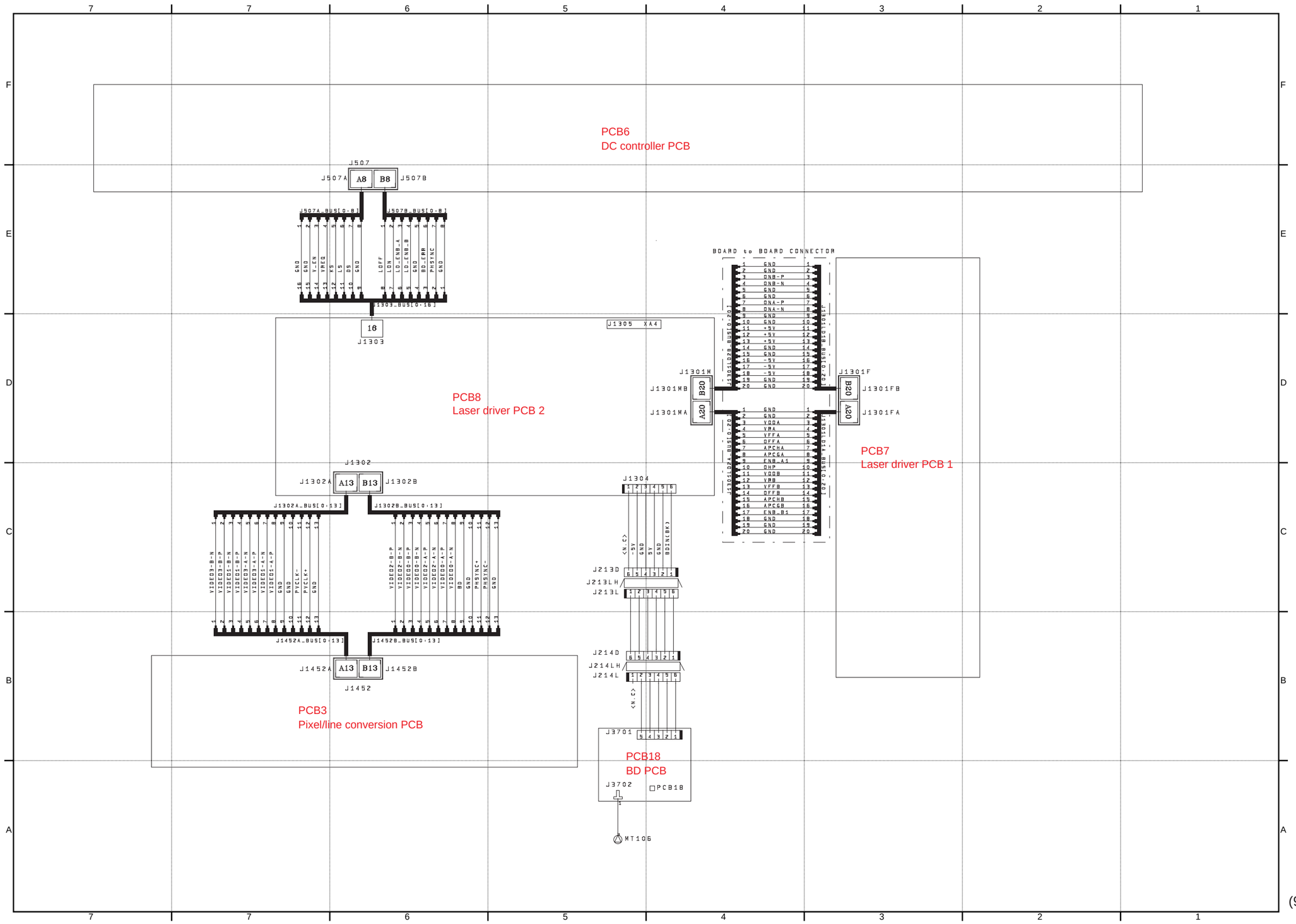
General Circuit Diagram (9/24)
iR105i/iR105+ / iR9070


PCB6
DC controller PCB
J507
J507A
A8
B8
J507B
J507A_BUS[0:8]
J507B_BUS[0:8]
J1303_BUS[0:16]
16
J1303
PCB8
Laser driver PCB 2
J1305 XA4
BOARD to BOARD CONNECTOR
J1301M
J1301MB
J1301MA
B20
A20
J1301F
J1301FB
J1301FA
J1301B2B_BUS[0:20]
J1301B2A_BUS[0:20]
PCB7
Laser driver PCB 1
J1302
J1302A
A13
B13
J1302B
J1302A_BUS[0:13]
J1302B_BUS[0:13]
J1304
J213D
J213LH
J213L
J214D
J214LH
J214L
J1452A_BUS[0:13]
J1452B_BUS[0:13]
J1452
PCB3
Pixel/line conversion PCB
J3701
PCB18
BD PCB
J3702
PCB18
MT10G

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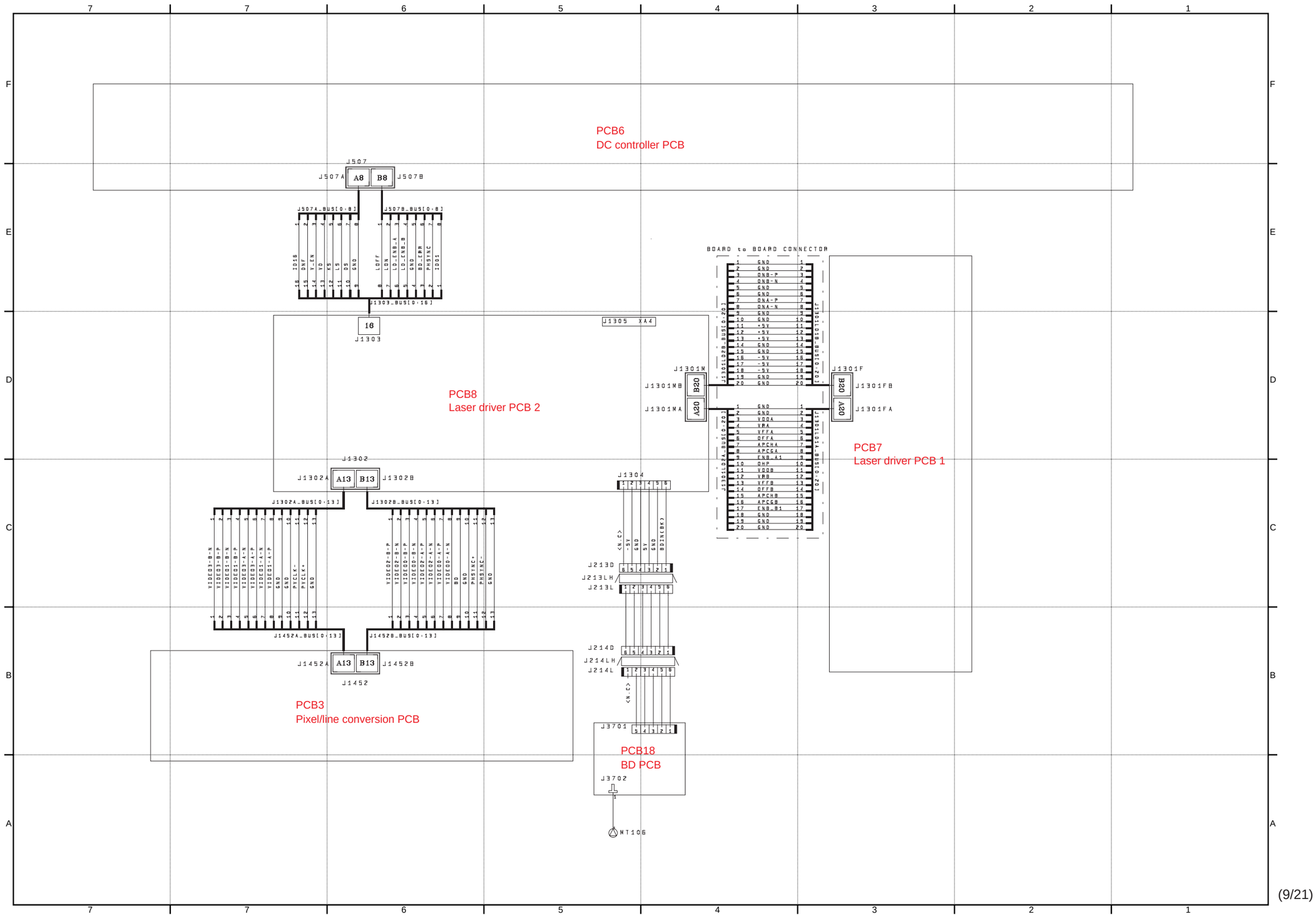
General Circuit Diagram (9/21)
/ iR8070


PCB6
DC controller PCB
J507
J507A
A8
B8
J507B
J507A_BUS[0:8]
J507B_BUS[0:8]
J1303_BUS[0:16]
16
J1303
PCB8
Laser driver PCB 2
J1305 XA4
J1301M
J1301MB
J1301MA
B20
A20
J1301F
J1301FB
J1301FA
J1301M_BUS[0:20]
J1301F_BUS[0:20]
PCB7
Laser driver PCB 1
J1302
J1302A
A13
B13
J1302B
J1302A_BUS[0:13]
J1302B_BUS[0:13]
J1304
J213D
J213LH
J213L
J214D
J214LH
J214L
J1452A_BUS[0:13]
J1452B_BUS[0:13]
J1452A
J1452B
J1452
PCB3
Pixel/line conversion PCB
J3701
PCB18
BD PCB
J3702
MT10G

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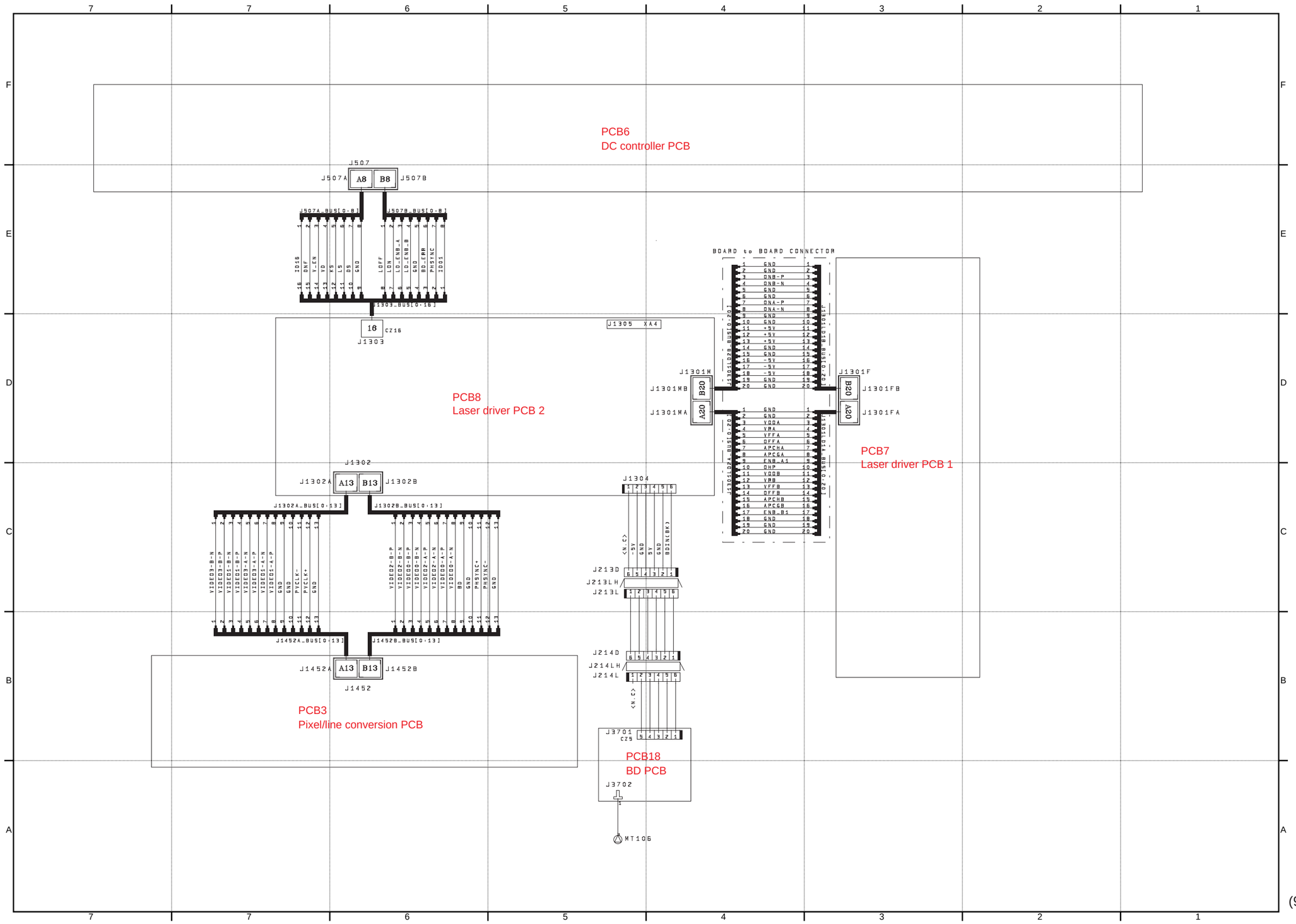
General Circuit Diagram (9/24)


PCB6
DC controller PCB
J507
J507A
A8
B8
J507B
J507A_BUS[0:8]
J507B_BUS[0:8]
J1303_BUS[0:16]
16
CZ16
J1303
PCB8
Laser driver PCB 2
J1305 XA4
J1301M
J1301MB
B20
J1301MA
A20
J1301F
J1301FB
J1301FA
PCB7
Laser driver PCB 1
J1302
J1302A
A13
B13
J1302B
J1302A_BUS[0:13]
J1302B_BUS[0:13]
J1304
J213D
J213LH
J213L
J214D
J214LH
J214L
J1452A_BUS[0:13]
J1452B_BUS[0:13]
J1452
PCB3
Pixel/line conversion PCB
J3701
CZ5
PCB18
BD PCB
J3702
MT10G

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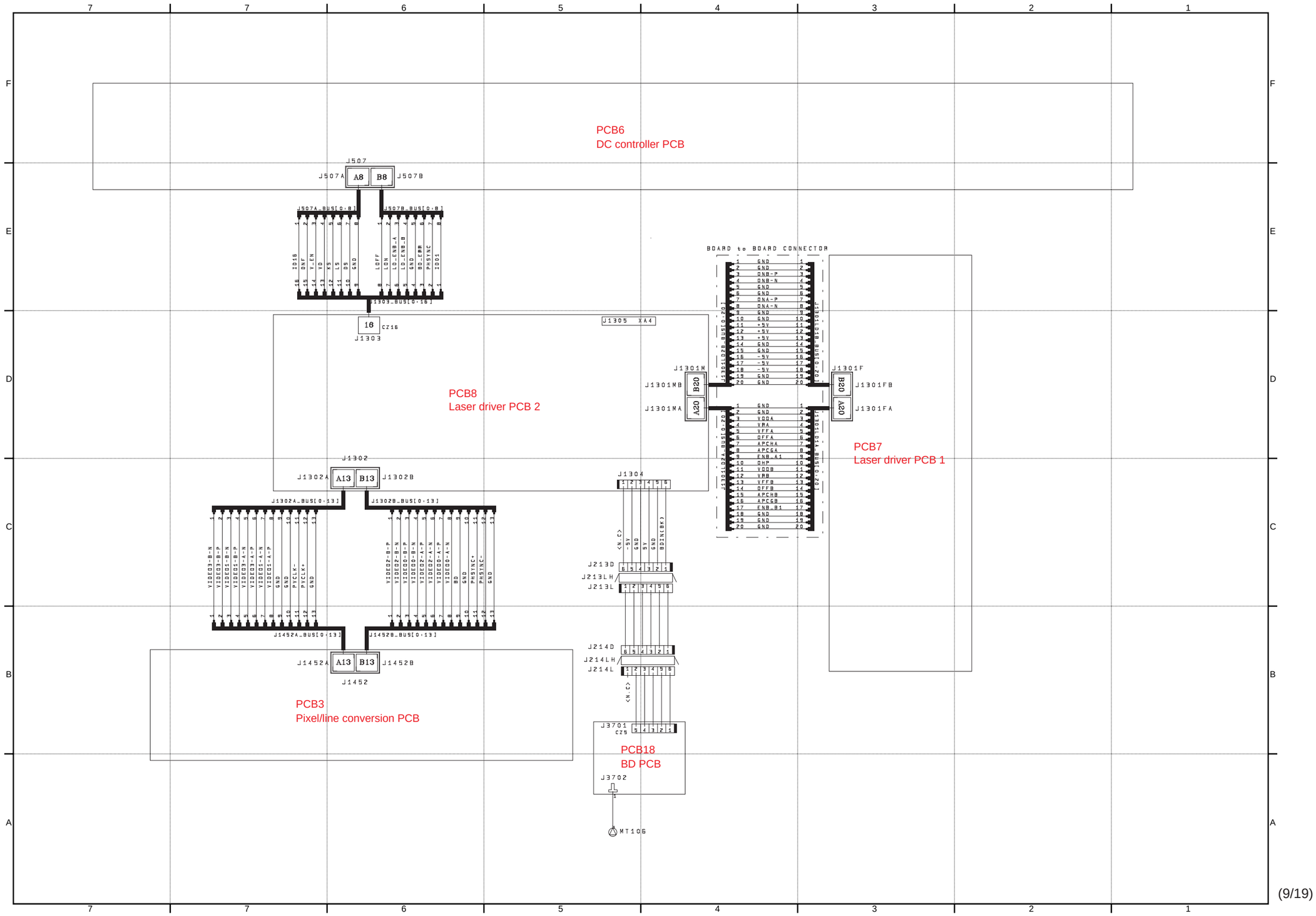
General Circuit Diagram (9/19)

iR85+


PCB6
DC controller PCB
J507
J507A
A8
B8
J507B
J507A_BUS[0:8]
J507B_BUS[0:8]
J1303_BUS[0:16]
16
CZ16
J1303
PCB8
Laser driver PCB 2
J1305 XA4
J1301M
J1301MB
B20
J1301MA
A20
J1301F
J1301FB
J1301FA
PCB7
Laser driver PCB 1
J1302
J1302A
A13
B13
J1302B
J1302A_BUS[0:13]
J1302B_BUS[0:13]
J1304
J213D
J213LH
J213L
J214D
J214LH
J214L
J1452A_BUS[0:13]
J1452B_BUS[0:13]
J1452
PCB3
Pixel/line conversion PCB
J3701
CZ5
PCB18
BD PCB
J3702
MT10G

(9/19)

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General Circuit Diagram (10/24)
iR105i/iR105+ / iR9070

PCB6
DC controller PCB

To Relay PCB

PS9
Internal delivery paper sensor

PS10
External delivery paper sensor

PS11
Fixing feeding unit outlet paper sensor

CL21
Switches delivery speed clutch

M3
Fixing motor

PS7
Fixing cleaning belt sensor

PS8
Fixing cleaning belt warning sensor

TH1
Fixing heater main thermistor

TH2
Fixing heater sub thermistor (end part)

PS6
Fixing claw jam sensor

SL3
Delivery flapper solenoid

SL2
Fixing cleaning belt solenoid

(10/24)

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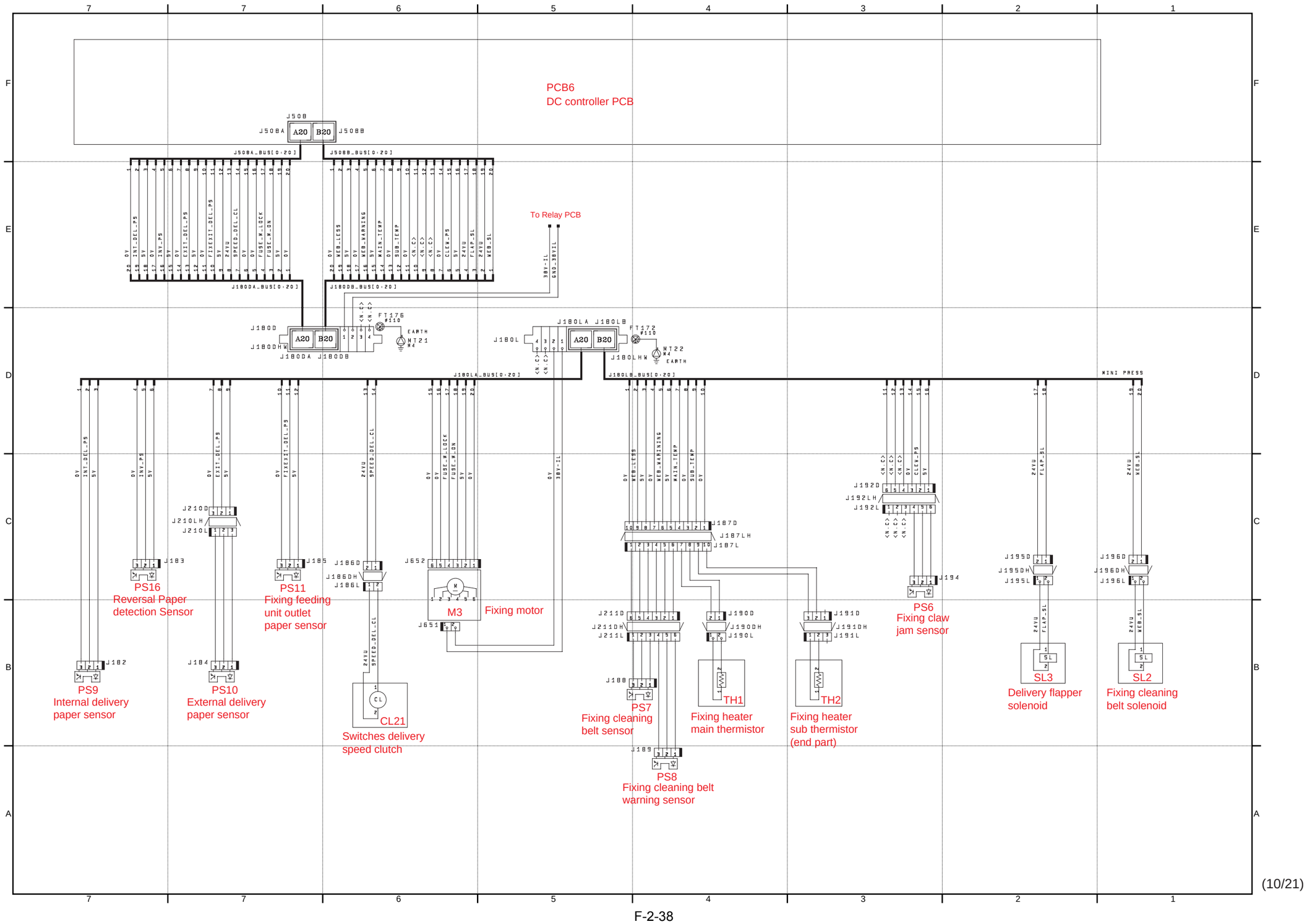
General Circuit Diagram (10/21)
/ iR8070


PCB6
DC controller PCB
To Relay PCB
PS16
Reversal Paper detection Sensor
PS11
Fixing feeding unit outlet paper sensor
M3
Fixing motor
PS9
Internal delivery paper sensor
PS10
External delivery paper sensor
CL21
Switches delivery speed clutch
PS7
Fixing cleaning belt sensor
PS8
Fixing cleaning belt warning sensor
TH1
Fixing heater main thermistor
TH2
Fixing heater sub thermistor (end part)
PS6
Fixing claw jam sensor
SL3
Delivery flapper solenoid
SL2
Fixing cleaning belt solenoid
(10/21)

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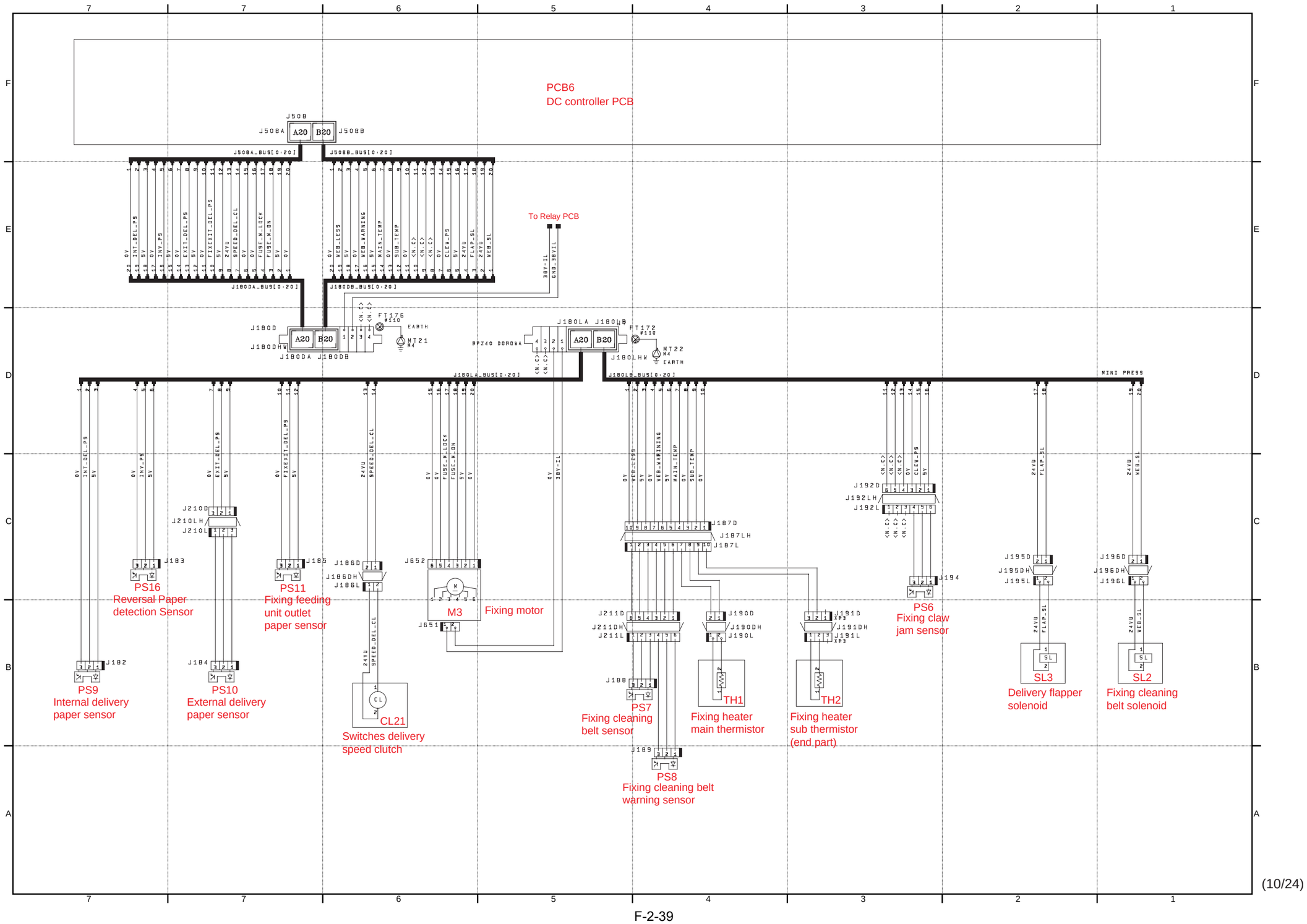
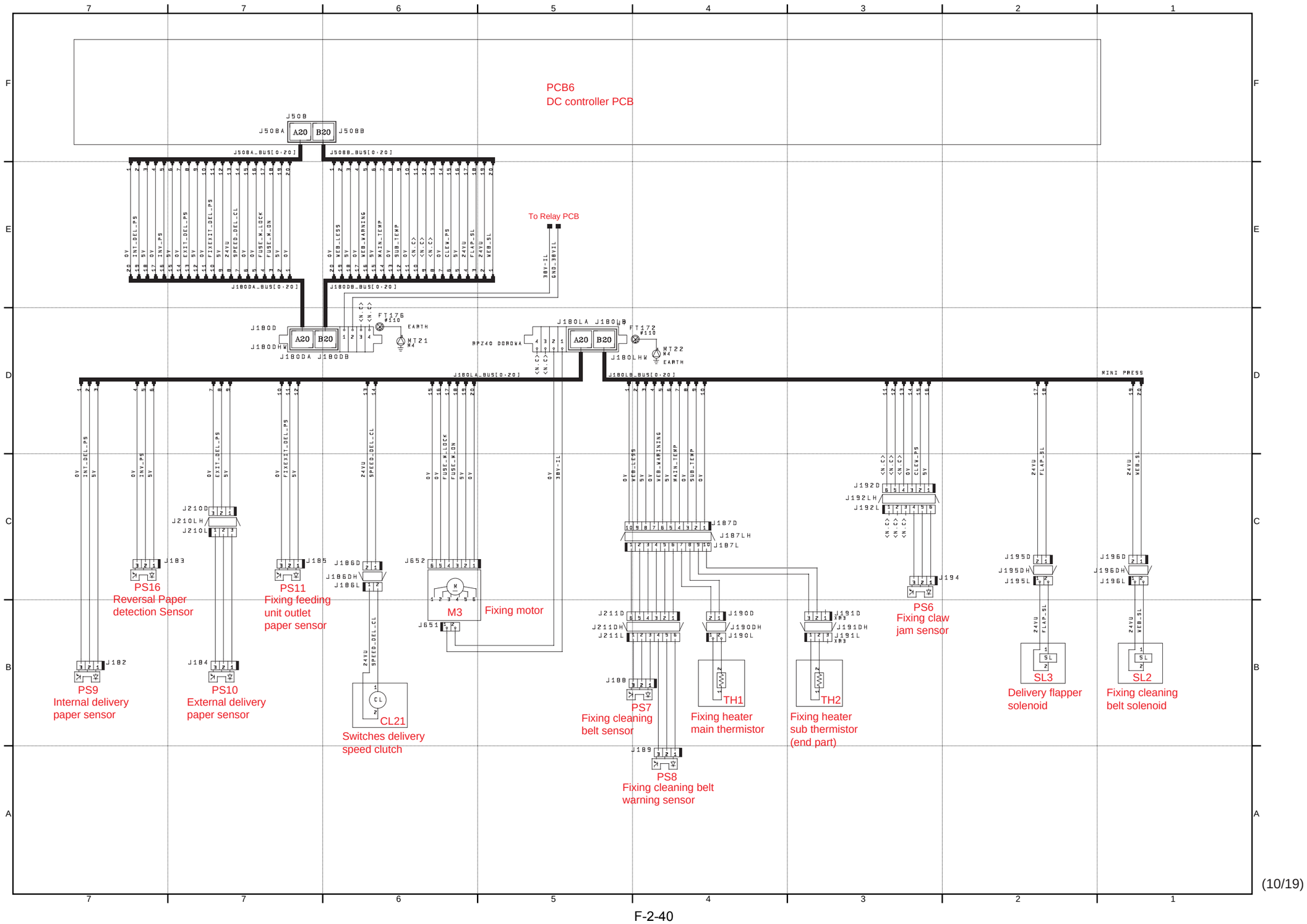
General Circuit Diagram (10/24)


PCB6
DC controller PCB
To Relay PCB
PS16
Reversal Paper detection Sensor
PS11
Fixing feeding unit outlet paper sensor
M3
Fixing motor
PS9
Internal delivery paper sensor
PS10
External delivery paper sensor
CL21
Switches delivery speed clutch
PS7
Fixing cleaning belt sensor
TH1
Fixing heater main thermistor
TH2
Fixing heater sub thermistor (end part)
PS8
Fixing cleaning belt warning sensor
PS6
Fixing claw jam sensor
SL3
Delivery flapper solenoid
SL2
Fixing cleaning belt solenoid
(10/24)

General Circuit Diagram (10/19)

iR85+


PCB6
DC controller PCB
To Relay PCB
PS16
Reversal Paper detection Sensor
PS11
Fixing feeding unit outlet paper sensor
M3
Fixing motor
PS9
Internal delivery paper sensor
PS10
External delivery paper sensor
CL21
Switches delivery speed clutch
PS7
Fixing cleaning belt sensor
PS8
Fixing cleaning belt warning sensor
TH1
Fixing heater main thermistor
TH2
Fixing heater sub thermistor (end part)
PS6
Fixing claw jam sensor
SL3
Delivery flapper solenoid
SL2
Fixing cleaning belt solenoid

(10/19)

F-2-40

General Circuit Diagram (11/24)
iR105i/iR105+ / iR9070

PCB6
DC controller PCB

PS5
Registration paper sensor

CL2
Registration roller clutch

SL4
Locks the fixing/feeding unit solenoid

M9
Transfer separation charging wire cleaning motor

CL3
Registration roller brake clutch

PS28
Fixing/feeding unit releasing lever sensor

FM6
Curl removing fan

FM13
Separation fan

(11/24)

F-2-41

General Circuit Diagram (11/21)
/ iR8070

PCB6
DC controller PCB

PS5
Registration paper sensor

CL2
Registration roller clutch

FM7
Feeding fan

FM13
Separation fan

SL4
Locks the fixing/feeding unit solenoid

M9
Transfer separation charging wire cleaning motor

CL3
Registration roller brake clutch

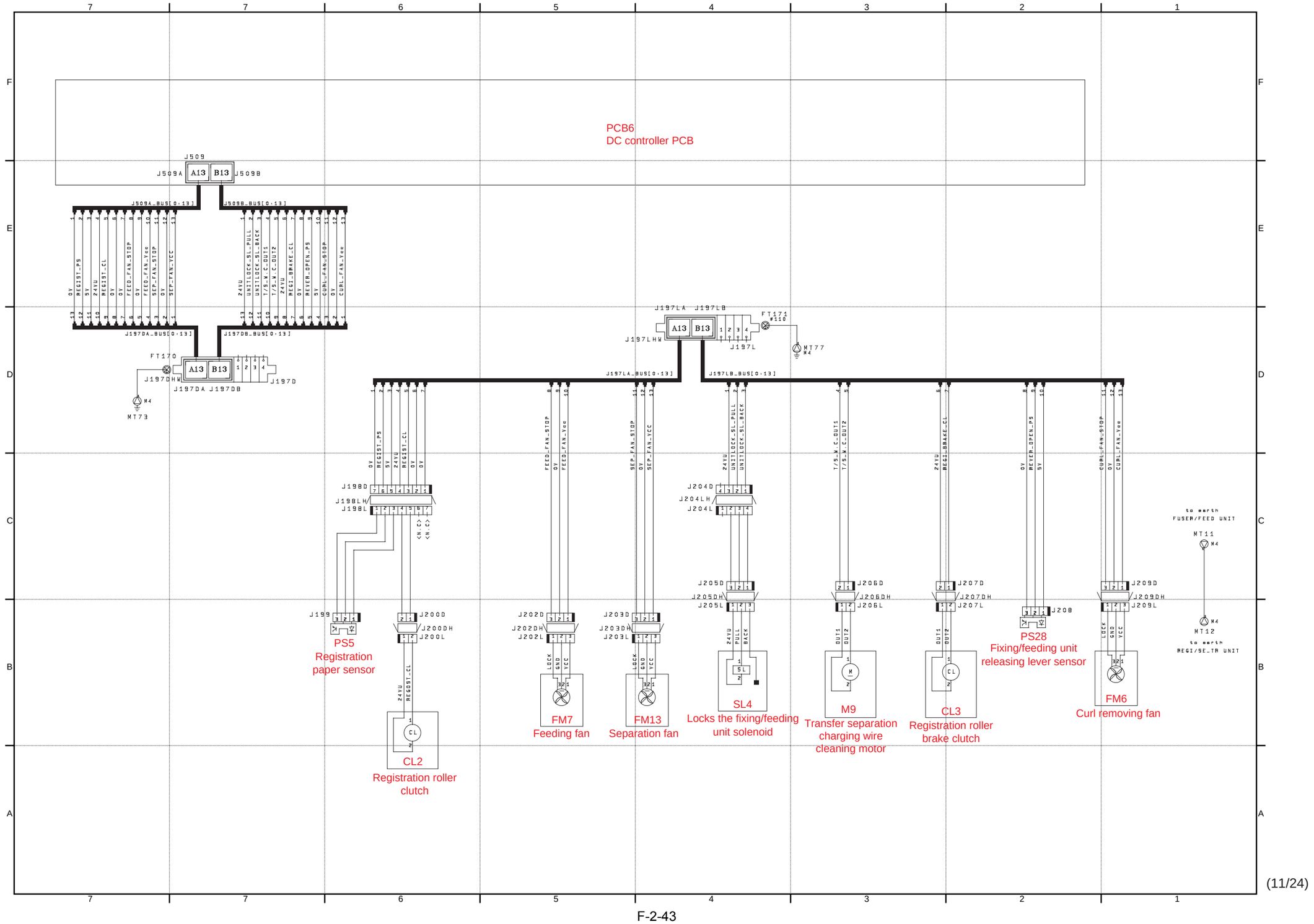
PS28
Fixing/feeding unit releasing lever sensor

FM6
Curl removing fan

(11/21)

F-2-42

General Circuit Diagram (11/24)

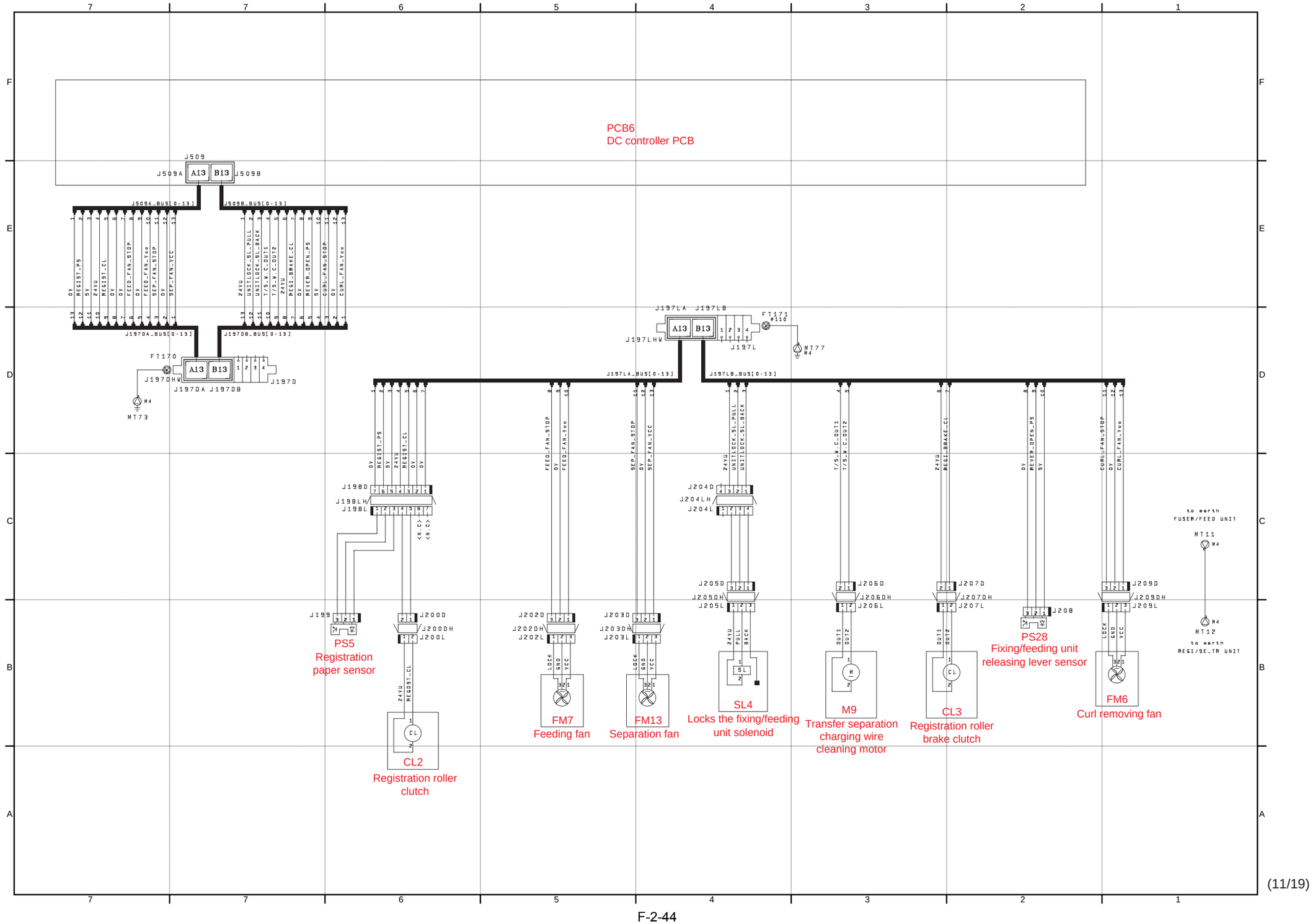

PCB6
DC controller PCB
PS5
Registration paper sensor
CL2
Registration roller clutch
FM7
Feeding fan
FM13
Separation fan
SL4
Locks the fixing/feeding unit solenoid
M9
Transfer separation charging wire cleaning motor
CL3
Registration roller brake clutch
PS28
Fixing/feeding unit releasing lever sensor
FM6
Curl removing fan
to earth
FUSER/FEED UNIT
to earth
REGI/SE_TR UNIT

(11/24)

F-2-43

General Circuit Diagram (11/19)

iR85+


PCB6
DC controller PCB
PS5
Registration paper sensor
CL2
Registration roller clutch
FM7
Feeding fan
FM13
Separation fan
SL4
Locks the fixing/feeding unit solenoid
M9
Transfer separation charging wire cleaning motor
CL3
Registration roller brake clutch
PS28
Fixing/feeding unit releasing lever sensor
FM6
Curl removing fan
to earth
FUSER/FEED UNIT
to earth
REGI/SE_TR UNIT

(11/19)

F-2-44

General Circuit Diagram (12/24)
iR105i/iR105+ / iR9070

PCB6
DC controller PCB

J510
J510A A16 B16 J510B

J510A_BUS[0:16]
J510B_BUS[0:16]

0V HVDC_REMOTE PAIMARY_CNTR PAIMARY_ERR GRID_CNTR TRANSFER_CNTR TRANSFER_ERR DEV_AC_ON DEV_DC_CNTR HVAC_ON FUSR_DC_CNTR SEP_DC_CNTR FUSR_AC_CNTR FEED_GUID_ON FEEDER_GUIDE_CNTR

J723

PCB11
HV-DC PCB

J737
XA4P J721
To Relay PCB
J731 J732 J733 J734 J722
T601 T701
J271M J271F J272F J272M
GURID PRIMARY TRANSFER B_TONER_GATHER_BIAS_ON DEVELOP FUSER ROLLER BIAS AC+DC HANSO
POST(DC) SEP(DC)
HVAC_CTL HVAC_ON 24VP GND GND

J741
PCB12
HV-AC PCB
J742

0V MLT_CURL_ENTRY 5V
XM3 J222D J222DH XM3 J222L
J274
PS35
Manual feed tray de-curling inlet paper sensor

0V MLT_VOLUME 5V 0V MLT_PAPER_PS 5V 24V MLT_PICKUP_SL_PULL MLT_PICKUP_SL_BACK
J224D J224DH J224L
<N.C> <N.C> <N.C>

J225D J225LH J225L
0V MLT_V 5V
S7 S8 S5
SVR1
Manual feed tray paper width sensor

J226
PS17
Manual feed tray paper detection sensor

J227D J227DH J227L
24V PULL BACK
SL
SL6
Manual feed tray pickup latch solenoid

MLT UNIT

MT20 DRUM CLAW UNIT

FT174 #187 FT181 #187 FT182 #187 FT185 #187 FT186 #187 FT187 #187 FT188 #187

SOL25 SOL24 SOL23 SOL22 SOL21 FT189 #187 SOL20
10K 10K 10K
MT71 MT46 MT47 MT50 MT51 MT52 MT53 MT56

PRIMARY-UNIT
TRANSFER-UNIT
B-TONER GATHER ROLLER <POST UNIT>
DEVELOP SLEEVE ROLLER
FUSER ROLLER
HANS GUIDE

FT175 #187 FT190 #187 MT57
MT72 FT191 #187 MT58

SOL13 SOL12 SOL14 SOL15 SOL16 SOL17
AC TRANSFER

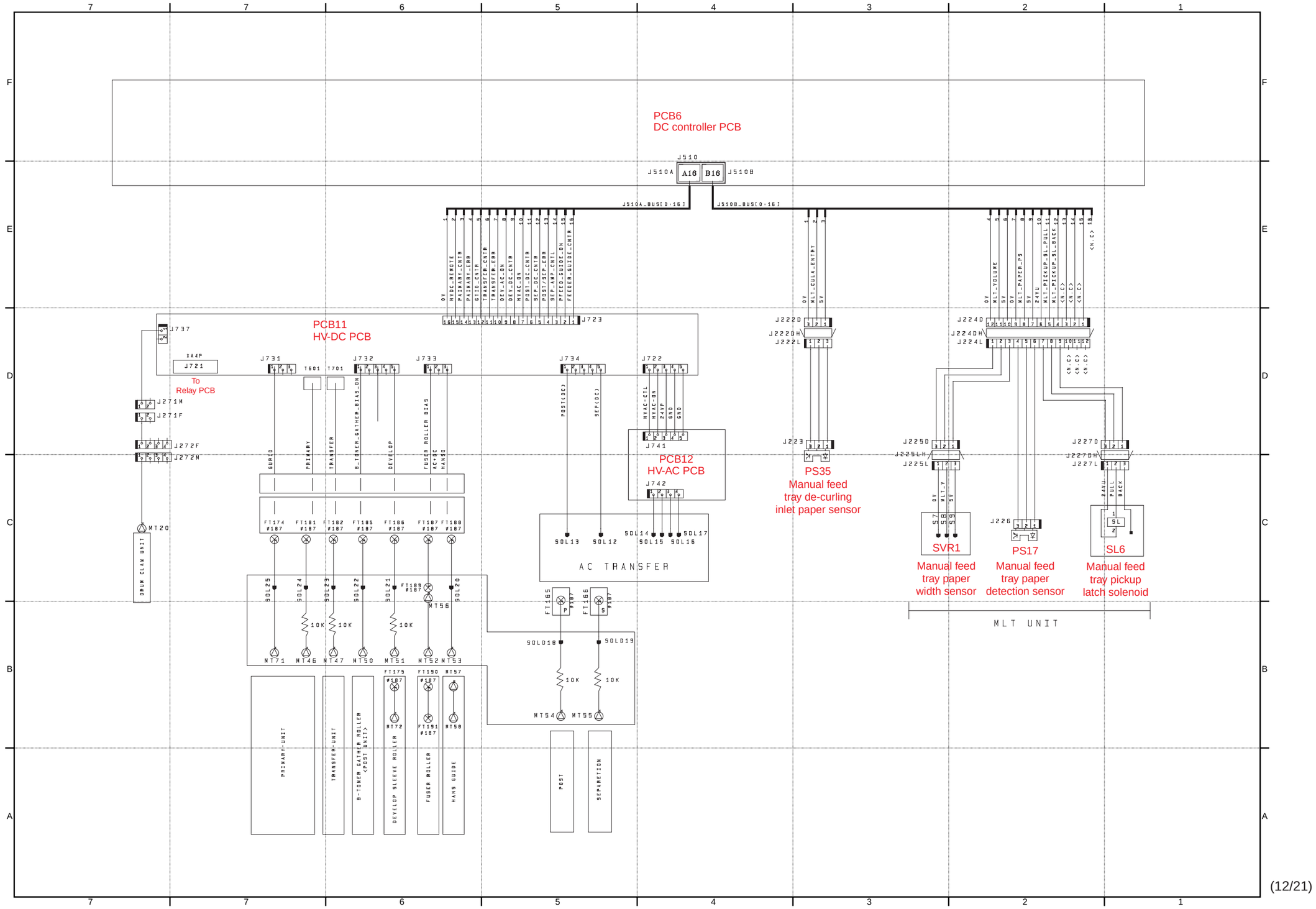
FT165 #187 FT166 #187
SOLD18 SOLD19
10K 10K
MT54 MT55

POST
SEPARETION

(12/24)

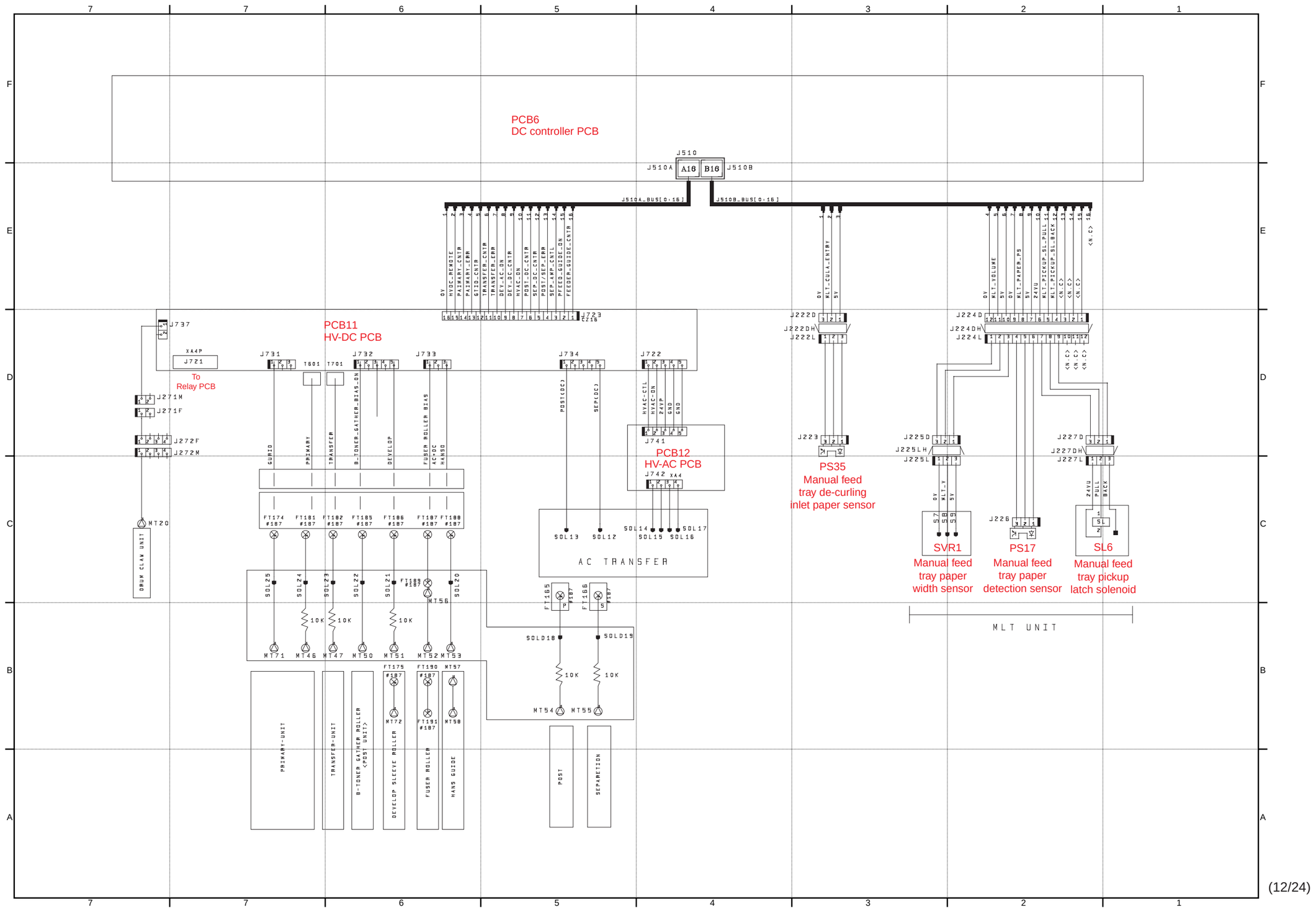
F-2-45

General Circuit Diagram (12/21)
/ iR8070


PCB6
DC controller PCB
J510
J510A
A16
B16
J510B
J510A_BUS[0:16]
J510B_BUS[0:16]
PCB11
HV-DC PCB
J737
XA4P
J721
To
Relay PCB
J731
J732
J733
J734
J722
J723
T601
T701
J271M
J271F
J272F
J272N
GUMID
PRIMARY
TRANSFER
B-TONER_GATHER_BIAS_ON
DEVELOP
FUSER ROLLER BIAS
AC-DC
HANDD
PDST(DC)
SEP(DC)
HVAC-CTL
HVAC-ON
24VP
GND
GND
J741
PCB12
HV-AC PCB
J742
DRUM CLAW UNIT
MT20
FT174 #187
FT181 #187
FT182 #187
FT185 #187
FT186 #187
FT187 #187
FT188 #187
SOL25
SOL24
SOL23
SOL22
SOL21
SOL20
10K
MT71
MT46
MT47
MT50
MT51
MT52
MT53
FT189 #187
MT56
FT175 #187
FT190 #187
MT57
MT72
FT191 #187
MT58
PRIMARY UNIT
TRANSFER UNIT
B-TONER GATHER ROLLER <POST UNIT>
DEVELOP SLEEVE ROLLER
FUSER ROLLER
HANS GUIDE
SOL13
SOL12
SOL14
SOL15
SOL16
SOL17
AC TRANSFER
FT165 #187
FT166 #187
SOL18
SOL19
MT54
MT55
POST
SEPARETION
J2222D
J2220H
J2221L
J223
PS35
Manual feed
tray de-curling
inlet paper sensor
J2240D
J2240H
J2241L
J2250
J2251H
J2251L
SVR1
Manual feed
tray paper
width sensor
J226
PS17
Manual feed
tray paper
detection sensor
J2270
J2271H
J2271L
SL6
Manual feed
tray pickup
latch solenoid
MLT UNIT
(12/21)

F-2-46

General Circuit Diagram (12/24)

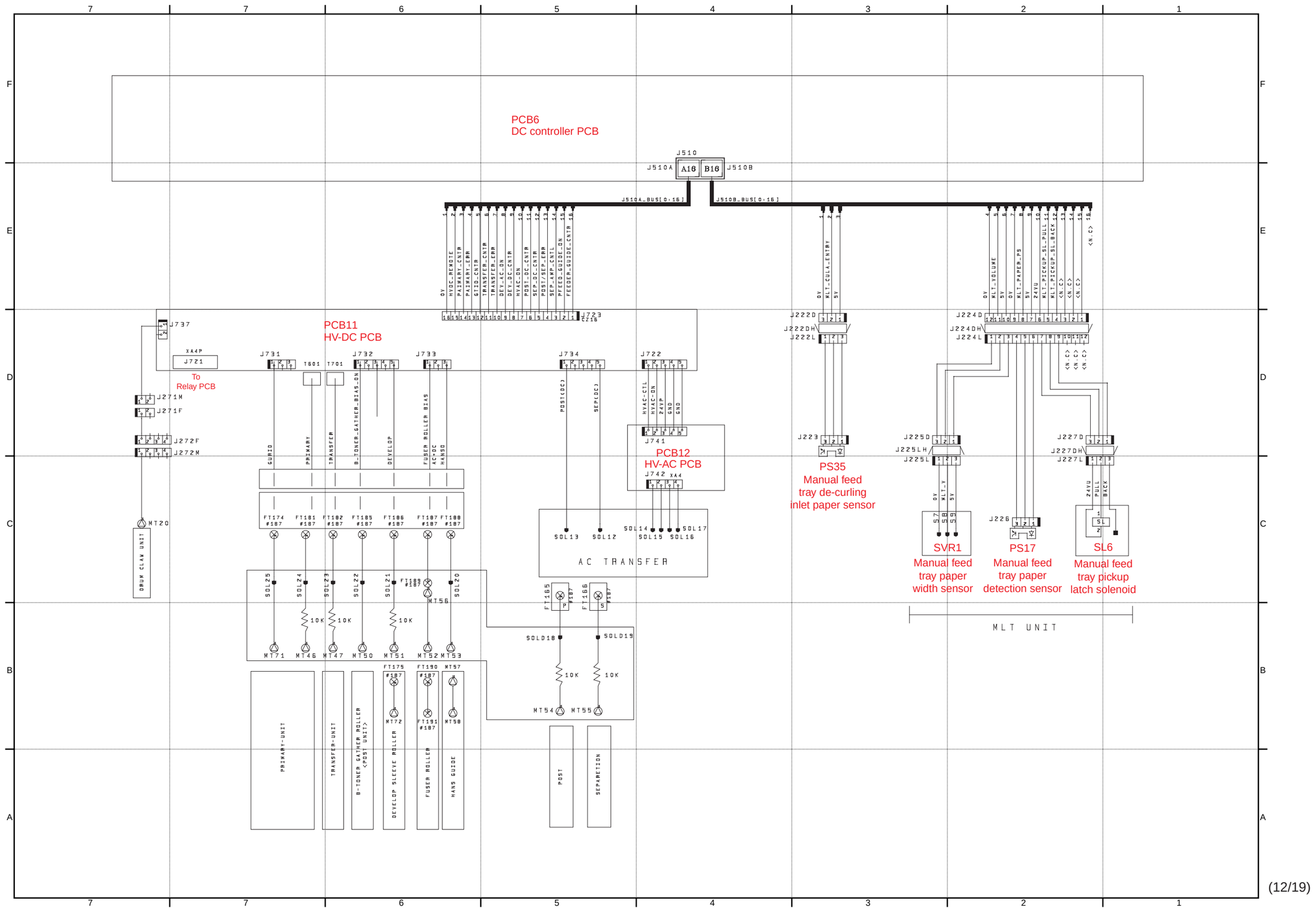

PCB6
DC controller PCB
J510
J510A
A16
B16
J510B
J510A_BUS[0:16]
J510B_BUS[0:16]
PCB11
HV-DC PCB
J737
XA4P
J721
To
Relay PCB
J731
J732
J733
J734
J722
T801
T701
J271M
J271F
J272F
J272M
GURID
PRIMARY
TRANSFER
B_TONER_GATHER_BIAS_ON
DEVELOP
FUSER ROLLER BIAS
AC+DC
HANSO
POST(DC)
SEP(DC)
HVAC-CTL
HVAC-ON
24VP
GND
GND
PCB12
HV-AC PCB
J741
J742
XA4
MT20
DRUM CLAW UNIT
FT174 #187
FT181 #187
FT182 #187
FT185 #187
FT186 #187
FT187 #187
FT188 #187
SOL13
SOL12
SOL14
SOL15
SOL16
SOL17
AC TRANSFER
SOL25
SOL24
SOL23
SOL22
SOL21
SOL20
10K
MT71
MT46
MT47
MT50
MT51
MT52
MT53
MT56
FT189 #187
FT165
FT166
SOLD18
SOLD19
MT54
MT55
FT175
FT190
MT57
MT72
FT191 #187
MT58
PRIMARY-UNIT
TRANSFER-UNIT
B-TONER GATHER ROLLER <POST UNIT>
DEVELOP SLEEVE ROLLER
FUSER ROLLER
HANS GUIDE
POST
SEPARETION
J723
CZ16
0V
HVDC-REMOTE
PRIMARY-CNTR
PRIMARY-ERR
STRIPPER-CNTR
TRANSFER-CNTR
DEV_AC-ON
DEV_DC-CNTR
HVAC-ON
POST-DC-CNTR
SEP_DC-CNTR
POST/SEP_ERR
SEP_AMP-CNTL
PFEED-GUIDE-ON
FEEDER-GUIDE-CNTR
J222D
J222DH
J222L
MLT_CULA-ENTRY
5V
PS35
Manual feed
tray de-curling
inlet paper sensor
J224D
J224DH
J224L
MLT_VOLUME
MLT_PAPER_PS
24VU
MLT_PICKUP_SL_PULL
MLT_PICKUP_SL_BACK
<N.C>
J225D
J225LH
J225L
MLT_V
SVR1
Manual feed
tray paper
width sensor
J226
PS17
Manual feed
tray paper
detection sensor
J227D
J227DH
J227L
PULL
BACK
SL6
Manual feed
tray pickup
latch solenoid
MLT UNIT

(12/24)

F-2-47

General Circuit Diagram (12/19)

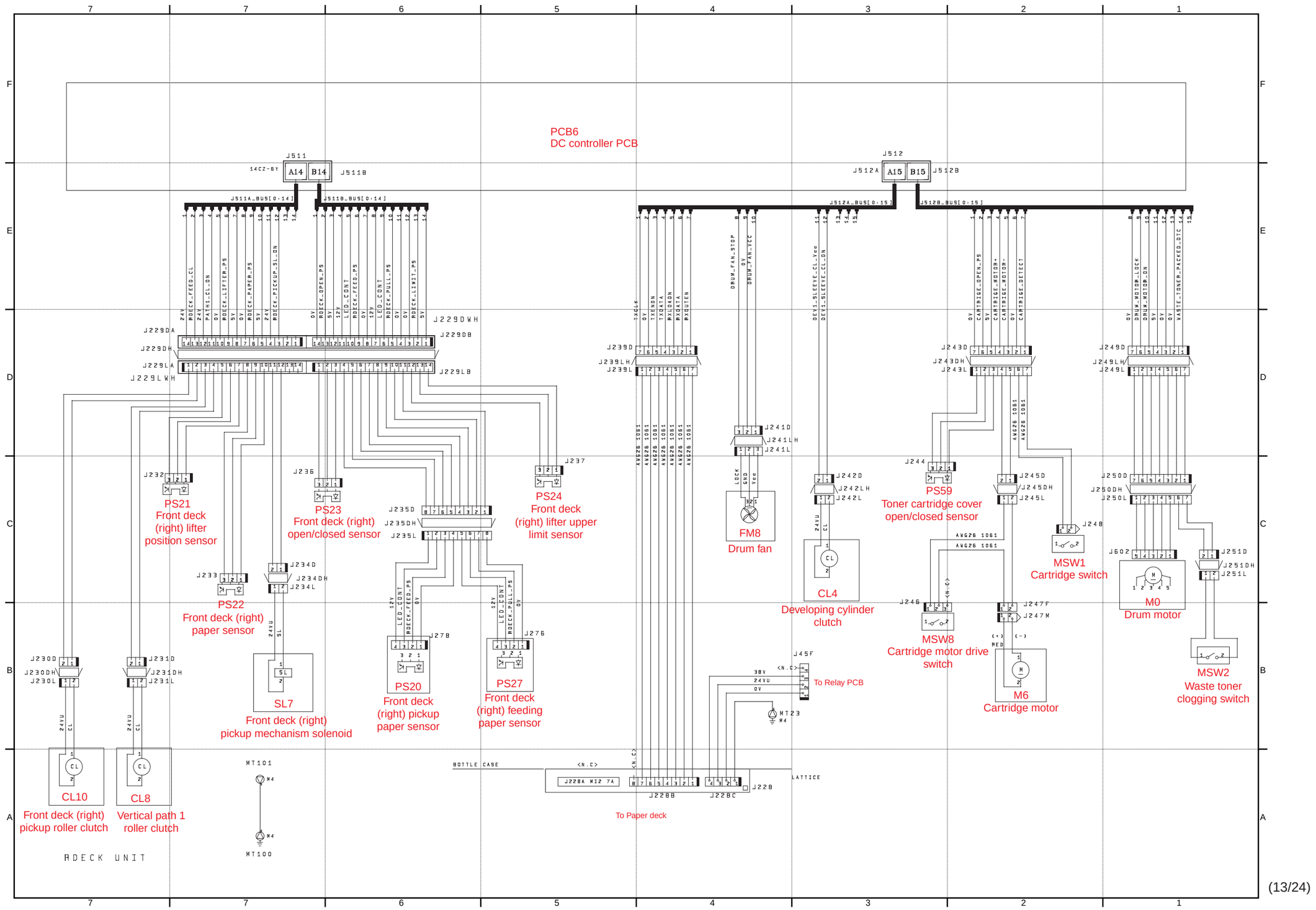
iR85+


PCB6
DC controller PCB
J510
J510A
A16
B16
J510B
J510A_BUS[0:16]
J510B_BUS[0:16]
PCB11
HV-DC PCB
J737
XA4P
J721
To
Relay PCB
J731
J732
J733
J734
J722
T801
T701
J271M
J271F
J272F
J272M
GURID
PRIMARY
TRANSFER
B_TONER_GATHER_BIAS_ON
DEVELOP
FUSER ROLLER BIAS
AC+DC
HANSO
POST(DC)
SEP(DC)
HVAC-CTL
HVAC-ON
24VP
GND
GND
PCB12
HV-AC PCB
J741
J742
XA4
MT20
DRUM CLAW UNIT
FT174 #187
FT181 #187
FT182 #187
FT185 #187
FT186 #187
FT187 #187
FT188 #187
SOL25
SOL24
SOL23
SOL22
SOL21
SOL20
10K
MT71
MT46
MT47
MT50
MT51
MT52
MT53
MT56
SOL13
SOL12
SOL14
SOL15
SOL16
SOL17
AC TRANSFER
FT165 #187
FT166 #187
SOLD18
SOLD19
MT54
MT55
FT175 #187
FT190 #187
MT57
MT72
FT191 #187
MT58
PRIMARY-UNIT
TRANSFER-UNIT
B-TONER GATHER ROLLER <POST UNIT>
DEVELOP SLEEVE ROLLER
FUSER ROLLER
HANS GUIDE
POST
SEPARETION
J723
CZ16
0V
HVDC-REMOTE
PRIMARY-CNTR
PRIMARY-ERR
STRIPPER-CNTR
TRANSFER-CNTR
DEV_DC-ERR
DEV_DC-CNTR
HVAC-ON
POST-DC-CNTR
SEP-DC-CNTR
POST/SEP-ERR
SEP-AMP-CNTL
PFEED-GUIDE-ON
FEEDER-GUIDE-CNTR
J222D
J222DH
J222L
MLT_CULA-ENTRY
5V
PS35
Manual feed
tray de-curling
inlet paper sensor
J224D
J224DH
J224L
MLT_VOLUME
MLT_PAPER_PS
24VU
MLT_PICKUP_SL_PULL
MLT_PICKUP_SL_BACK
<N.C>
J225D
J225LH
J225L
MLT_V
SVR1
Manual feed
tray paper
width sensor
J226
PS17
Manual feed
tray paper
detection sensor
J227D
J227DH
J227L
PULL
BACK
SL6
Manual feed
tray pickup
latch solenoid
MLT UNIT

(12/19)

F-2-48

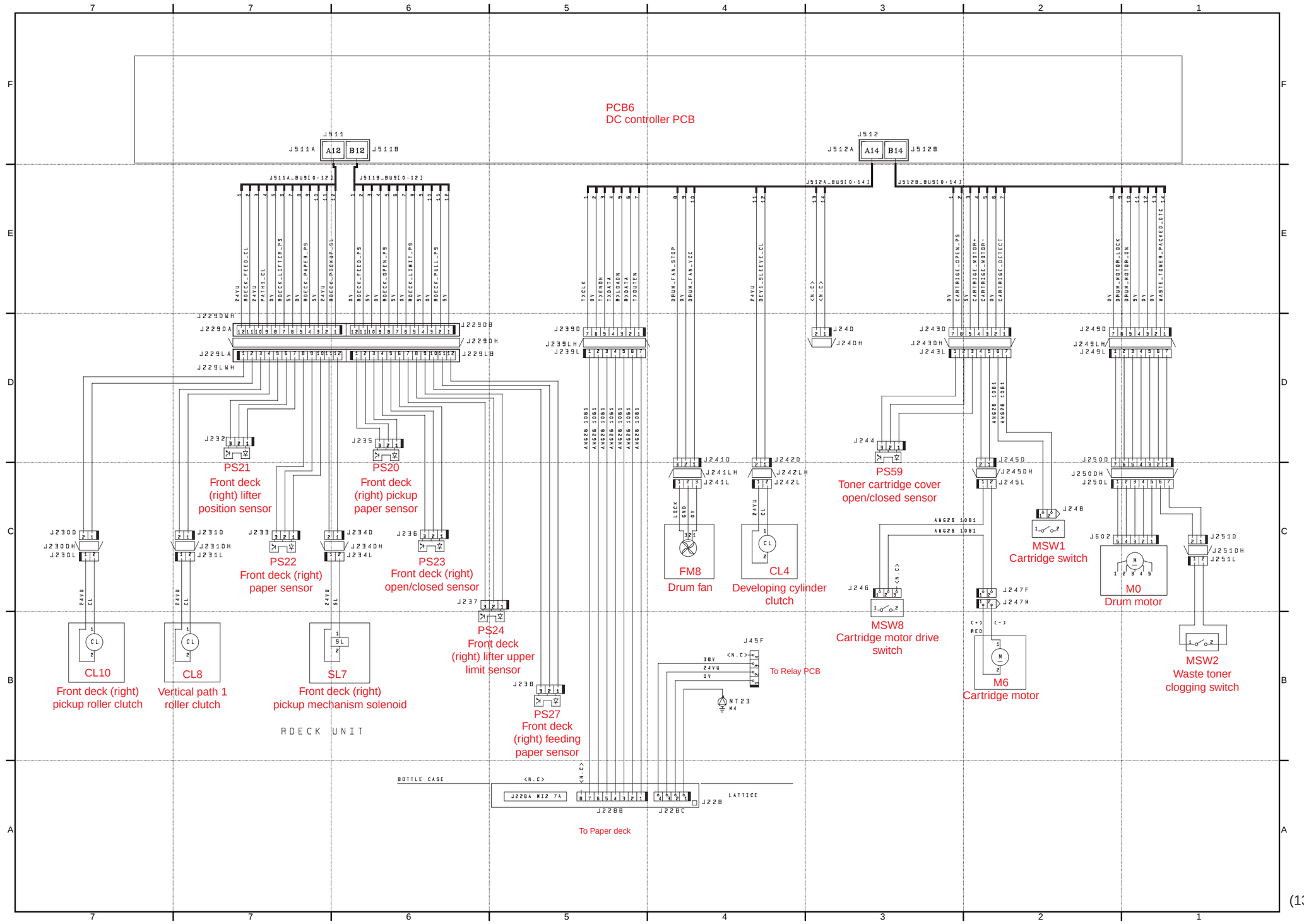
General Circuit Diagram (13/24)
iR105i/iR105+ / iR9070


PCB6
DC controller PCB
J511
14CZ-6Y
A14
B14
J511B
J511A_BUS[0:14]
J511B_BUS[0:14]
J512
J512A
A15
B15
J512B
J512A_BUS[0:15]
J512B_BUS[0:15]
J229DA
J229DH
J229LA
J229LWH
J229DWH
J229DB
J229LB
J232
PS21
Front deck (right) lifter position sensor
J236
PS23
Front deck (right) open/closed sensor
J237
PS24
Front deck (right) lifter upper limit sensor
J233
PS22
Front deck (right) paper sensor
J234D
J234DH
J234L
SL7
Front deck (right) pickup mechanism solenoid
J235D
J235DH
J235L
J278
PS20
Front deck (right) pickup paper sensor
J276
PS27
Front deck (right) feeding paper sensor
J230D
J230DH
J230L
CL10
Front deck (right) pickup roller clutch
J231D
J231DH
J231L
CL8
Vertical path 1 roller clutch
RDECK UNIT
MT101
MT100
J239D
J239LH
J239L
J241D
J241LH
J241L
FM8
Drum fan
J242D
J242LH
J242L
CL4
Developing cylinder clutch
J45F
To Relay PCB
MT23
J228A
J228B
J228C
J228
To Paper deck
J243D
J243DH
J243L
J244
PS59
Toner cartridge cover open/closed sensor
J245D
J245DH
J245L
J246
MSW8
Cartridge motor drive switch
J247F
J247M
M6
Cartridge motor
J24B
MSW1
Cartridge switch
J249D
J249LH
J249L
J602
M0
Drum motor
J250D
J250DH
J250L
J251D
J251DH
J251L
MSW2
Waste toner clogging switch

(13/24)

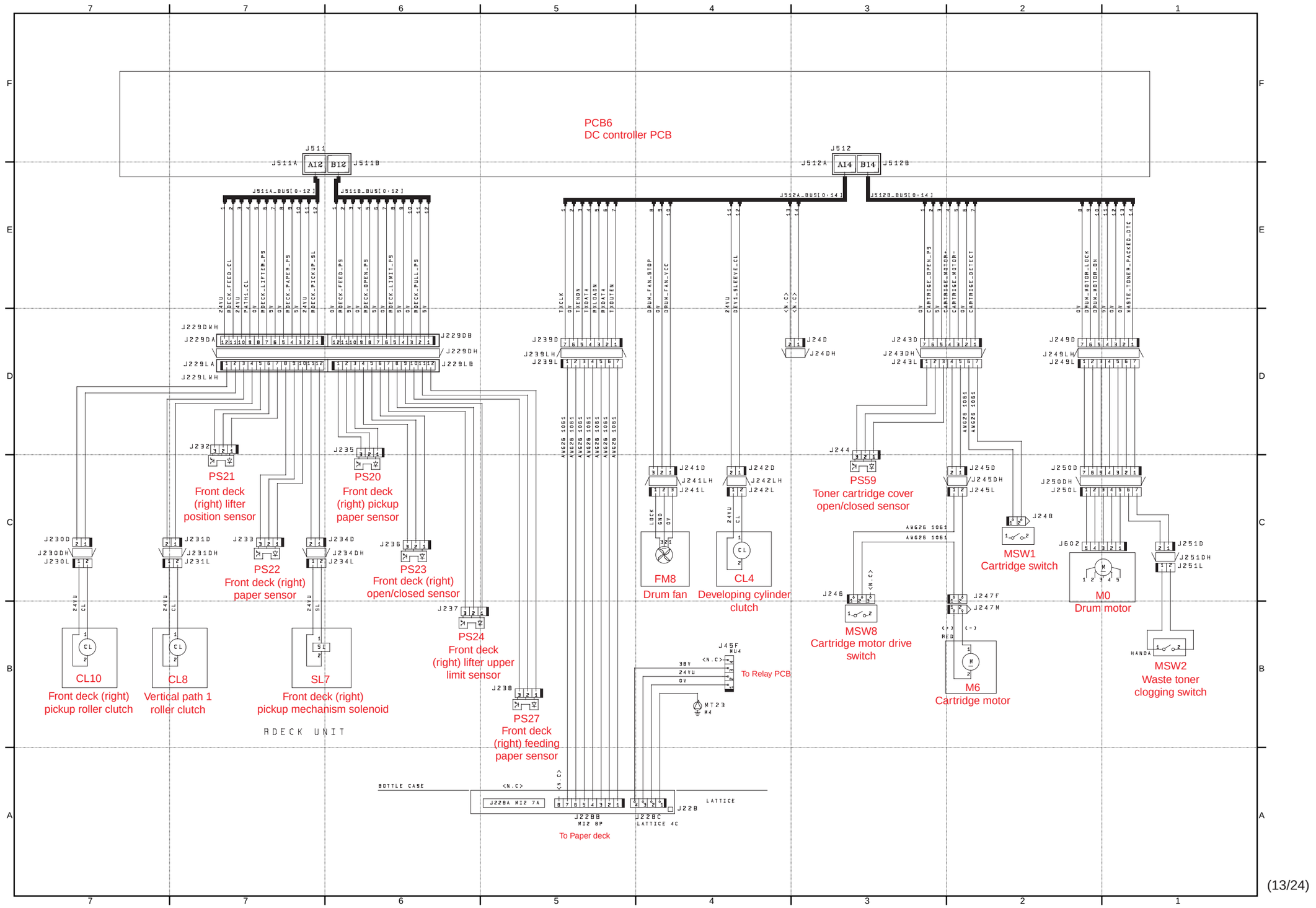
F-2-49

General Circuit Diagram (13/21)
/ iR8070


PCB6
DC controller PCB
J511
J511A
A12
B12
J511B
J512
J512A
A14
B14
J512B
J511A_BUS[0:12]
J511B_BUS[0:12]
J512A_BUS[0:14]
J512B_BUS[0:14]
24VU
RDECK_FEED_CL
PS21
Front deck (right) lifter position sensor
PS20
Front deck (right) pickup paper sensor
PS22
Front deck (right) paper sensor
PS23
Front deck (right) open/closed sensor
PS24
Front deck (right) lifter upper limit sensor
PS27
Front deck (right) feeding paper sensor
PS59
Toner cartridge cover open/closed sensor
MSW1
Cartridge switch
MSW8
Cartridge motor drive switch
MSW2
Waste toner clogging switch
FM8
Drum fan
CL4
Developing cylinder clutch
CL10
Front deck (right) pickup roller clutch
CL8
Vertical path 1 roller clutch
SL7
Front deck (right) pickup mechanism solenoid
M0
Drum motor
M6
Cartridge motor
RDECK UNIT
To Relay PCB
To Paper deck
BOTTLE CASE
LATTICE

(13/21)

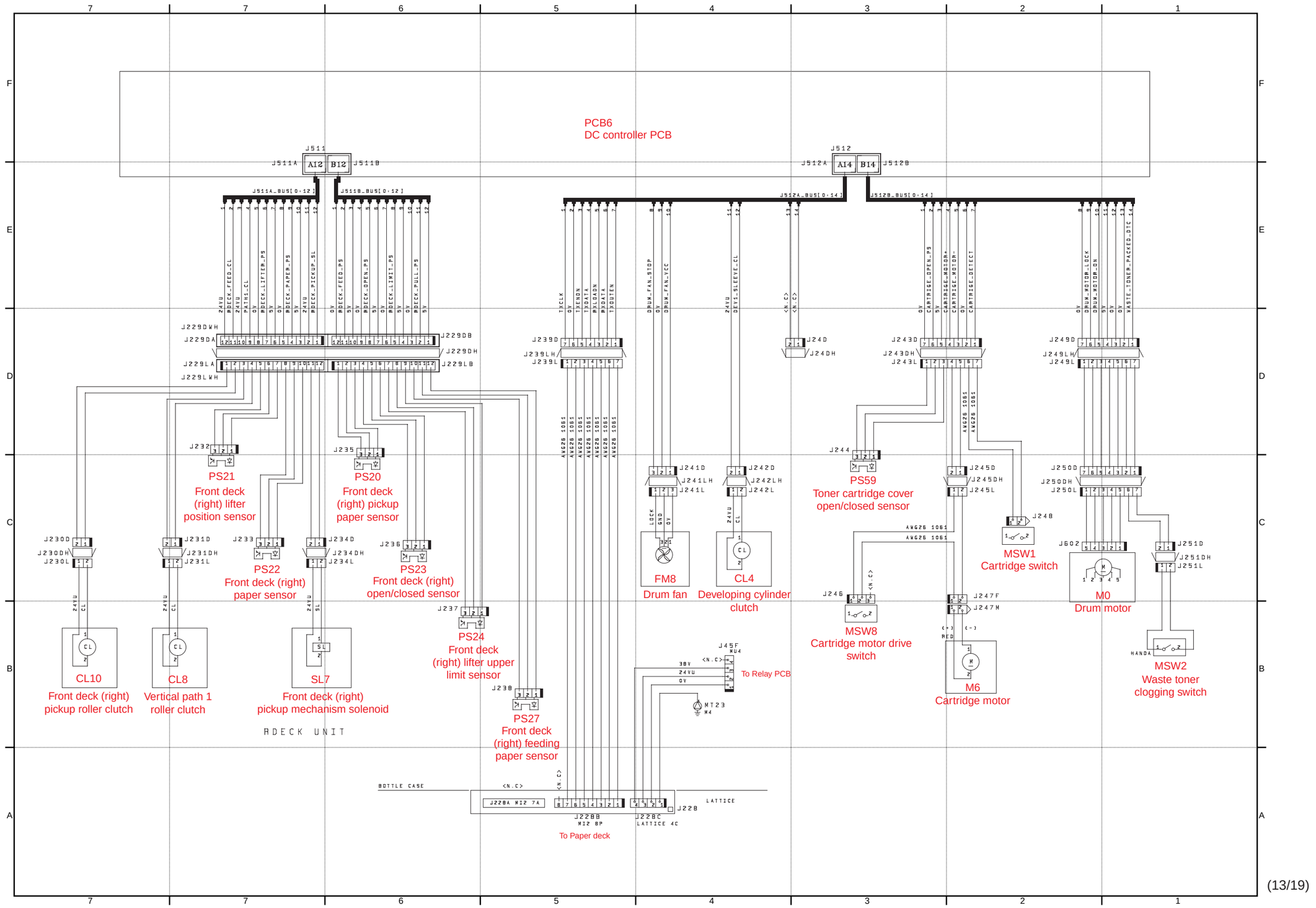
F-2-50


PCB6
DC controller PCB
J511
J511A
A12
B12
J511B
J512
J512A
A14
B14
J512B
J511A_BUS[0:12]
J511B_BUS[0:12]
J512A_BUS[0:14]
J512B_BUS[0:14]
J229DWH
J229DA
J229DB
J229DH
J229LA
J229LB
J229LWH
PS21
Front deck (right) lifter position sensor
PS20
Front deck (right) pickup paper sensor
PS22
Front deck (right) paper sensor
PS23
Front deck (right) open/closed sensor
PS24
Front deck (right) lifter upper limit sensor
PS27
Front deck (right) feeding paper sensor
FM8
Drum fan
CL4
Developing cylinder clutch
PS59
Toner cartridge cover open/closed sensor
MSW1
Cartridge switch
MSW8
Cartridge motor drive switch
M6
Cartridge motor
M0
Drum motor
MSW2
Waste toner clogging switch
CL10
Front deck (right) pickup roller clutch
CL8
Vertical path 1 roller clutch
SL7
Front deck (right) pickup mechanism solenoid
RDECK UNIT
To Relay PCB
To Paper deck
BOTTLE CASE
LATTICE
AWG26 1061
(13/24)

F-2-51

General Circuit Diagram (13/19)

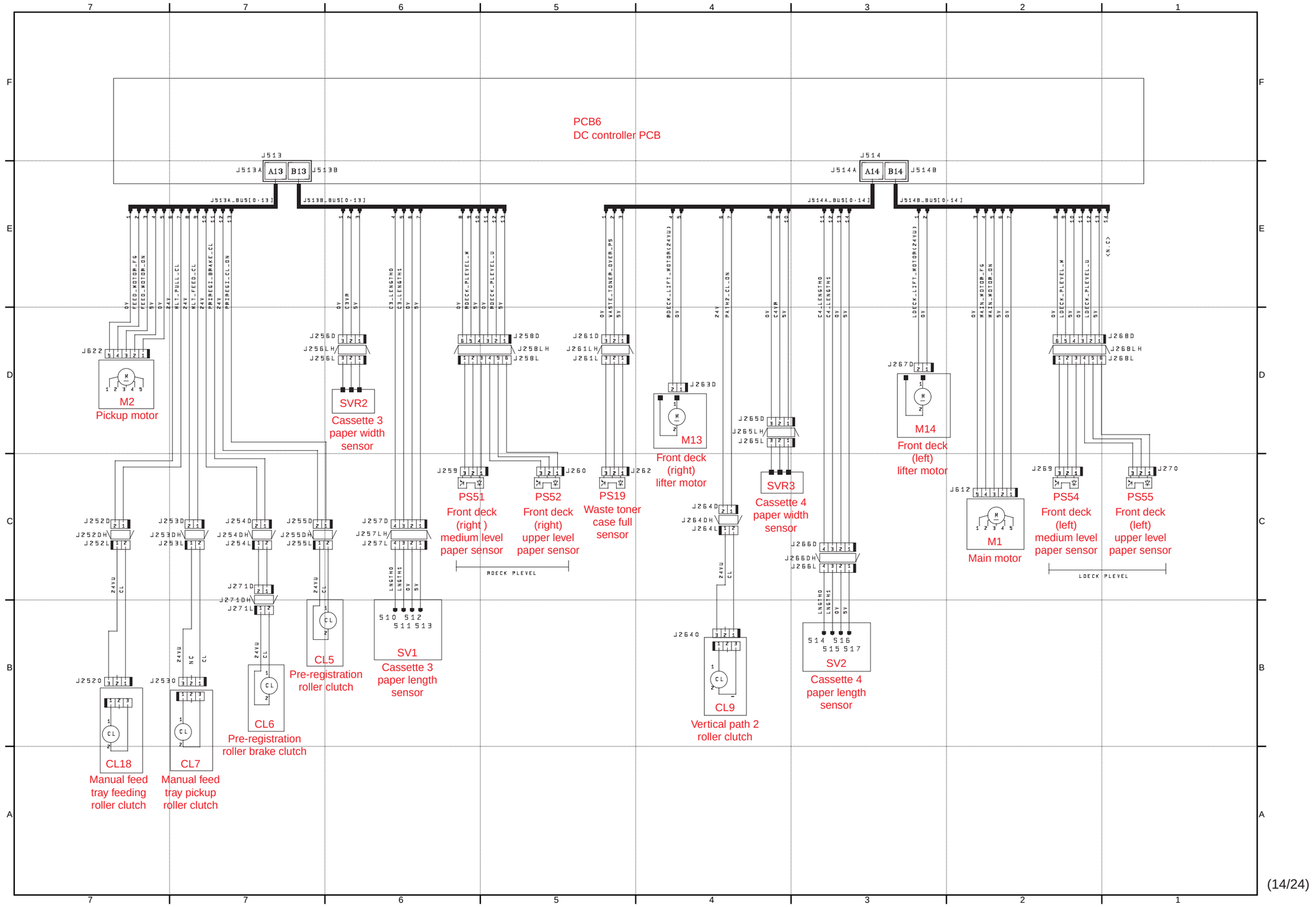
iR85+


PCB6
DC controller PCB
J511
J511A
A12
B12
J511B
J512
J512A
A14
B14
J512B
J511A_BUS[0:12]
J511B_BUS[0:12]
J512A_BUS[0:14]
J512B_BUS[0:14]
J229DWH
J229DA
J229DB
J229DH
J229LA
J229LB
J229LWH
PDECK_FEED_CL
PATH1_CL
PDECK_LIFTER_PS
PDECK_PAPER_PS
PDECK_PICKUP_SL
PDECK_FEED_PS
PDECK_OPEN_PS
PDECK_LIMIT_PS
PDECK_PULL_PS
TXCLK
TXENON
TXDATA
MXLOADN
MXDATA
TXOUTEN
DRUM_FAN_STOP
DRUM_FAN_VCC
DEV1_SLEEVE_CL
CARTRIGE_OPEN_PS
CARTRIGE_MOTOR+
CARTRIGE_MOTOR-
CARTRIGE_DETECT
DRUM_MOTOR_LOCK
DRUM_MOTOR_ON
WASTE_TONER_PACKED_DTC
AWG26 1061
J232
PS21
Front deck (right) lifter position sensor
J235
PS20
Front deck (right) pickup paper sensor
J230D
J230DH
J230L
CL10
Front deck (right) pickup roller clutch
J231D
J231DH
J231L
CL8
Vertical path 1 roller clutch
J233
PS22
Front deck (right) paper sensor
J234D
J234DH
J234L
SL7
Front deck (right) pickup mechanism solenoid
RDECK UNIT
J236
PS23
Front deck (right) open/closed sensor
J237
PS24
Front deck (right) lifter upper limit sensor
J238
PS27
Front deck (right) feeding paper sensor
J239D
J239LH
J239L
J241D
J241LH
J241L
FM8
Drum fan
J242D
J242LH
J242L
CL4
Developing cylinder clutch
J24D
J24DH
J244
PS59
Toner cartridge cover open/closed sensor
J243D
J243DH
J243L
J245D
J245DH
J245L
J248
MSW1
Cartridge switch
J246
MSW8
Cartridge motor drive switch
J247F
J247M
M6
Cartridge motor
J249D
J249LH
J249L
J250D
J250DH
J250L
J602
M0
Drum motor
J251D
J251DH
J251L
MSW2
Waste toner clogging switch
J45F
MU4
To Relay PCB
MT23
M4
BOTTLE CASE
J228A MI2 7A
J228B
MI2 8P
J228C
LATTICE 4C
To Paper deck
LATTICE

(13/19)

F-2-52

General Circuit Diagram (14/24)
iR105i/iR105+ / iR9070


PCB6
DC controller PCB
J513
J513A
A13
B13
J513B
J514
J514A
A14
B14
J514B
J513A_BUS[0:13]
J513B_BUS[0:13]
J514A_BUS[0:14]
J514B_BUS[0:14]
FEED_MOTOR_FG
FEED_MOTOR_ON
MLT_PULL_CL
MLT_FEED_CL
PRIREGI_BRAKE_CL
PRIREGI_CL_ON
C3YR
C3_LENGTH0
C3_LENGTH1
RDECK_PLEVEL_M
RDECK_PLEVEL_U
WASTE_TONER_OVER_PS
RDECK_LIFT_MOTOR(24VU)
PATH2_CL_ON
C4YR
C4_LENGTH0
C4_LENGTH1
LDECK_LIFT_MOTOR(24VU)
MAIN_MOTOR_FG
MAIN_MOTOR_ON
LDECK_PLEVEL_M
LDECK_PLEVEL_U
<N.C>
J622
M2
Pickup motor
J256D
J256LH
J256L
SVR2
Cassette 3 paper width sensor
J258D
J258LH
J258L
J261D
J261LH
J261L
J263D
M13
Front deck (right) lifter motor
J265D
J265LH
J265L
SVR3
Cassette 4 paper width sensor
J267D
M14
Front deck (left) lifter motor
J268D
J268LH
J268L
J612
M1
Main motor
J259
PS51
Front deck (right) medium level paper sensor
J260
PS52
Front deck (right) upper level paper sensor
J262
PS19
Waste toner case full sensor
J269
PS54
Front deck (left) medium level paper sensor
J270
PS55
Front deck (left) upper level paper sensor
RDECK PLEVEL
LDECK PLEVEL
J252D
J252DH
J252L
J253D
J253DH
J253L
J254D
J254DH
J254L
J255D
J255DH
J255L
J257D
J257LH
J257L
J271D
J271DH
J271L
J2520
J2530
J2640
J264D
J264DH
J264L
J266D
J266DH
J266L
CL18
Manual feed tray feeding roller clutch
CL7
Manual feed tray pickup roller clutch
CL6
Pre-registration roller brake clutch
CL5
Pre-registration roller clutch
SV1
Cassette 3 paper length sensor
CL9
Vertical path 2 roller clutch
SV2
Cassette 4 paper length sensor

(14/24)

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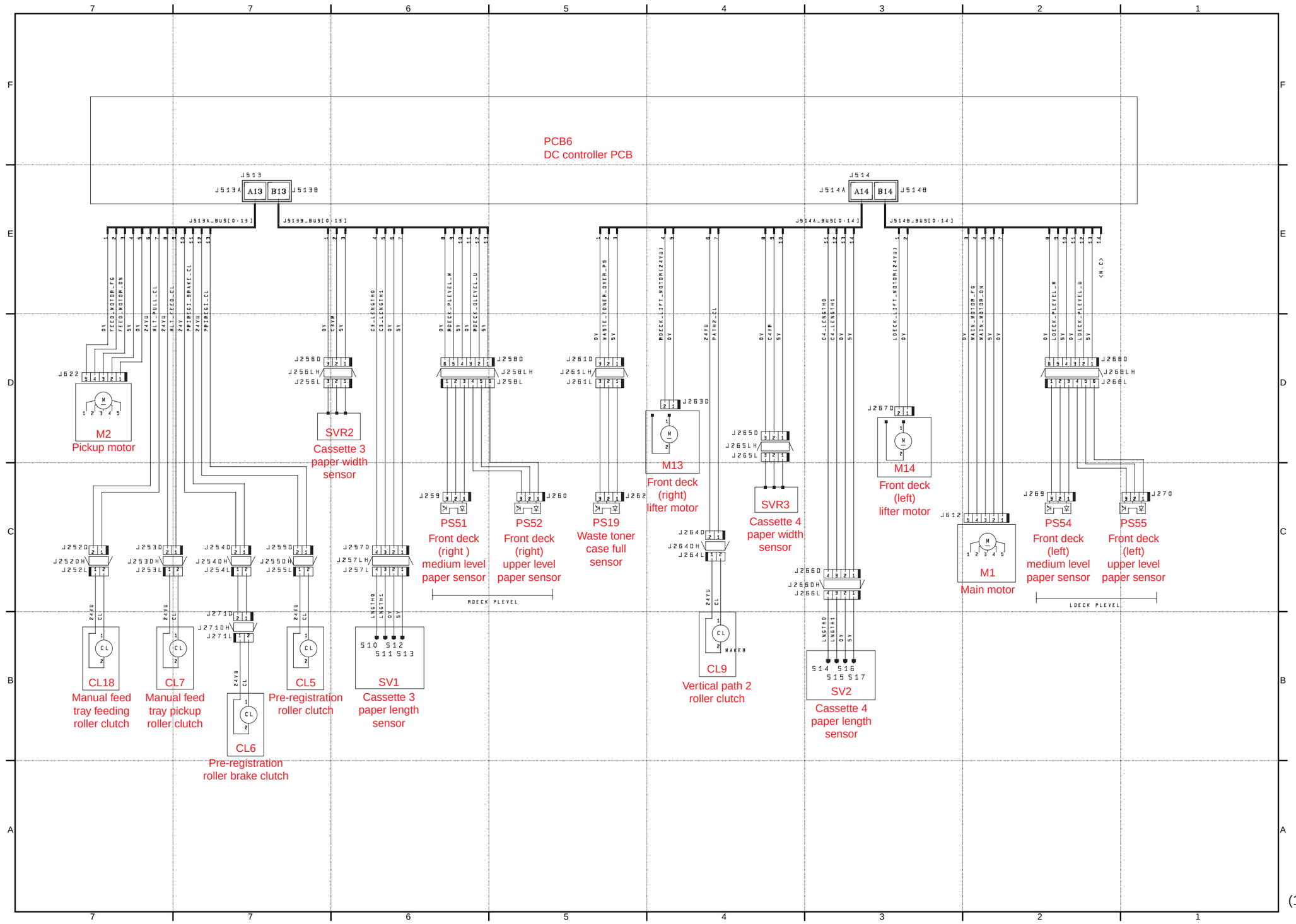
General Circuit Diagram (14/21)
/ iR8070


PCB6
DC controller PCB
J513
J513A
A13
B13
J513B
J514
J514A
A14
B14
J514B
J513A_BUS[0:13]
J513B_BUS[0:13]
J514A_BUS[0:14]
J514B_BUS[0:14]
M2
Pickup motor
SVR2
Cassette 3 paper width sensor
M13
Front deck (right) lifter motor
SVR3
Cassette 4 paper width sensor
M14
Front deck (left) lifter motor
PS51
Front deck (right) medium level paper sensor
PS52
Front deck (right) upper level paper sensor
PS19
Waste toner case full sensor
PS54
Front deck (left) medium level paper sensor
PS55
Front deck (left) upper level paper sensor
RDECK PLEVEL
LDECK PLEVEL
M1
Main motor
CL18
Manual feed tray feeding roller clutch
CL7
Manual feed tray pickup roller clutch
CL6
Pre-registration roller brake clutch
CL5
Pre-registration roller clutch
SV1
Cassette 3 paper length sensor
CL9
Vertical path 2 roller clutch
SV2
Cassette 4 paper length sensor

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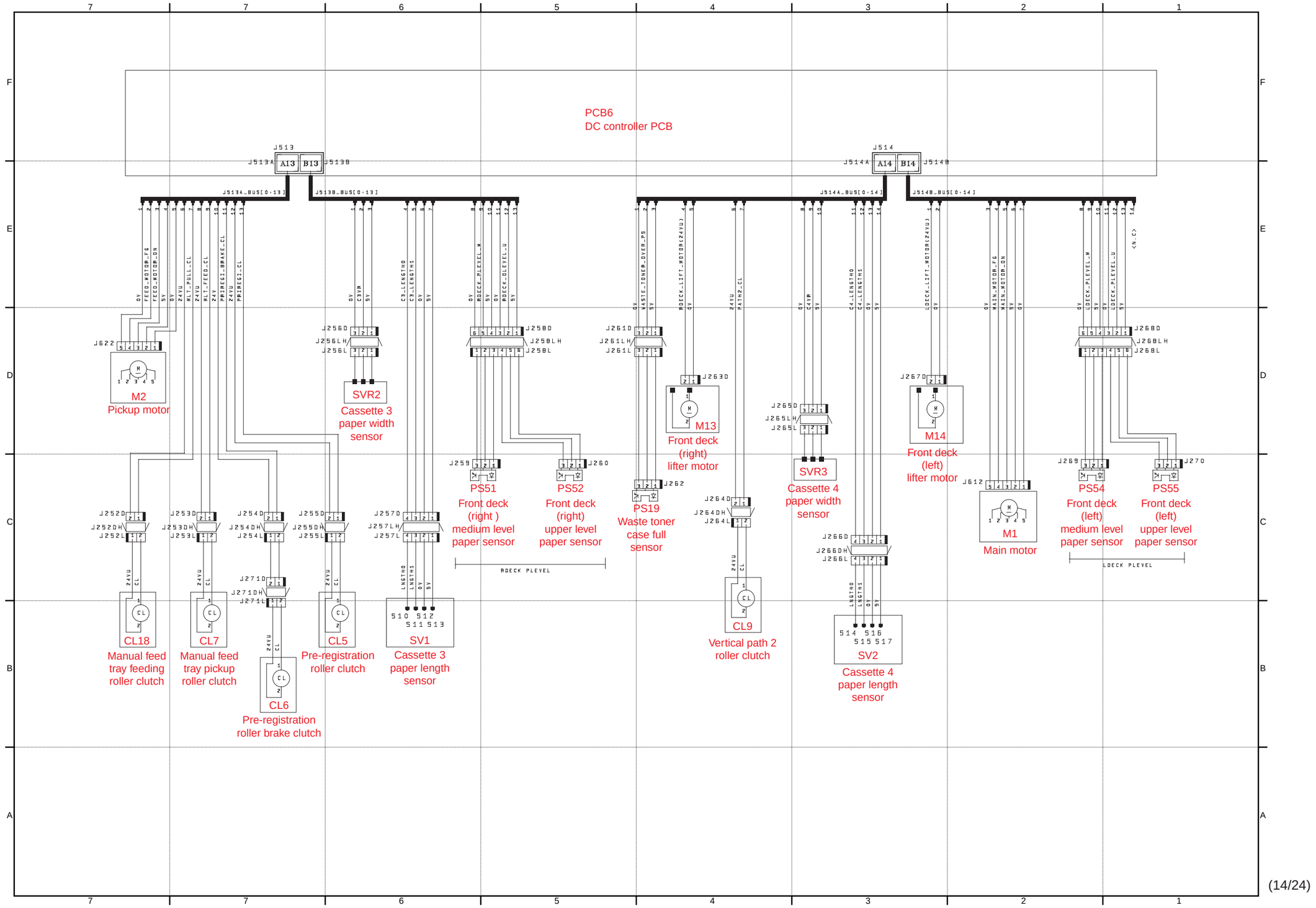
PCB6
DC controller PCB
J513
J513A
A13
B13
J513B
J514
J514A
A14
B14
J514B
J513A_BUS[0:13]
J513B_BUS[0:13]
J514A_BUS[0:14]
J514B_BUS[0:14]
0V
FEED_MOTOR_FG
FEED_MOTOR_ON
5V
24VU
MLT_PULL_CL
MLT_FEED_CL
24V
PRIREGI_BRAKE_CL
PRIREGI_CL
C3VR
C3_LENGTH0
C3_LENGTH1
RDECK_PLEVEL_M
RDECK_PLEVEL_U
WASTE_TONER_OVER_PS
RDECK_LIFT_MOTOR(24VU)
PATH2_CL
C4VR
C4_LENGTH0
C4_LENGTH1
LDECK_LIFT_MOTOR(24VU)
MAIN_MOTOR_FG
MAIN_MOTOR_ON
LDECK_PLEVEL_M
LDECK_PLEVEL_U
<N.C>
J622
M2
Pickup motor
J256D
J256LH
J256L
SVR2
Cassette 3 paper width sensor
J258D
J258LH
J258L
J259
PS51
Front deck (right) medium level paper sensor
J260
PS52
Front deck (right) upper level paper sensor
RDECK PLEVEL
J261D
J261LH
J261L
J263D
M13
Front deck (right) lifter motor
J262
PS19
Waste toner case full sensor
J264D
J264DH
J264L
CL9
Vertical path 2 roller clutch
J265D
J265LH
J265L
SVR3
Cassette 4 paper width sensor
J266D
J266DH
J266L
SV2
Cassette 4 paper length sensor
J267D
M14
Front deck (left) lifter motor
J612
M1
Main motor
J268D
J268LH
J268L
J269
PS54
Front deck (left) medium level paper sensor
J270
PS55
Front deck (left) upper level paper sensor
LDECK PLEVEL
J252D
J252DH
J252L
CL18
Manual feed tray feeding roller clutch
J253D
J253DH
J253L
CL7
Manual feed tray pickup roller clutch
J254D
J254DH
J254L
J271D
J271DH
J271L
CL6
Pre-registration roller brake clutch
J255D
J255DH
J255L
CL5
Pre-registration roller clutch
J257D
J257LH
J257L
LNGTH0
LNGTH1
510 512
511 513
SV1
Cassette 3 paper length sensor
CL
1
2
M
1 2 3 4 5
3 2 1
5 4 3 2 1
6 5 4 3 2 1
1 2 3 4 5 6
7 6 5 4 3 2 1
1 2 3 4 5 6 7
8 7 6 5 4 3 2 1
1 2 3 4 5 6 7 8
9 8 7 6 5 4 3 2 1
1 2 3 4 5 6 7 8 9
10 9 8 7 6 5 4 3 2 1
1 2 3 4 5 6 7 8 9 10
11 10 9 8 7 6 5 4 3 2 1
1 2 3 4 5 6 7 8 9 10 11
12 11 10 9 8 7 6 5 4 3 2 1
1 2 3 4 5 6 7 8 9 10 11 12
13 12 11 10 9 8 7 6 5 4 3 2 1
1 2 3 4 5 6 7 8 9 10 11 12 13
14 13 12 11 10 9 8 7 6 5 4 3 2 1
1 2 3 4 5 6 7 8 9 10 11 12 13 14
514 516
515 517
7 7 6 5 4 3 2 1
F E D C B A

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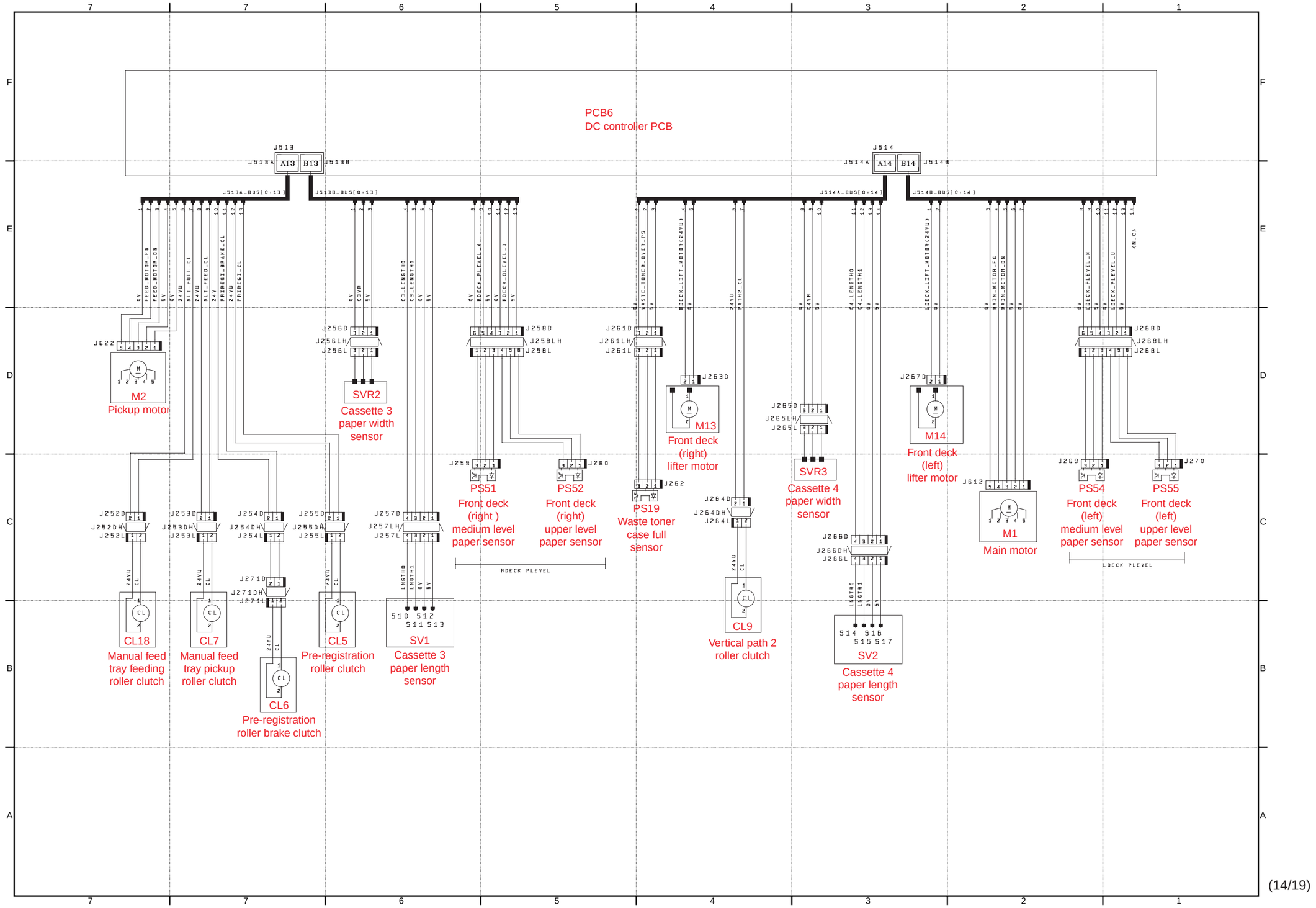
General Circuit Diagram (14/19)

iR85+


PCB6
DC controller PCB
J513
J513A
A13
B13
J513B
J514
J514A
A14
B14
J514B
J513A_BUS[0:13]
J513B_BUS[0:13]
J514A_BUS[0:14]
J514B_BUS[0:14]
J622
M2
Pickup motor
J256D
J256LH
J256L
SVR2
Cassette 3 paper width sensor
J258D
J258LH
J258L
J259
PS51
Front deck (right) medium level paper sensor
J260
PS52
Front deck (right) upper level paper sensor
RDECK PLEVEL
J261D
J261LH
J261L
J263D
M13
Front deck (right) lifter motor
J262
PS19
Waste toner case full sensor
J264D
J264DH
J264L
CL9
Vertical path 2 roller clutch
J265D
J265LH
J265L
SVR3
Cassette 4 paper width sensor
J266D
J266DH
J266L
SV2
Cassette 4 paper length sensor
J267D
M14
Front deck (left) lifter motor
J612
M1
Main motor
J268D
J268LH
J268L
J269
PS54
Front deck (left) medium level paper sensor
J270
PS55
Front deck (left) upper level paper sensor
LDECK PLEVEL
J252D
J252DH
J252L
CL18
Manual feed tray feeding roller clutch
J253D
J253DH
J253L
CL7
Manual feed tray pickup roller clutch
J254D
J254DH
J254L
J271D
J271DH
J271L
CL6
Pre-registration roller brake clutch
J255D
J255DH
J255L
CL5
Pre-registration roller clutch
J257D
J257LH
J257L
SV1
Cassette 3 paper length sensor
510 512
511 513
514 516
515 517

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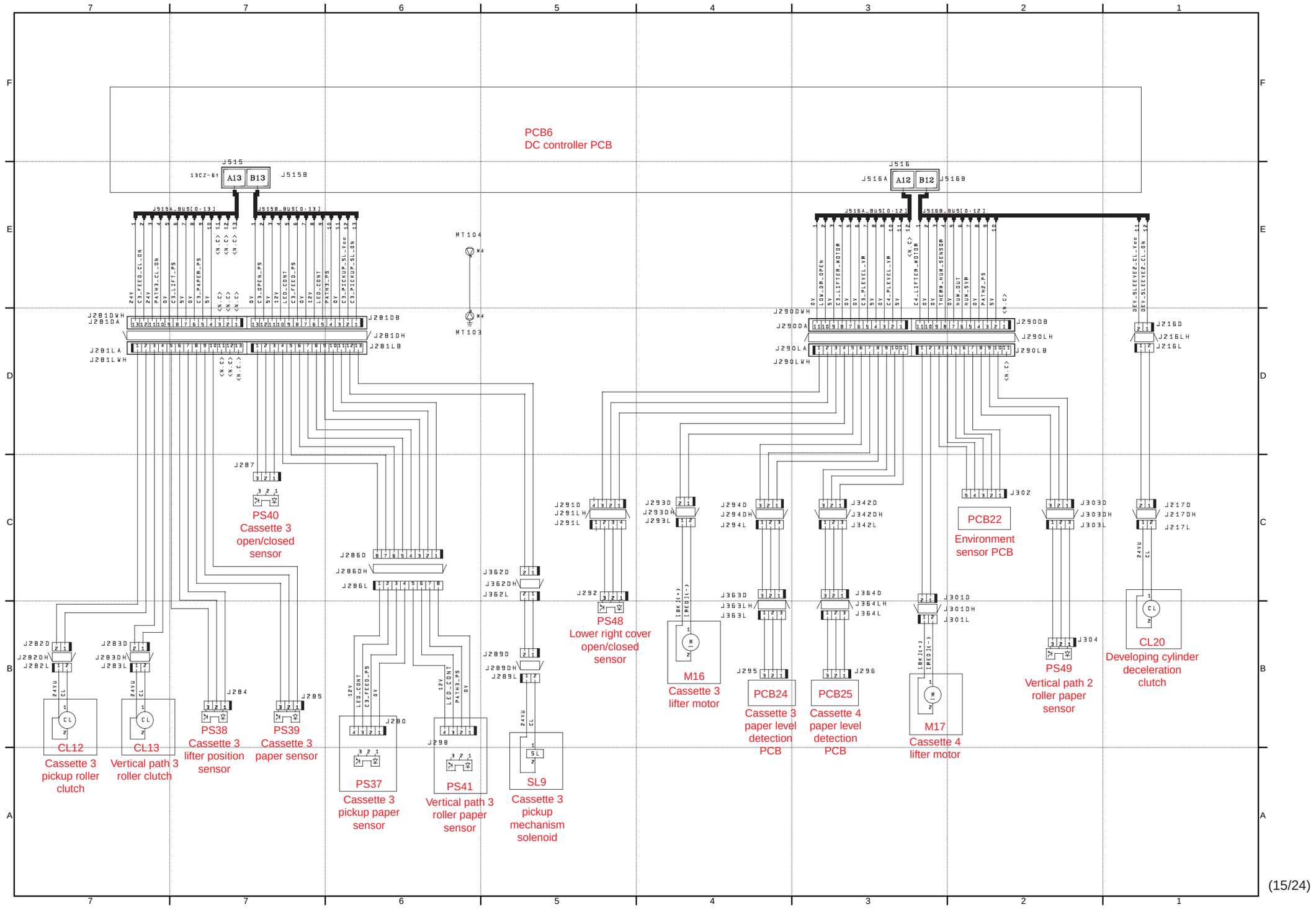
General Circuit Diagram (15/24)
iR105i/iR105+ / iR9070


PCB6
DC controller PCB
J515
13CZ-6Y
A13
B13
J515B
J515A_BUS[0:13]
J515B_BUS[0:13]
24V
C3_FEED_CL_DN
PATH3_CL_DN
C3_LIFT_PS
C3_PAPER_PS
<N.C>
C3_OPEN_PS
LED_CONT
C3_FEED_PS
PATH3_PS
C3_PICKUP_SL_Vcc
C3_PICKUP_SL_DN
J516
J516A
A12
B12
J516B
J516A_BUS[0:12]
J516B_BUS[0:12]
LOW_DR_OPEN
C3_LIFTER_MOTOR
C3_PLEVEL_VR
C4_PLEVEL_VR
C4_LIFTER_MOTOR
THERM_HUM_SENSOR
HUM_OUT
HUM_5VR
PATH2_PS
DEV_SLEEVE2_CL_Vcc
DEV_SLEEVE2_CL_DN
MT104
M4
M4
MT103
J281DWH
J281DA
J281DB
J281DH
J281LA
J281LWH
J281LB
J290DWH
J290DA
J290DB
J290LH
J290LA
J290LWH
J290LB
J216D
J216LH
J216L
J287
PS40
Cassette 3
open/closed
sensor
J291D
J291LH
J291L
J293D
J293DH
J293L
J294D
J294DH
J294L
J342D
J342DH
J342L
J302
PCB22
Environment
sensor PCB
J303D
J303DH
J303L
J217D
J217DH
J217L
24VU
CL
J286D
J286DH
J286L
J362D
J362DH
J362L
J292
PS48
Lower right cover
open/closed
sensor
[BK](-)
[RED](-)
J363D
J363LH
J363L
J364D
J364LH
J364L
J301D
J301DH
J301L
J304
PS49
Vertical path 2
roller paper
sensor
CL20
Developing cylinder
deceleration
clutch
J282D
J282DH
J282L
J283D
J283DH
J283L
CL12
Cassette 3
pickup roller
clutch
CL13
Vertical path 3
roller clutch
J284
PS38
Cassette 3
lifter position
sensor
J285
PS39
Cassette 3
paper sensor
J280
12V
LED_CONT
C3_FEED_PS
0V
PS37
Cassette 3
pickup paper
sensor
J298
PATH3_PS
PS41
Vertical path 3
roller paper
sensor
J289D
J289DH
J289L
SL9
Cassette 3
pickup
mechanism
solenoid
M16
Cassette 3
lifter motor
J295
PCB24
Cassette 3
paper level
detection
PCB
J296
PCB25
Cassette 4
paper level
detection
PCB
M17
Cassette 4
lifter motor

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General Circuit Diagram (15/21)
/ iR8070

PCB6
DC controller PCB

PS37
Cassette 3 pickup paper sensor

PS40
Cassette 3 open/closed sensor

PS41
Vertical path 3 roller paper sensor

PS48
Lower right cover open/closed sensor

SL9
Cassette 3 pickup mechanism solenoid

M16
Cassette 3 lifter motor

PCB24
Cassette 3 paper level detection PCB

PCB25
Cassette 4 paper level detection PCB

M17
Cassette 4 lifter motor

PCB22
Environment sensor PCB

PS49
Vertical path 2 roller paper sensor

CL20
Developing cylinder deceleration clutch

CL12
Cassette 3 pickup roller clutch

CL13
Vertical path 3 roller clutch

PS38
Cassette 3 lifter position sensor

PS39
Cassette 3 paper sensor

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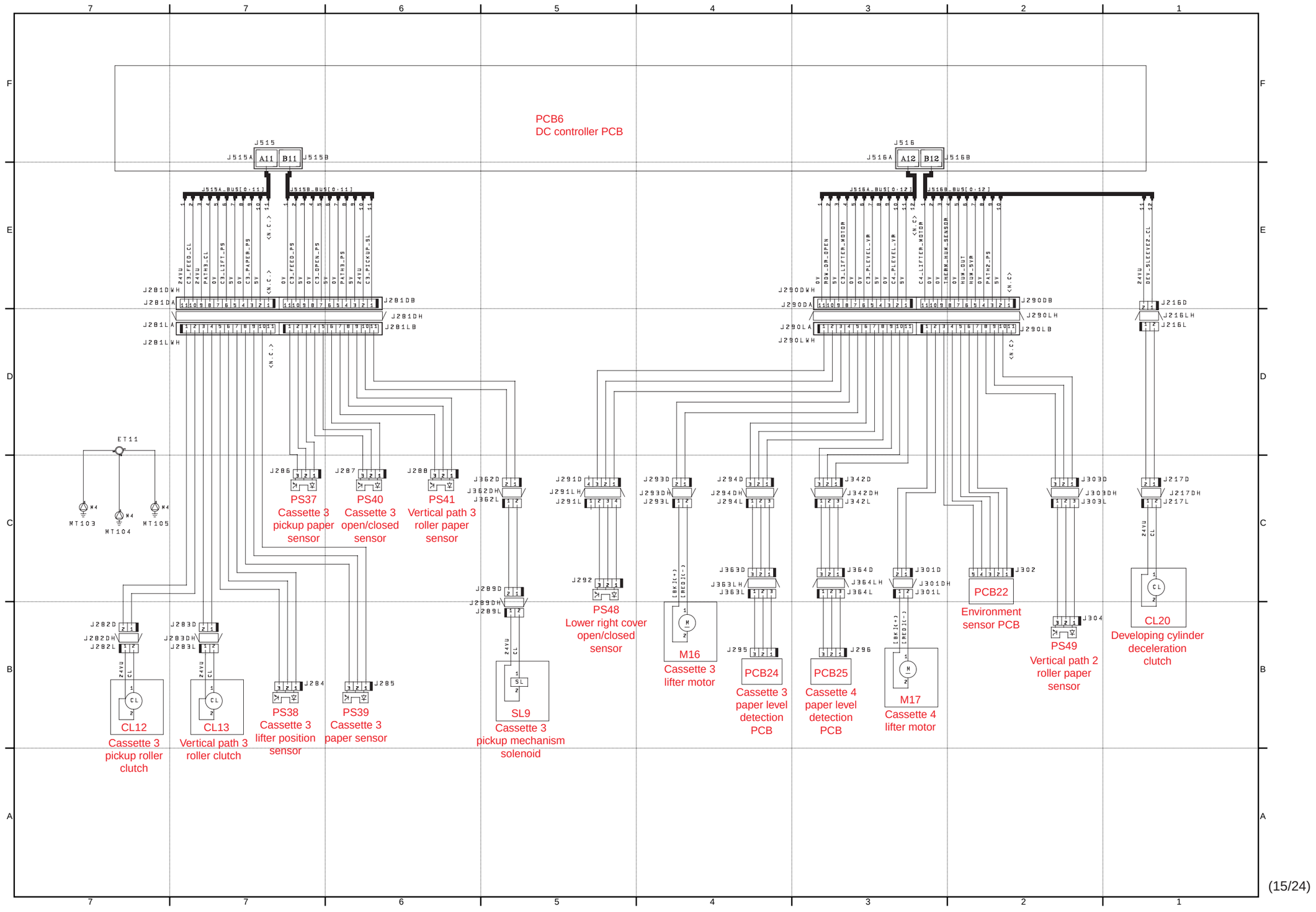
PCB6
DC controller PCB
J515
J515A
A11
B11
J515B
J516
J516A
A12
B12
J516B
PS37
Cassette 3 pickup paper sensor
PS40
Cassette 3 open/closed sensor
PS41
Vertical path 3 roller paper sensor
PS48
Lower right cover open/closed sensor
M16
Cassette 3 lifter motor
PCB24
Cassette 3 paper level detection PCB
PCB25
Cassette 4 paper level detection PCB
M17
Cassette 4 lifter motor
PCB22
Environment sensor PCB
PS49
Vertical path 2 roller paper sensor
CL20
Developing cylinder deceleration clutch
CL12
Cassette 3 pickup roller clutch
CL13
Vertical path 3 roller clutch
PS38
Cassette 3 lifter position sensor
PS39
Cassette 3 paper sensor
SL9
Cassette 3 pickup mechanism solenoid
ET11
MT103
MT104
MT105
(15/24)

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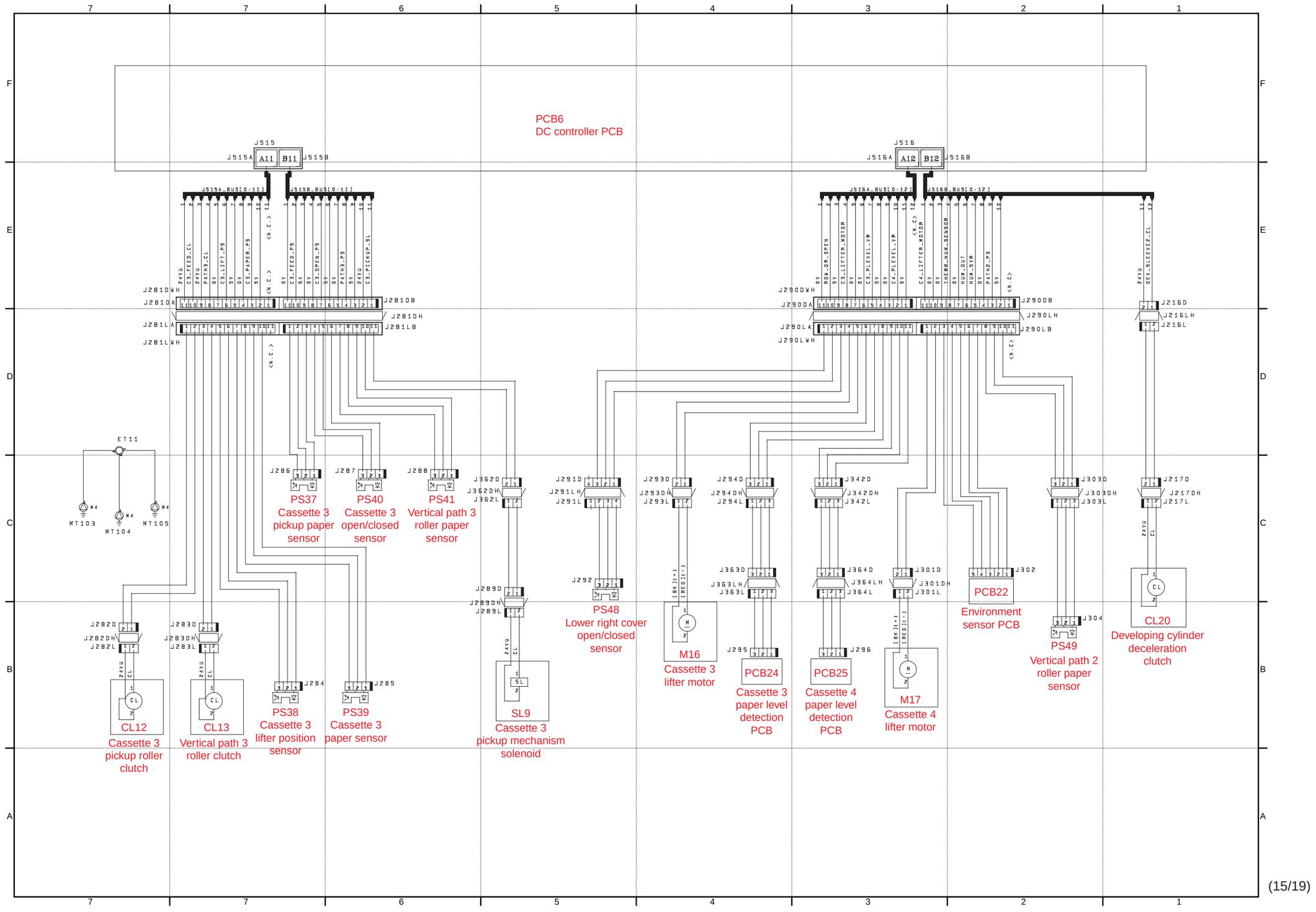
General Circuit Diagram (15/19)

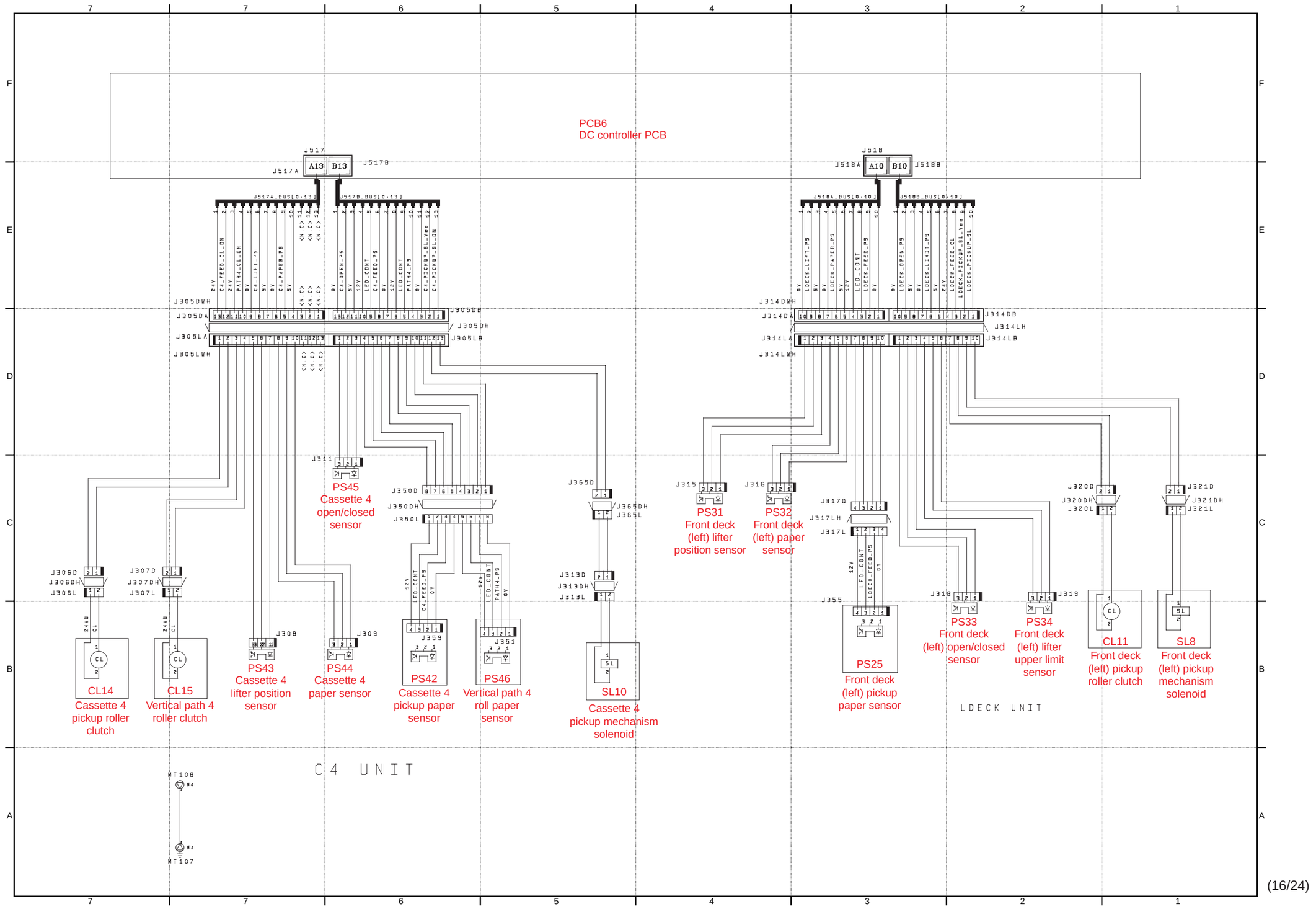
iR85+


PCB6
DC controller PCB
J515
J515A
A11
B11
J515B
J516
J516A
A12
B12
J516B
PS37
Cassette 3 pickup paper sensor
PS40
Cassette 3 open/closed sensor
PS41
Vertical path 3 roller paper sensor
PS48
Lower right cover open/closed sensor
M16
Cassette 3 lifter motor
PCB24
Cassette 3 paper level detection PCB
PCB25
Cassette 4 paper level detection PCB
M17
Cassette 4 lifter motor
PCB22
Environment sensor PCB
PS49
Vertical path 2 roller paper sensor
CL20
Developing cylinder deceleration clutch
CL12
Cassette 3 pickup roller clutch
CL13
Vertical path 3 roller clutch
PS38
Cassette 3 lifter position sensor
PS39
Cassette 3 paper sensor
SL9
Cassette 3 pickup mechanism solenoid
ET11
MT103
MT104
MT105

(15/19)

F-2-60

General Circuit Diagram (16/24)
iR105i/iR105+ / iR9070


PCB6
DC controller PCB
J517
J517A
A13
B13
J517B
J518
J518A
A10
B10
J518B
J517A_BUS[0:13]
J517B_BUS[0:13]
J518A_BUS[0:10]
J518B_BUS[0:10]
J305DWH
J305DA
J305DB
J305DH
J305LA
J305LB
J305LWH
J314DWH
J314DA
J314DB
J314LH
J314LA
J314LB
J314LWH
J311
PS45
Cassette 4
open/closed
sensor
J350D
J350DH
J350L
J365D
J365DH
J365L
J315
PS31
Front deck
(left) lifter
position sensor
J316
PS32
Front deck
(left) paper
sensor
J317D
J317LH
J317L
J320D
J320DH
J320L
J321D
J321DH
J321L
J306D
J306DH
J306L
J307D
J307DH
J307L
CL14
Cassette 4
pickup roller
clutch
CL15
Vertical path 4
roller clutch
J308
PS43
Cassette 4
lifter position
sensor
J309
PS44
Cassette 4
paper sensor
J359
PS42
Cassette 4
pickup paper
sensor
J351
PS46
Vertical path 4
roll paper
sensor
J313D
J313DH
J313L
SL10
Cassette 4
pickup mechanism
solenoid
J355
PS25
Front deck
(left) pickup
paper sensor
J318
PS33
Front deck
(left) open/closed
sensor
J319
PS34
Front deck
(left) lifter
upper limit
sensor
CL11
Front deck
(left) pickup
roller clutch
SL8
Front deck
(left) pickup
mechanism
solenoid
LDECK UNIT
C4 UNIT
MT108
MT107
M4
M4

(16/24)

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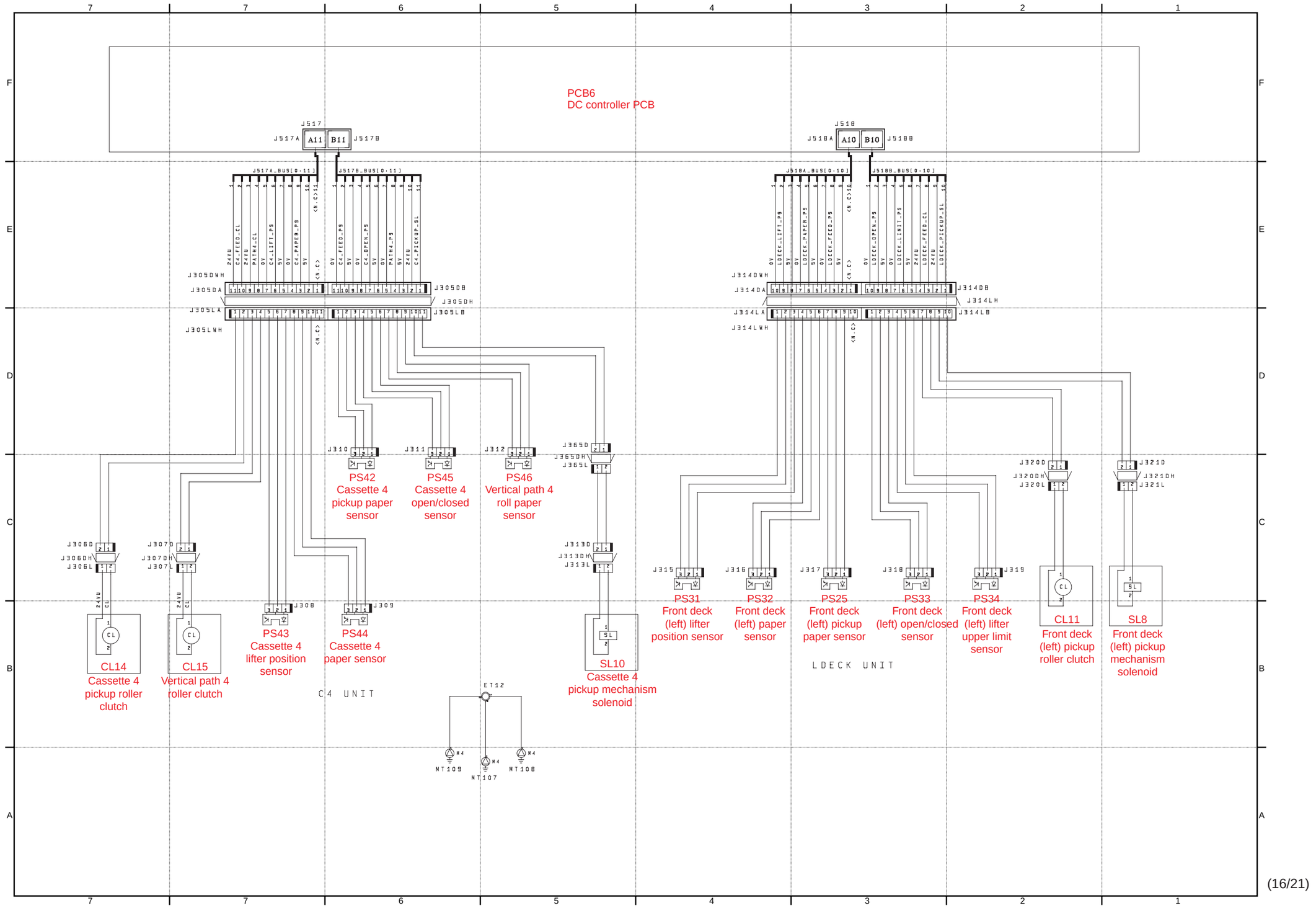
General Circuit Diagram (16/21)
/ iR8070


PCB6
DC controller PCB
J517
J517A
A11
B11
J517B
J518
J518A
A10
B10
J518B
J517A_BUS[0:11]
J517B_BUS[0:11]
J518A_BUS[0:10]
J518B_BUS[0:10]
<N.C>11
<N.C>10
<N.C>
24VU
C4_FEED_CL
PATH4_CL
0V
C4_LIFT_PS
5V
C4_PAPER_PS
C4_FEED_PS
C4_OPEN_PS
PATH4_PS
C4_PICKUP_SL
LDECK_LIFT_PS
LDECK_PAPER_PS
LDECK_FEED_PS
LDECK_OPEN_PS
LDECK_LIMIT_PS
LDECK_FEED_CL
LDECK_PICKUP_SL
J305DWH
J305DA
J305DB
J305DH
J305LA
J305LB
J305LWH
J314DWH
J314DA
J314DB
J314LH
J314LA
J314LB
J314LWH
J310
J311
J312
J365D
J365DH
J365L
PS42
Cassette 4
pickup paper
sensor
PS45
Cassette 4
open/closed
sensor
PS46
Vertical path 4
roll paper
sensor
J306D
J306DH
J306L
J307D
J307DH
J307L
J308
J309
J313D
J313DH
J313L
J315
J316
J317
J318
J319
J320D
J320DH
J320L
J321D
J321DH
J321L
PS31
Front deck
(left) lifter
position sensor
PS32
Front deck
(left) paper
sensor
PS25
Front deck
(left) pickup
paper sensor
PS33
Front deck
(left) open/closed
sensor
PS34
Front deck
(left) lifter
upper limit
sensor
CL11
Front deck
(left) pickup
roller clutch
SL8
Front deck
(left) pickup
mechanism
solenoid
CL14
Cassette 4
pickup roller
clutch
CL15
Vertical path 4
roller clutch
PS43
Cassette 4
lifter position
sensor
PS44
Cassette 4
paper sensor
C4 UNIT
SL10
Cassette 4
pickup mechanism
solenoid
LDECK UNIT
ET12
M4
MT109
MT107
MT108
CL
SL
7
6
5
4
3
2
1
F
E
D
C
B
A

(16/21)

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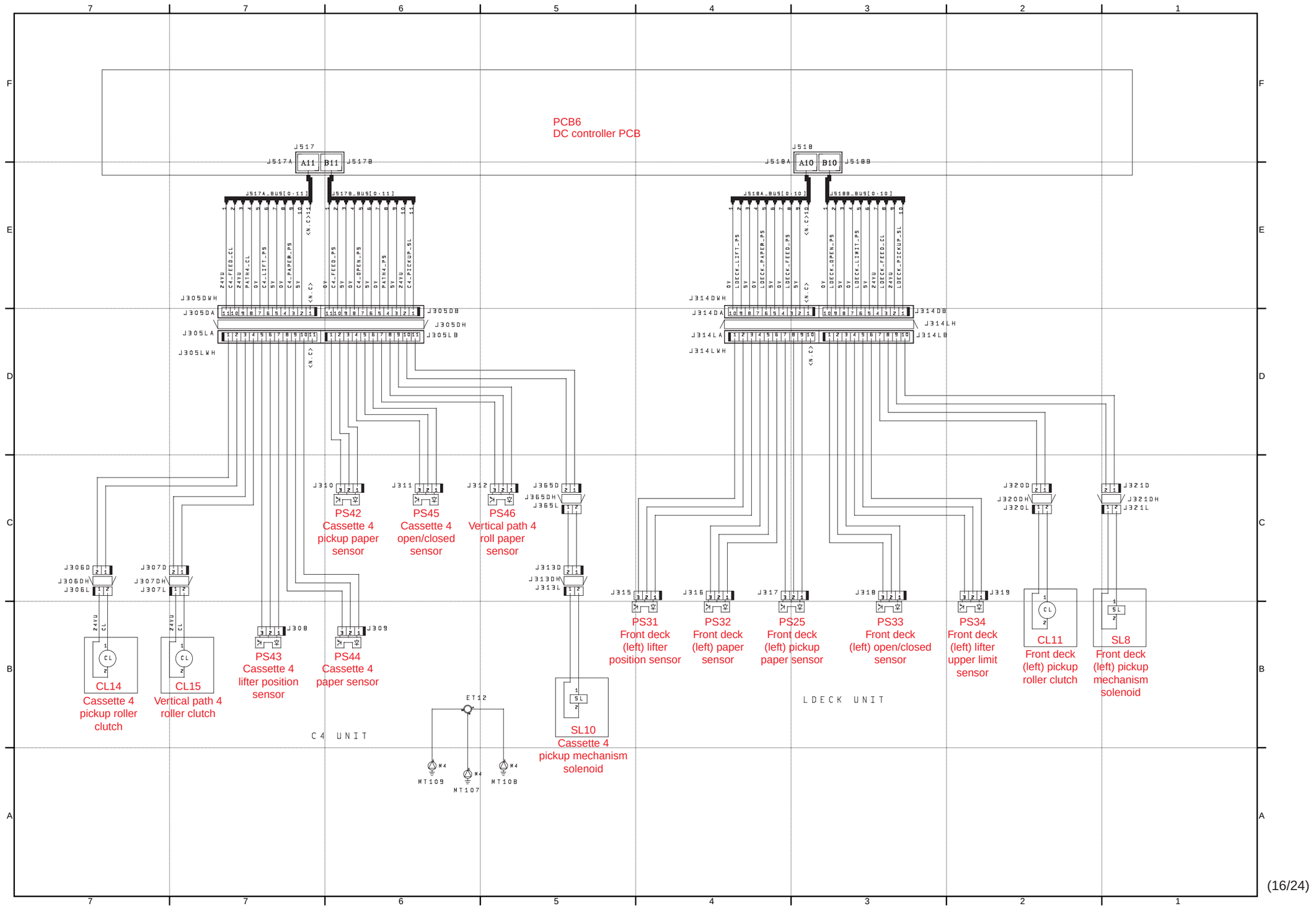
PCB6
DC controller PCB
J517
J517A
A11
B11
J517B
J518
J518A
A10
B10
J518B
J517A_BUS[0:11]
J517B_BUS[0:11]
J518A_BUS[0:10]
J518B_BUS[0:10]
<N.C>14
<N.C>15
<N.C>
24VU
C4_FEED_CL
PATH4_CL
0V
C4_LIFT_PS
5V
C4_PAPER_PS
C4_FEED_PS
C4_OPEN_PS
PATH4_PS
C4_PICKUP_SL
LDECK_LIFT_PS
LDECK_PAPER_PS
LDECK_FEED_PS
LDECK_OPEN_PS
LDECK_LIMIT_PS
LDECK_FEED_CL
LDECK_PICKUP_SL
J305DWH
J305DA
J305DB
J305DH
J305LA
J305LB
J305LWH
J314DWH
J314DA
J314DB
J314LH
J314LA
J314LB
J314LWH
J310
J311
J312
J365D
J365DH
J365L
PS42
Cassette 4
pickup paper
sensor
PS45
Cassette 4
open/closed
sensor
PS46
Vertical path 4
roll paper
sensor
J320D
J320DH
J320L
J321D
J321DH
J321L
J306D
J306DH
J306L
J307D
J307DH
J307L
J313D
J313DH
J313L
J315
J316
J317
J318
J319
PS31
Front deck
(left) lifter
position sensor
PS32
Front deck
(left) paper
sensor
PS25
Front deck
(left) pickup
paper sensor
PS33
Front deck
(left) open/closed
sensor
PS34
Front deck
(left) lifter
upper limit
sensor
CL11
Front deck
(left) pickup
roller clutch
SL8
Front deck
(left) pickup
mechanism
solenoid
CL14
Cassette 4
pickup roller
clutch
CL15
Vertical path 4
roller clutch
J308
J309
PS43
Cassette 4
lifter position
sensor
PS44
Cassette 4
paper sensor
ET12
M4
MT109
MT107
MT108
SL10
Cassette 4
pickup mechanism
solenoid
C4 UNIT
LDECK UNIT

(16/24)

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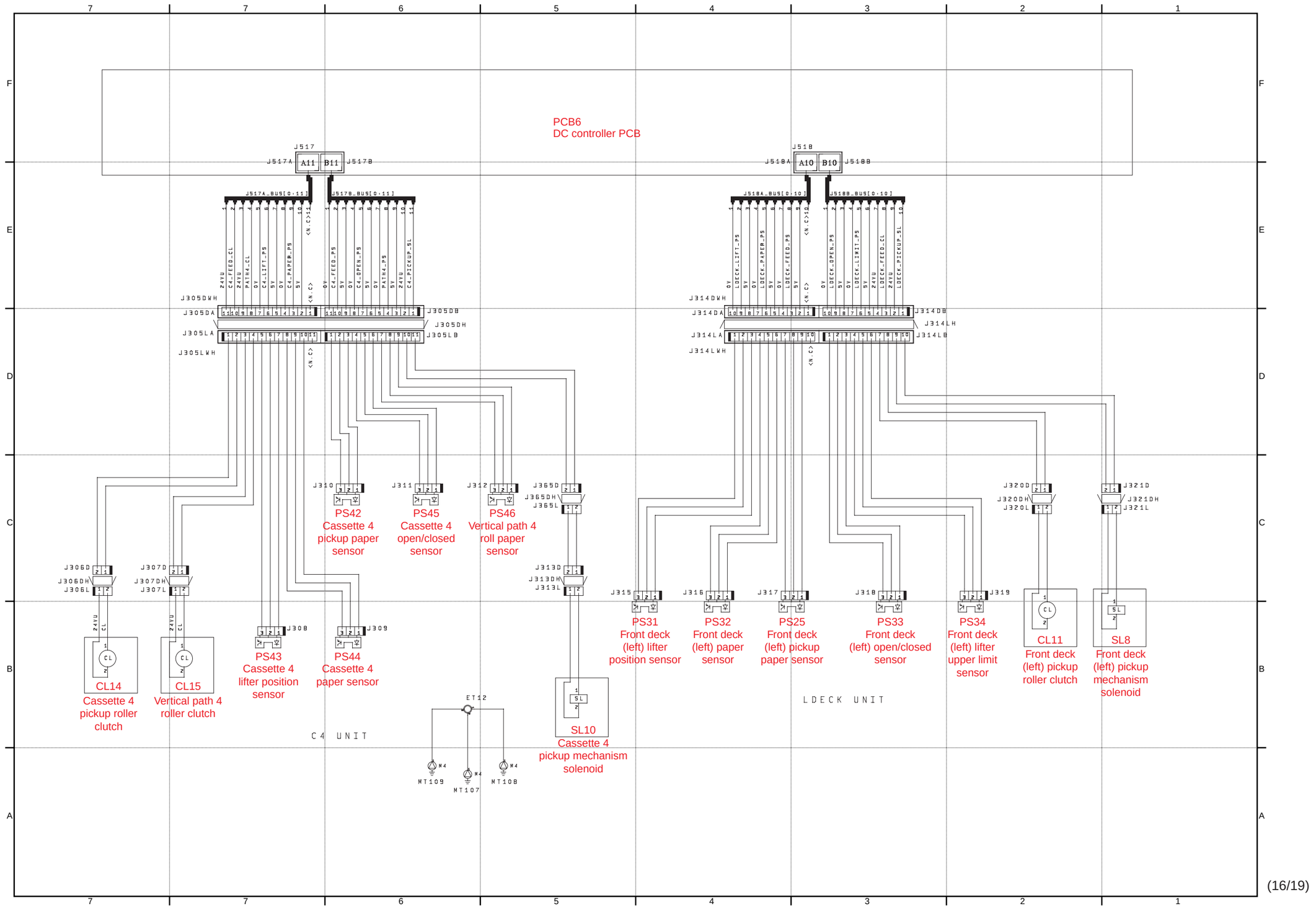
General Circuit Diagram (16/19)

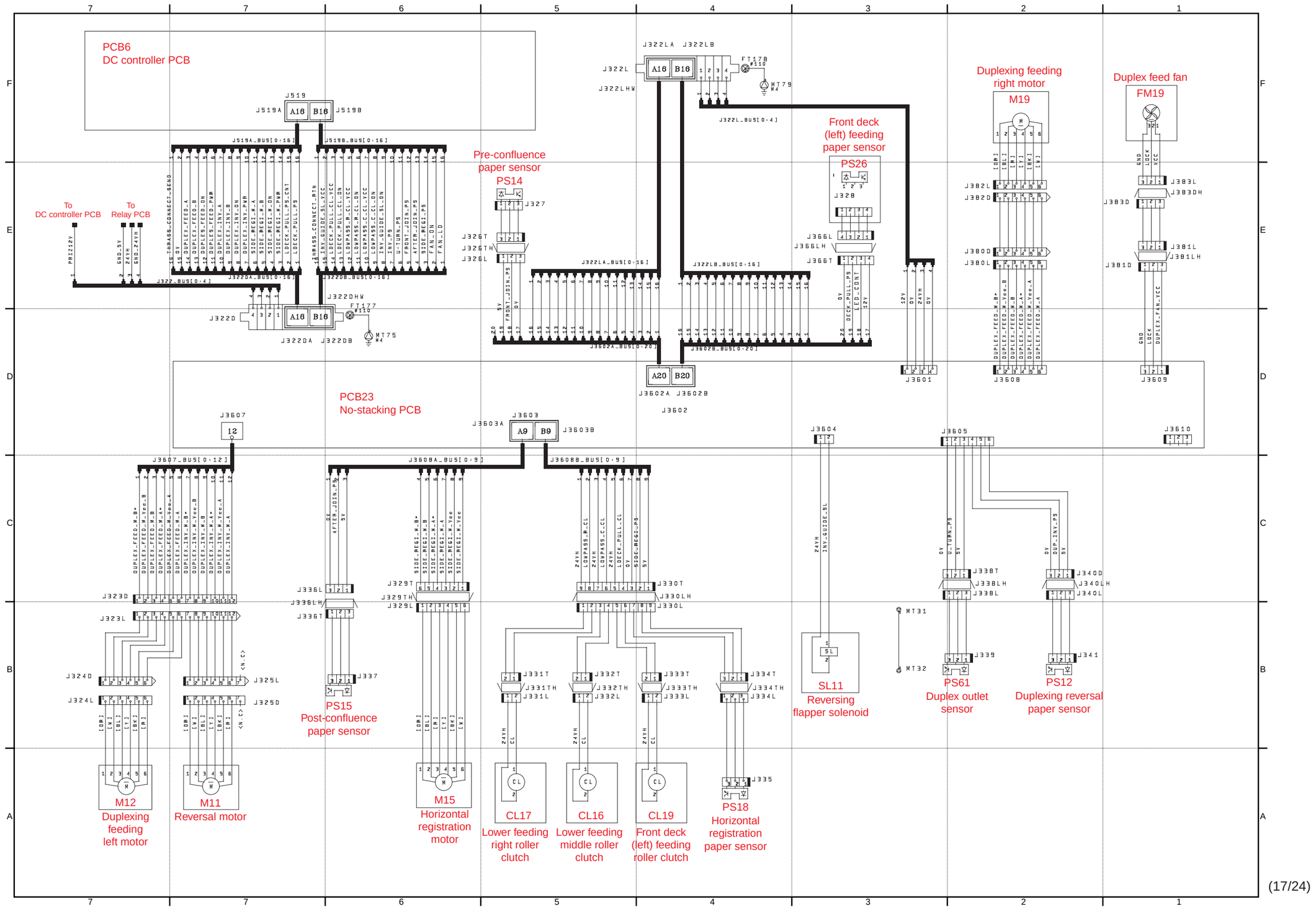
iR85+


PCB6
DC controller PCB
J517
J517A
A11
B11
J517B
J518
J518A
A10
B10
J518B
J517A_BUS[0:11]
J517B_BUS[0:11]
J518A_BUS[0:10]
J518B_BUS[0:10]
<N.C>14
<N.C>15
<N.C>
24VU
C4_FEED_CL
PATH4_CL
0V
C4_LIFT_PS
5V
C4_PAPER_PS
C4_FEED_PS
C4_OPEN_PS
PATH4_PS
C4_PICKUP_SL
LDECK_LIFT_PS
LDECK_PAPER_PS
LDECK_FEED_PS
LDECK_OPEN_PS
LDECK_LIMIT_PS
LDECK_FEED_CL
LDECK_PICKUP_SL
J305DWH
J305DA
J305DB
J305DH
J305LA
J305LB
J305LWH
J314DWH
J314DA
J314DB
J314LH
J314LA
J314LB
J314LWH
J310
J311
J312
J365D
J365DH
J365L
PS42
Cassette 4
pickup paper
sensor
PS45
Cassette 4
open/closed
sensor
PS46
Vertical path 4
roll paper
sensor
J320D
J320DH
J320L
J321D
J321DH
J321L
J306D
J306DH
J306L
J307D
J307DH
J307L
J313D
J313DH
J313L
J315
J316
J317
J318
J319
PS31
Front deck
(left) lifter
position sensor
PS32
Front deck
(left) paper
sensor
PS25
Front deck
(left) pickup
paper sensor
PS33
Front deck
(left) open/closed
sensor
PS34
Front deck
(left) lifter
upper limit
sensor
CL11
Front deck
(left) pickup
roller clutch
SL8
Front deck
(left) pickup
mechanism
solenoid
CL14
Cassette 4
pickup roller
clutch
CL15
Vertical path 4
roller clutch
J308
J309
PS43
Cassette 4
lifter position
sensor
PS44
Cassette 4
paper sensor
ET12
M4
MT109
MT107
MT108
SL10
Cassette 4
pickup mechanism
solenoid
C4 UNIT
LDECK UNIT

(16/19)

F-2-64

General Circuit Diagram (17/24)
iR105i/iR105+ / iR9070


PCB6
DC controller PCB
PCB23
No-stacking PCB
To
DC controller PCB
To
Relay PCB
Pre-confluence
paper sensor
PS14
Front deck
(left) feeding
paper sensor
PS26
Duplexing feeding
right motor
M19
Duplex feed fan
FM19
PS15
Post-confluence
paper sensor
M12
Duplexing
feeding
left motor
M11
Reversal motor
M15
Horizontal
registration
motor
CL17
Lower feeding
right roller
clutch
CL16
Lower feeding
middle roller
clutch
CL19
Front deck
(left) feeding
roller clutch
PS18
Horizontal
registration
paper sensor
SL11
Reversing
flapper solenoid
PS61
Duplex outlet
sensor
PS12
Duplexing reversal
paper sensor

(17/24)

F-2-65

General Circuit Diagram (17/21)
/ iR8070

PCB6
DC controller PCB

PCB23
No-stacking PCB

To Relay PCB

M12
Duplexing feeding motor

M11
Reversal motor

PS14
Pre-confluence paper sensor

PS26
Front deck (left) feeding paper sensor

M15
Horizontal registration motor

CL17
Lower feeding right roller clutch

CL16
Lower feeding middle roller clutch

CL19
Front deck (left) feeding roller clutch

PS18
Horizontal registration paper sensor

PS15
Post-confluence paper sensor

SL11
Reversing flapper solenoid

PS13
U-turn Paper Sensor

PS12
Duplexing reversal paper sensor

(17/21)

F-2-66

PCB6
DC controller PCB

PCB23
No-stacking PCB

To Relay PCB

M12
Duplexing feeding motor

M11
Reversal motor

PS14
Pre-confluence paper sensor

PS26
Front deck (left) feeding paper sensor

M15
Horizontal registration motor

CL17
Lower feeding right roller clutch

CL16
Lower feeding middle roller clutch

CL19
Front deck (left) feeding roller clutch

PS18
Horizontal registration paper sensor

PS15
Post-confluence paper sensor

SL11
Reversing flapper solenoid

PS13
U-turn Paper Sensor

PS12
Duplexing reversal paper sensor

(17/24)

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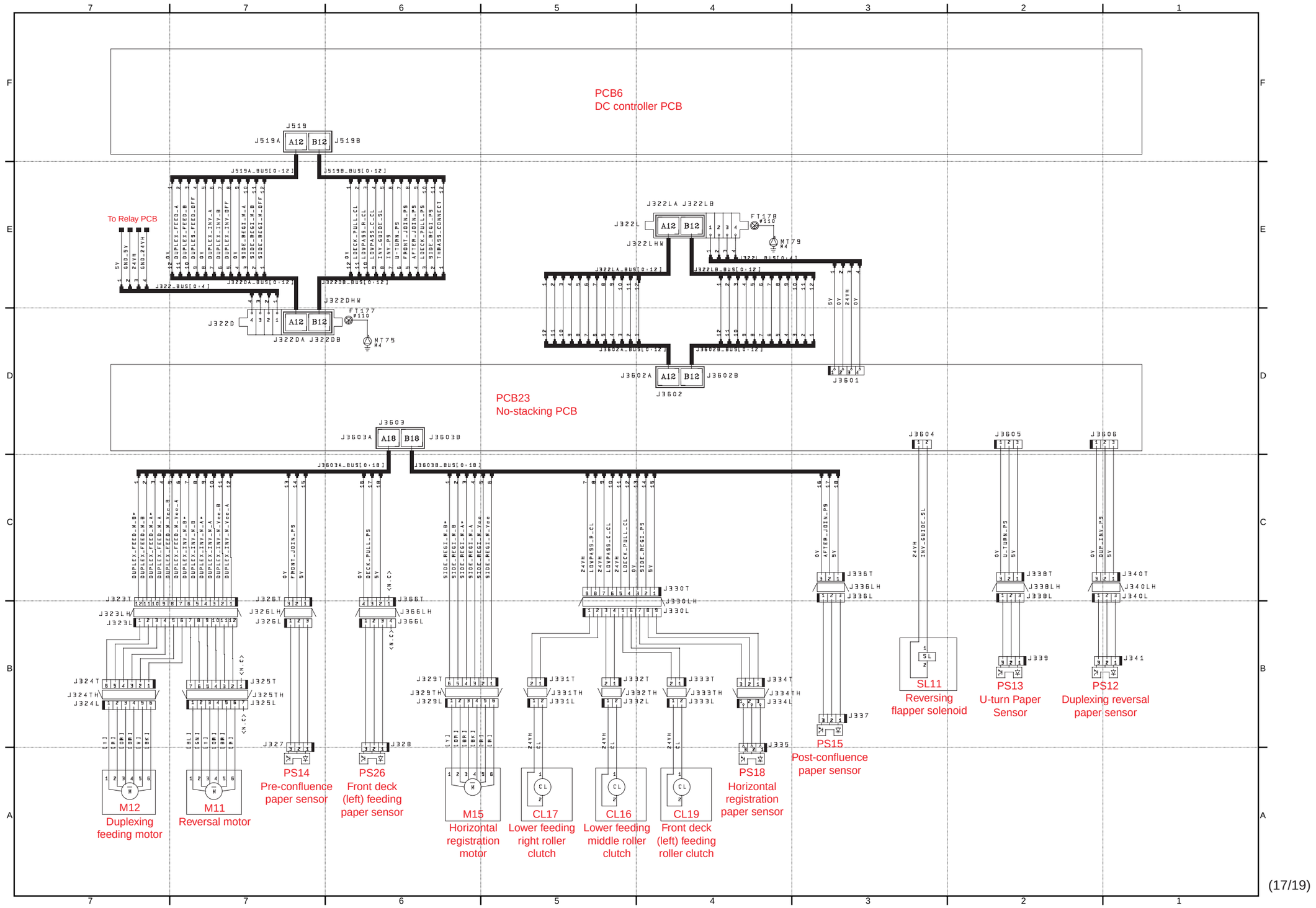
General Circuit Diagram (17/19)

iR85+


PCB6
DC controller PCB
PCB23
No-stacking PCB
To Relay PCB
J519
J519A
J519B
J519A_BUS[0:12]
J519B_BUS[0:12]
J322_BUS[0:4]
J322DA_BUS[0:12]
J322DB_BUS[0:12]
J322D
J322DHW
J322DA J322DB
FJ177
#110
MT75
M4
J322L
J322LHW
J322LA J322LB
FT178
#110
MT79
M4
J322LA_BUS[0:12]
J322LB_BUS[0:12]
J3602A_BUS[0:12]
J3602B_BUS[0:12]
J3602A
J3602B
J3602
J3601
J3603
J3603A
J3603B
J3603A_BUS[0:18]
J3603B_BUS[0:18]
J3604
J3605
J3606
J323T
J323LH
J323L
J324T
J324TH
J324L
J325T
J325TH
J325L
J326T
J326LH
J326L
J327
J328
J366T
J366LH
J366L
J329T
J329TH
J329L
J330T
J330LH
J330L
J331T
J331TH
J331L
J332T
J332TH
J332L
J333T
J333TH
J333L
J334T
J334TH
J334L
J335
J336T
J336LH
J336L
J337
J338T
J338LH
J338L
J339
J340T
J340LH
J340L
J341
M12
Duplexing feeding motor
M11
Reversal motor
PS14
Pre-confluence paper sensor
PS26
Front deck (left) feeding paper sensor
M15
Horizontal registration motor
CL17
Lower feeding right roller clutch
CL16
Lower feeding middle roller clutch
CL19
Front deck (left) feeding roller clutch
PS18
Horizontal registration paper sensor
PS15
Post-confluence paper sensor
SL11
Reversing flapper solenoid
PS13
U-turn Paper Sensor
PS12
Duplexing reversal paper sensor

(17/19)

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General Circuit Diagram (18/24)
iR105i/iR105+ / iR9070

PCB2
Reader controller PCB

J1112
FREAD_FAN_STOP
0V
FREAD_FAN_VCC
5V
SIZE3
ORI-SIZE_ON/OFF
5V
SIZE4
ORI-SIZE_ON/OFF
OPT_MOTOR_FAN_STOP
0V
OPT_MOTOR_FAN_VCC

J1113
0V
PC_RXD
PC_TXD
5V

J1114
5V
ORI-SIZE4
ORI-SIZE_ON/OFF
5V
ORI-SIZE3
ORI-SIZE_ON/OFF

XA8
J1101
1 3.3V
2 GND
3 5V
4 GND
5 12V
6 GND
7 24V
8 GND

XA9
J1102
1 12R
2 GND
3 5R
4 GND
5 GND
6 8V
7 GND
8 15V
9 N.C

J177D
J177DH
J177L

J135D
J135LH
J135L

J346D
J346LH
J346L

To Original orientation detection PCB
J1301-1
J1301-2
J1301-3
J1301-4

J343D
J343DH
J343L

J119D
J119DH
J119L
5V
SIZE1
ORI-SIZE_ON/OFF

J120D
J120DH
J120L
5V
SIZE1
ORI-SIZE_ON/OFF

SIZE1
Original size sensor 1

SIZE2
Original size sensor 2

J347D
J347LH
J347L

J103D
J103LH
J103L
LOCK
GND
VCC
FM4
Stream reading fan

J136D
J136DH
J136L
5V
SIZE3
ORI-SIZE_ON/OFF
SIZE3
Original size sensor 3

J137D
J137DH
J137L
5V
SIZE4
ORI-SIZE_ON/OFF
SIZE4
Original size sensor 4

J344D
J344DH
RS232C I/F

J348D
J348DH
J348L

J349
LOCK
GND
VCC
FM18
Scanner motor cooling fan

(18/24)

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General Circuit Diagram (18/21)
/ iR8070

HD1
Hard disk

PCB5
Main controller PCB

J1018
J1018A
A18
B18
J1018B
J1018A_BUS[0:18]
J1018B_BUS[0:18]
3.3VAI GND FPDAT7 GND FPDAT5 GND FPDAT3 GND FPDAT1 GND FPHIFT GND FPLINE GND LCDON 5V MYDC 5V
5V TYDC 5V COUNT_RESET GND FPFRAME GND LCDPWR GND FPDAT0 GND FPDAT2 GND FPDAT4 GND FPDAT6 GND SOFTSNC
J401DA_BUS[0:18]
J401DB_BUS[0:18]
J405DA
A18
B18
J405DB
J405DWH
J405DH
J405LA
A18
B18
J405LB
J405LWH
J401LA_BUS[0:18]
J401LB_BUS[0:18]
J68801A_BUS[0:18]
J68801B_BUS[0:18]
J68801A
A18
B18
J68801B
J68801
PCB33
Control panel CPU PCB

J1024
CY18
<N.C> <N.C> <N.C> <N.C> <N.C>
5V CDINCNT CDIN_TYD CDIN_RYD GND
J408D
J408DH
J408L
J409D
J409LH
J409L
J1536
NEW CARD READER

(18/21)

F-2-70

PCB2
Reader controller PCB

J1112 CZ12
FREAD_FAN_STOP
0V
FREAD_FAN_VCC
5V
SIZE3
ORI-SIZE_ON/OFF
5V
SIZE4
ORI-SIZE_ON/OFF
VCC
LOCK
0V

J1113
0V
PC_RXD
PC_TXD
5V

J1114
5V
ORI-SIZE1
ORI-SIZE_ON/OFF
5V
ORI-SIZE2
ORI-SIZE_ON/OFF

XA8 J1101
1 3.3V 5 12V
2 GND 6 GND
3 5V 7 24V
4 GND 8 GND

XA9 J1102
1 12R 5 GND
2 GND 6 8V
3 5R 7 GND
4 GND 8 15V
9 N.C

J177D J177LH J177L
J135D J135LH J135L
J345L
To Original orientation detection PCB
J343D J343DH J343L
J119D J119DH J119L
J120D J120DH J120L

5V SIZE1 ORI-SIZE_ON/OFF
SIZE1
Original size sensor 1

5V SIZE1 ORI-SIZE_ON/OFF
SIZE2
Original size sensor 2

J347D J347LH J347L
J344D J344DH
RS232C I/F

J103D J103LH J103L
J136D J136DH J136L
J137D J137DH J137L

LOCK GND VCC
FM4
Stream reading fan

5V SIZE3 ORI-SIZE_ON/OFF
SIZE3
Original size sensor 3

5V SIZE4 ORI-SIZE_ON/OFF
SIZE4
Original size sensor 4

NC
J348D J348LH J348L
NC
VCC LOCK GND
FM20
Scanner motor cooling fan

(18/24)

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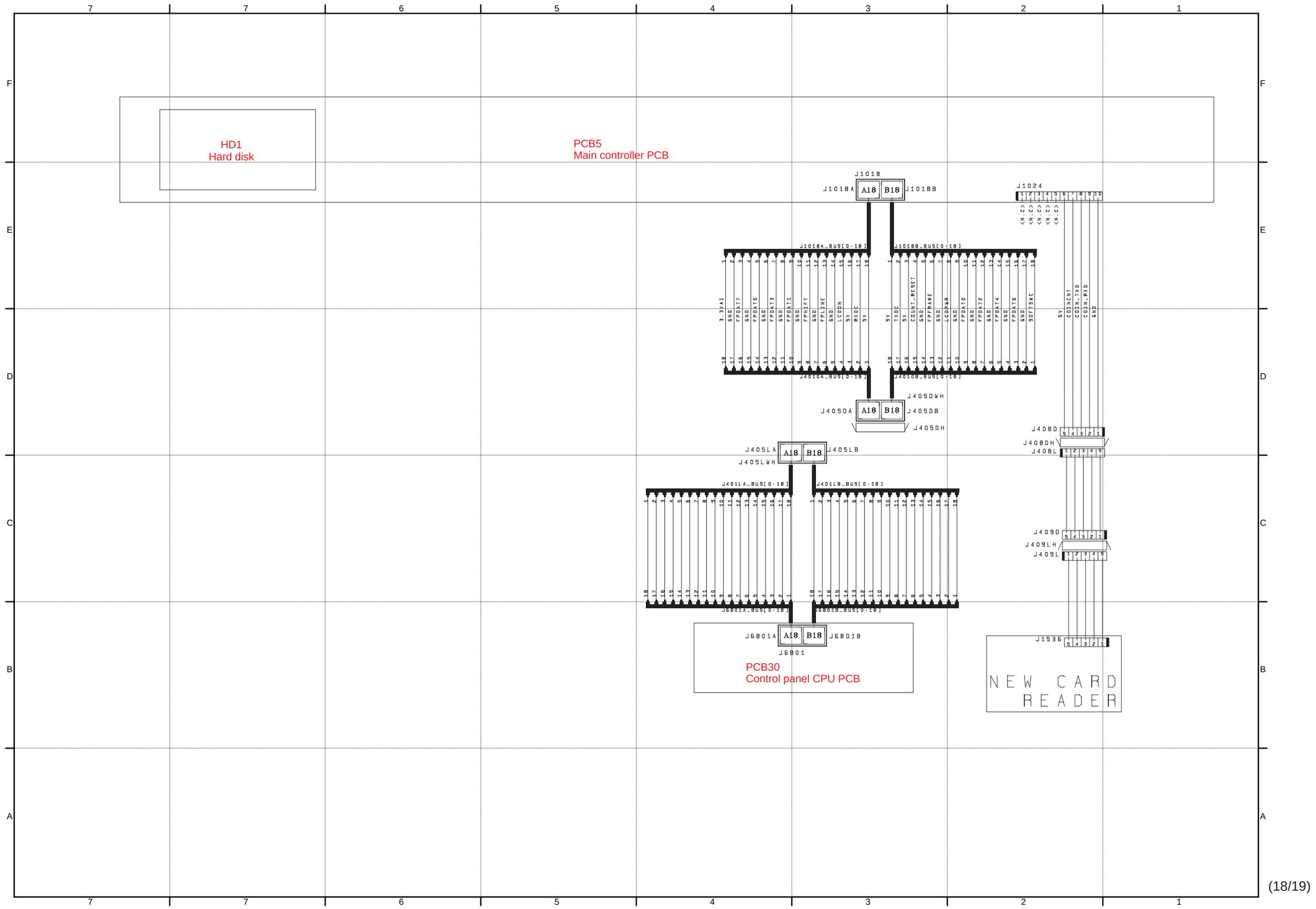
General Circuit Diagram (18/19)

iR85+


HD1
Hard disk
PCB5
Main controller PCB
J1018
J1018A
J1018B
A18
B18
J1018A_BUS[0:18]
J1018B_BUS[0:18]
J1024
J405DWH
J405DA
J405DB
J405DH
J405LA
J405LB
J405LWH
J401LA_BUS[0:18]
J401LB_BUS[0:18]
J408D
J408DH
J408L
J409D
J409LH
J409L
J1536
J6801A_BUS[0:18]
J6801B_BUS[0:18]
J6801A
J6801B
J6801
PCB30
Control panel CPU PCB
NEW CARD READER

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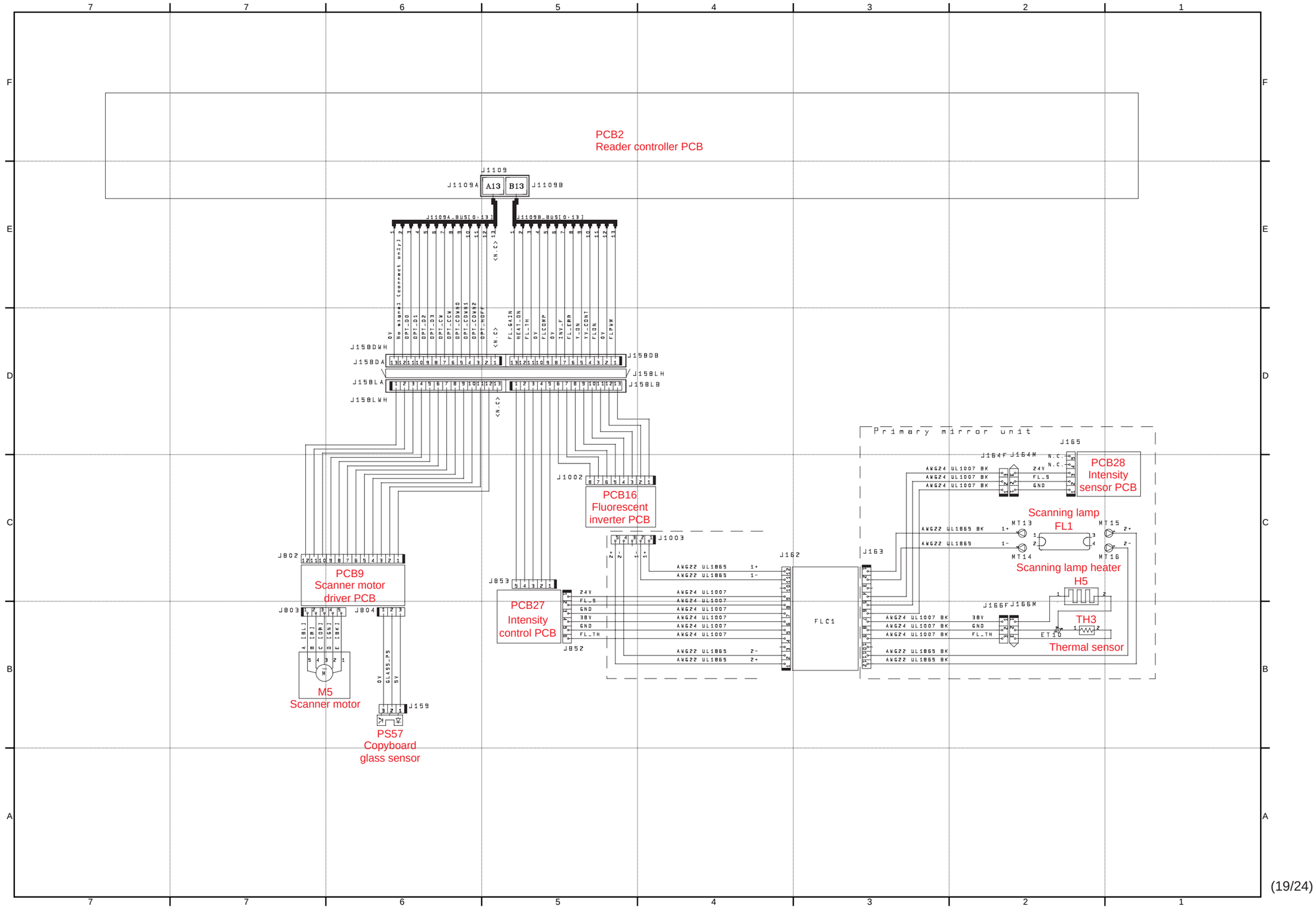
General Circuit Diagram (19/24)
iR105i/iR105+ / iR9070


PCB2
Reader controller PCB
J1109
J1109A
A13
B13
J1109B
J1109A_BUS[0:13]
J1109B_BUS[0:13]
<N.C>
<N.C>
<N.C>
0V
No signal (connect only)
DPI_D0
DPI_D1
DPI_D2
DPI_D3
DPI_CCW
DPI_CDW0
DPI_CDW1
DPI_CDW2
DPI_HOFF
FL_GAIN
HEAT_ON
FL_TH
0V
FLCOMP
0V
INV_FF
FL_ERR
Y_DN
YY_CONT
FLDN
0V
FLPWM
J158DWH
J158DA
J158DB
J158LA
J158LB
J158LH
J158LWH
J1002
PCB16
Fluorescent
inverter PCB
J1003
J802
PCB9
Scanner motor
driver PCB
J803
J804
M5
Scanner motor
J159
PS57
Copyboard
glass sensor
J853
PCB27
Intensity
control PCB
J852
24V
FL_S
GND
3BV
GND
FL_TH
AWG22 UL1865
AWG24 UL1007
J162
FLC1
J163
Primary mirror unit
J165
J164F J164M
AWG24 UL1007 BK
N.C
N.C
24V
FL_S
GND
PCB28
Intensity
sensor PCB
Scanning lamp
FL1
MT13
MT14
MT15
MT16
AWG22 UL1865 BK
AWG22 UL1865
Scanning lamp heater
H5
J166F J166M
3BV
GND
FL_TH
TH3
ET10
Thermal sensor

(19/24)

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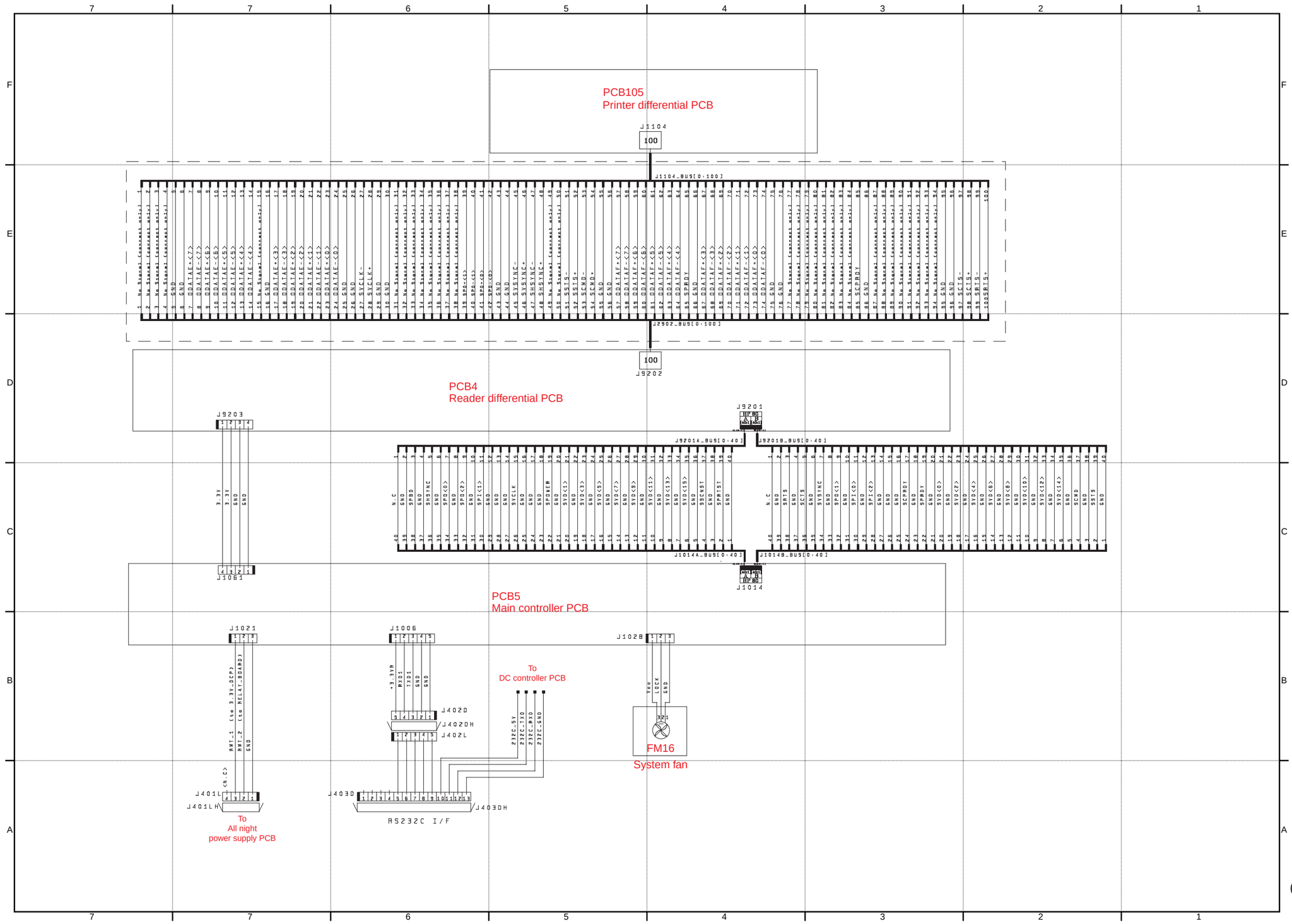
General Circuit Diagram (19/21)
/ iR8070


PCB105
Printer differential PCB
J1104
100
J1104_BUS[0:100]
J9202_BUS[0:100]
100
J9202
PCB4
Reader differential PCB
J9203
J9201
J9201A_BUS[0:40]
J9201B_BUS[0:40]
J1014A_BUS[0:40]
J1014B_BUS[0:40]
J1014
J1061
PCB5
Main controller PCB
J1021
J1006
J1028
To
DC controller PCB
J402D
J402DH
J402L
J403D
J403DH
RS232C I/F
J401L
J401LH
To
All night
power supply PCB
FM16
System fan

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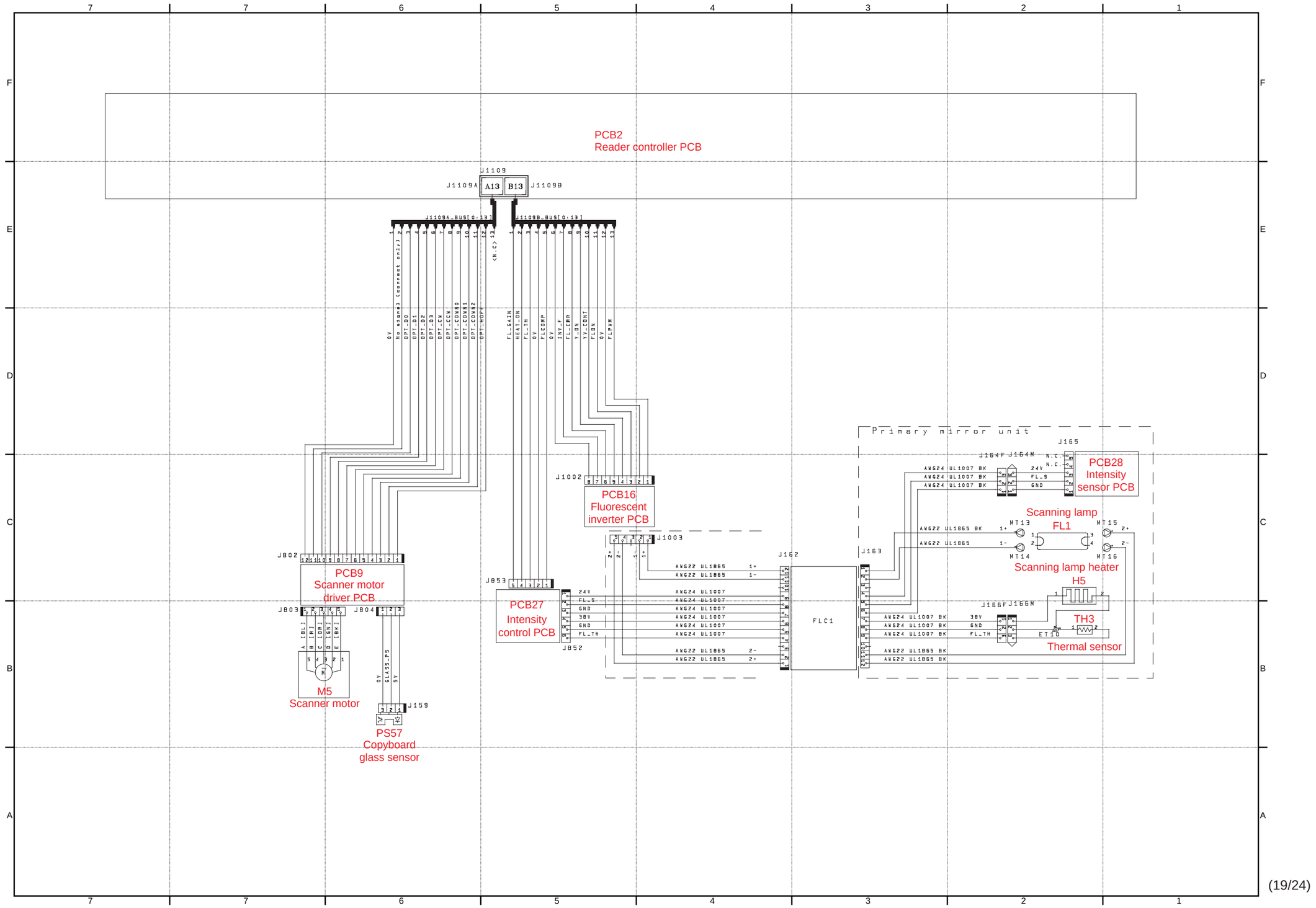
PCB2
Reader controller PCB
J1109
J1109A
A13
B13
J1109B
J1109A_BUS[0:13]
J1109B_BUS[0:13]
<N.C>
0V
No signal (connect only)
DPI_D0
DPI_D1
DPI_D2
DPI_D3
DPI_CW
DPI_CCW
DPI_COMIO
DPI_COMI1
DPI_COMI2
DPI_HOFF
FL_GAIN
HEAT_ON
FL_TH
0V
FLCOMP
0V
INV_F
FL_ERR
Y_DN
YY_CONT
FLDN
0V
FLPWM
J1002
PCB16
Fluorescent
inverter PCB
J1003
J802
PCB9
Scanner motor
driver PCB
J803
J804
M5
Scanner motor
J159
PS57
Copyboard
glass sensor
J853
PCB27
Intensity
control PCB
J852
24V
FL_S
GND
3BV
GND
FL_TH
J162
FLC1
J163
Primary mirror unit
J165
J164F J164M
PCB28
Intensity
sensor PCB
AWG24 UL1007 BK
N.C
24V
FL_S
GND
Scanning lamp
FL1
MT13
MT14
MT15
MT16
AWG22 UL1865 BK
AWG22 UL1865
Scanning lamp heater
H5
J166F J166M
TH3
ET10
Thermal sensor
3BV
FL_TH

(19/24)

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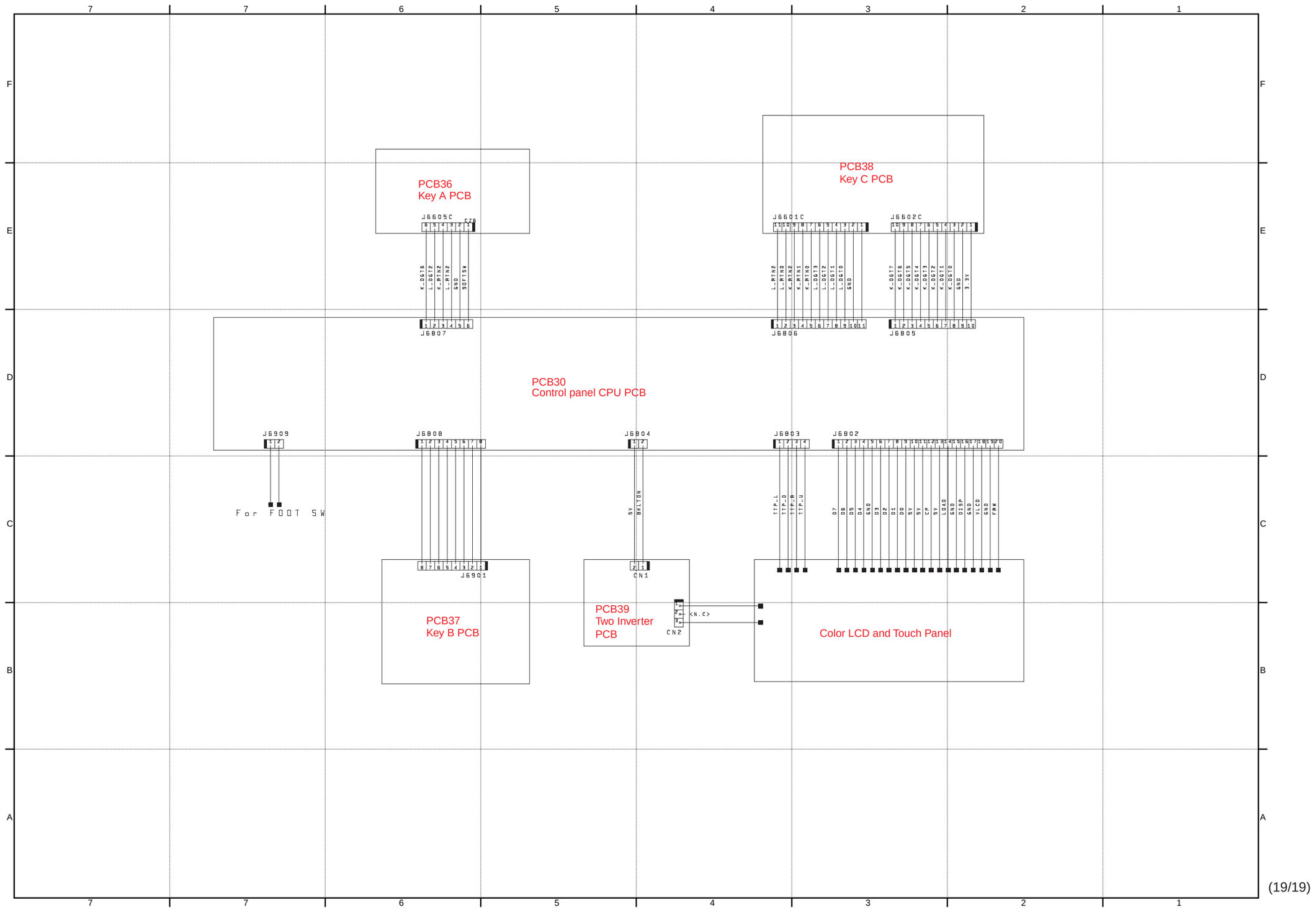
General Circuit Diagram (19/19)

iR85+


PCB36
Key A PCB
J6605C
K_DAT6
L_DAT2
K_RTN2
L_RTN2
GND
SAFTSW
J6807
PCB38
Key C PCB
J6601C
L_RTN2
L_RTN0
K_RTN1
K_RTN0
L_DAT3
L_DAT2
L_DAT1
L_DAT0
GND
J6806
J6602C
K_DAT7
K_DAT6
K_DAT5
K_DAT4
K_DAT3
K_DAT2
K_DAT1
K_DAT0
GND
3.3V
J6805
PCB30
Control panel CPU PCB
J6909
For FOOT SW
J6808
J6804
5V
BKLTDIM
J6803
TTP_L
TTP_D
TTP_R
TTP_U
J6802
D7
D6
D5
D4
GND
D3
D2
D1
D0
5V
5V
CP
5V
LOAD
GND
DISP
GND
VLCD
GND
FRM
J6901
CN1
PCB37
Key B PCB
PCB39
Two Inverter
PCB
CN2
<N.C>
Color LCD and Touch Panel

(19/19)

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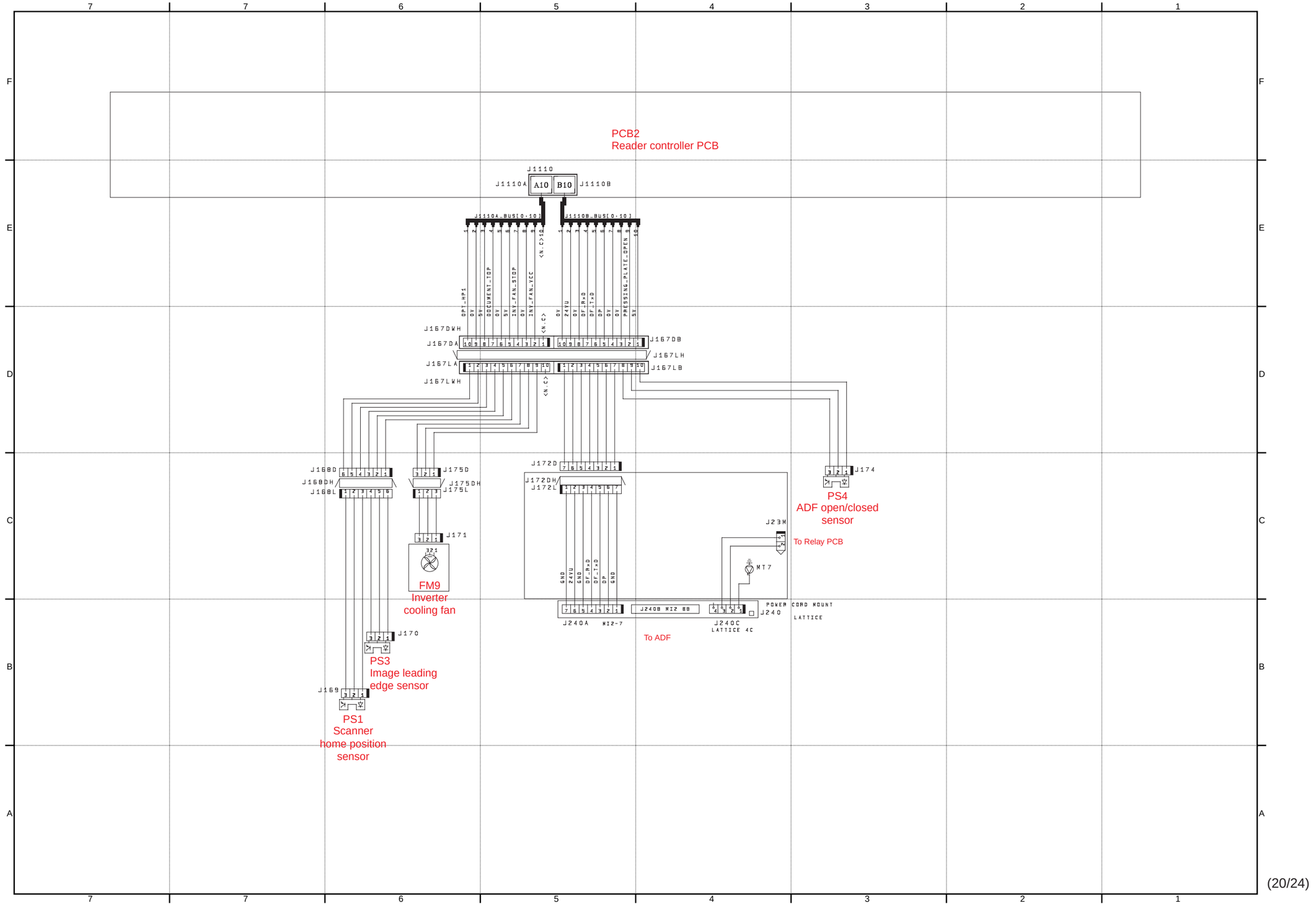
General Circuit Diagram (20/24)
iR105i/iR105+ / iR9070


PCB2
Reader controller PCB
J1110
J1110A
A10
B10
J1110B
J1110A_BUS[0-10]
J1110B_BUS[0-10]
<N.C>10
DPT-HP1
0V
5V
DOCUMENT_TOP
0V
5V
INY-FAN_STOP
0V
INY-FAN_VCC
0V
24YU
0V
DF_RxD
DF_TxD
DP
0V
0V
PRESSING_PLATE_OPEN
5V
J167DWH
J167DA
J167DB
J167LA
J167LH
J167LB
J167LWH
J168D
J168DH
J168L
J175D
J175DH
J175L
J171
FM9
Inverter
cooling fan
J170
PS3
Image leading
edge sensor
J169
PS1
Scanner
home position
sensor
J172D
J172DH
J172L
GND
24YU
GND
DF_RxD
DF_TxD
DP
GND
J240A
MI2-7
J240B MI2 8B
J240C
LATTICE 4C
To ADF
J240
POWER CORD MOUNT
LATTICE
J23M
To Relay PCB
MT7
J174
PS4
ADF open/closed
sensor

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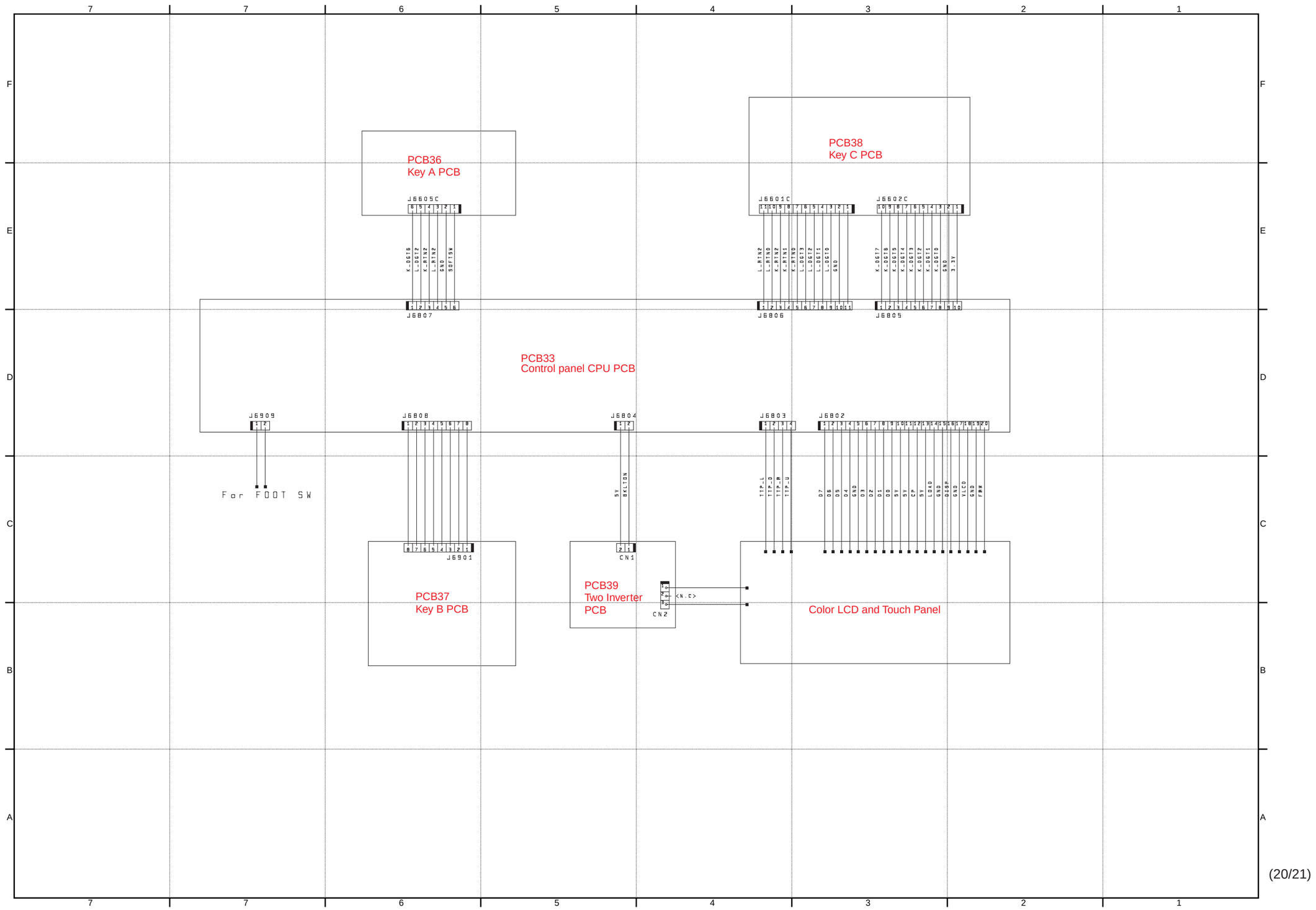
General Circuit Diagram (20/21)
/ iR8070


PCB36
Key A PCB
J6605C
K_0618
L_0612
K_MIN2
L_MIN2
GND
SOFTSW
PCB38
Key C PCB
J6601C
J6602C
L_MIN2
L_MIN0
K_MIN2
K_MIN1
K_MIN0
L_0613
L_0612
L_0611
L_0610
GND
K_0617
K_0616
K_0615
K_0614
K_0613
K_0612
K_0611
K_0610
GND
3.3V
J6807
J6806
J6805
PCB33
Control panel CPU PCB
J6909
J6808
J6804
J6803
J6802
For FOOT SW
5V
BKLTON
TTP_L
TTP_D
TTP_R
TTP_U
D7
D6
D5
D4
GND
D3
D2
D1
D0
5V
5V
CP
5V
LOAD
GND
DISP
GND
YLCD
GND
FRM
J6901
CN1
PCB37
Key B PCB
PCB39
Two Inverter
PCB
<N.C>
CN2
Color LCD and Touch Panel
7
6
5
4
3
2
1
A
B
C
D
E
F

(20/21)

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PCB2
Reader controller PCB

J1110
J1110A A10 B10 J1110B

J1110A_BUS[0-10]
J1110B_BUS[0-10]
<N.C>10
DPT-HP1
0V
5V
DOCUMENT_TOP
0V
5V
INV-FAN_STOP
0V
INV-FAN_VCC
0V
24YU
0V
DF_RxD
DF_TxD
DP
0V
0V
PRESSING_PLATE_OPEN
5V

J168D
J168DH
J168L
J175D
J175DH
J175L
J171
FM9
Inverter cooling fan

J170
PS3
Image leading edge sensor

J169
PS1
Scanner home position sensor

J172D
J172DH
J172L
GND
24YU
GND
DF_RxD
DF_TxD
DP
GND
J240A
J240B M12 BB
J240C
LATTICE 4C
J240
POWER CORD MOUNT
LATTICE
To ADF

J23M
MT7
To Relay PCB

J174
PS4
ADF open/closed sensor

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General Circuit Diagram (21/24)
iR105i/iR105+ / iR9070

PCB2
Reader controller PCB

J1107
50
J1107_BUS[0:50]
J1502_BUS[0:50]
SUMI CARD
50
J1502

J1108
20
J1108_[0:20]
SUMI CARD
J1503_BUS[0:20]
20
J1503

1:12R 5:5V
2:GND 6:GND
3:5R 7:3.3V
4:GND 8:GND
J1501 8P

PCB1
CCD/AP PCB

FLASH ROM
J1106 72P SOCKET AMP : 177827-3

J1103
50
J1103_BUS[0:50]
J1901_BUS[0:50]
BOARD to BOARD CONNECTOR
50
J1901

PCB29
Original orientation detection PCB

J1902
1 2 3 4
J1901-1
J1901-2
J1901-3
J1901-4
To
RS232C I/F

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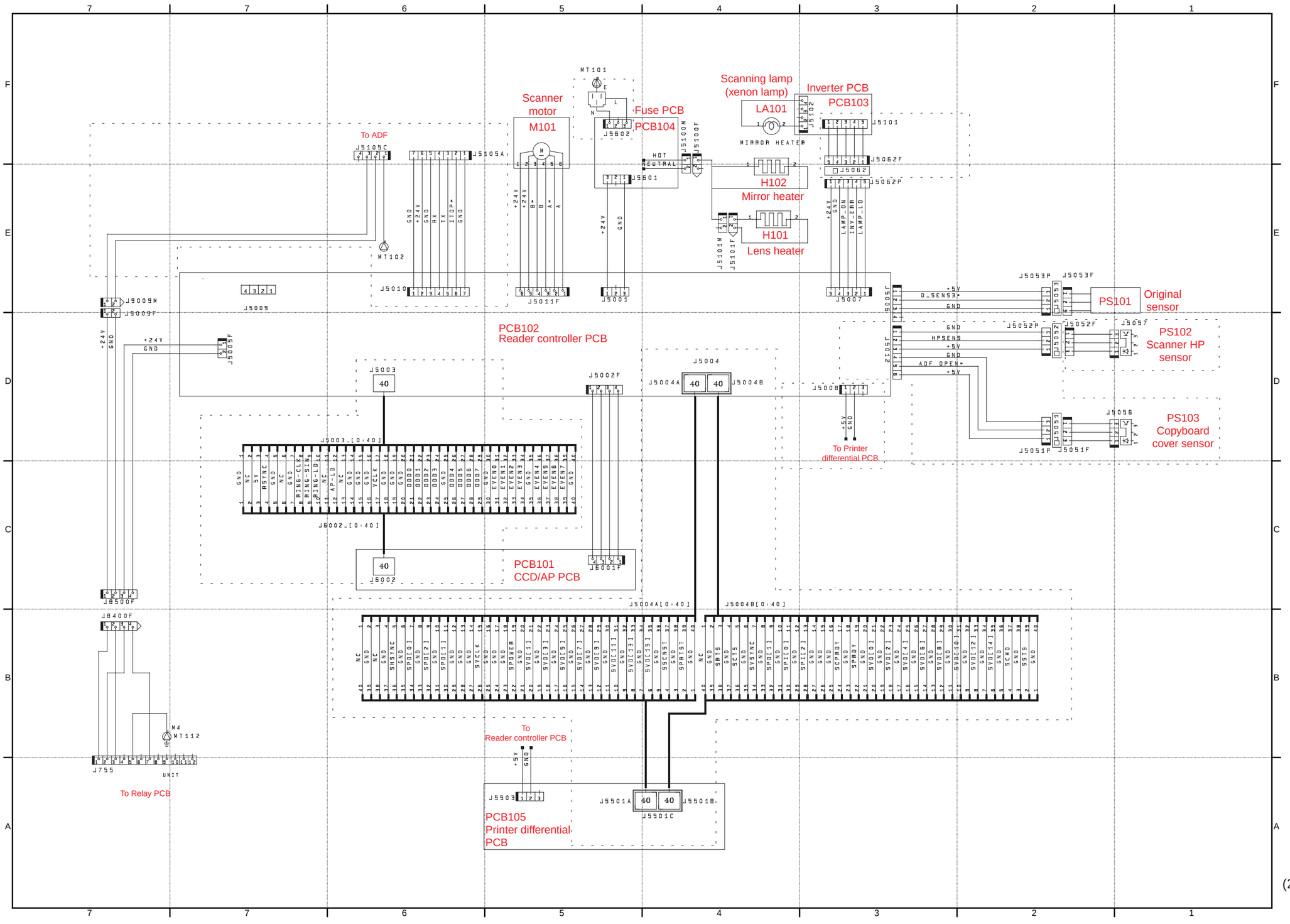
General Circuit Diagram (21/21)
/ iR8070


Scanner motor
M101
Fuse Pcb
PCB104
Scanning lamp (xenon lamp)
LA101
Inverter PCB
PCB103
MIRROR HEATER
H102
Mirror heater
H101
Lens heater
To ADF
MT101
MT102
PCB102
Reader controller PCB
PS101
Original sensor
PS102
Scanner HP sensor
PS103
Copyboard cover sensor
To Printer differential PCB
PCB101
CCD/AP PCB
To
Reader controller PCB
PCB105
Printer differential PCB
To Relay PCB
M4
MT112
UNIT

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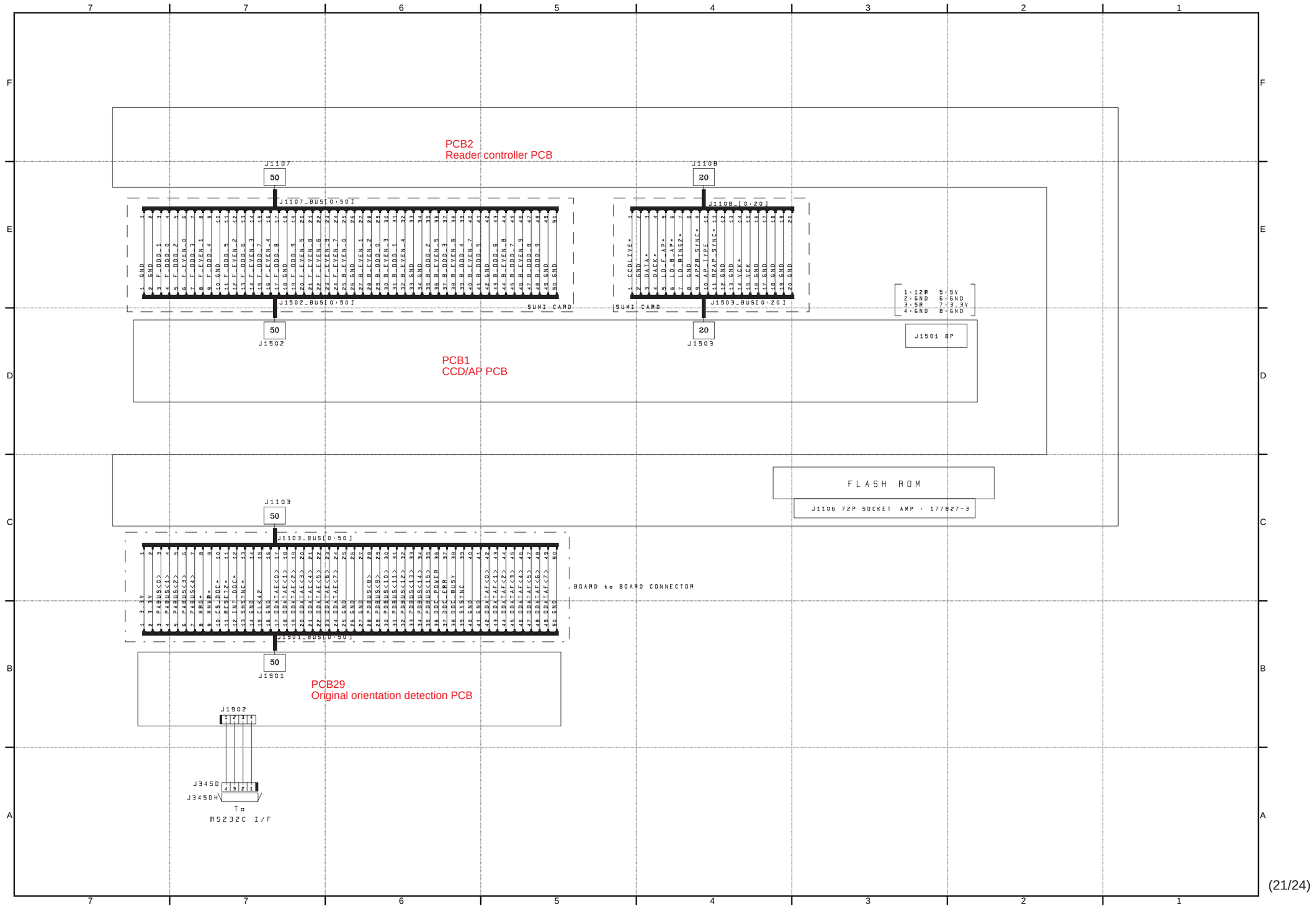
PCB2
Reader controller PCB
J1107
50
J1107_BUS[0:50]
J1502_BUS[0:50]
SUMI CARD
J1502
J1108
20
J1108_[0:20]
SUMI CARD
J1503_BUS[0:20]
J1503
1:12R 5:5V
2:GND 6:GND
3:5R 7:3.3V
4:GND 8:GND
J1501 8P
PCB1
CCD/AP PCB
FLASH ROM
J1106 72P SOCKET AMP : 177827-3
J1103
50
J1103_BUS[0:50]
J1901_BUS[0:50]
BOARD to BOARD CONNECTOR
J1901
PCB29
Original orientation detection PCB
J1902
J345D
J345DH
To
RS232C I/F

(21/24)

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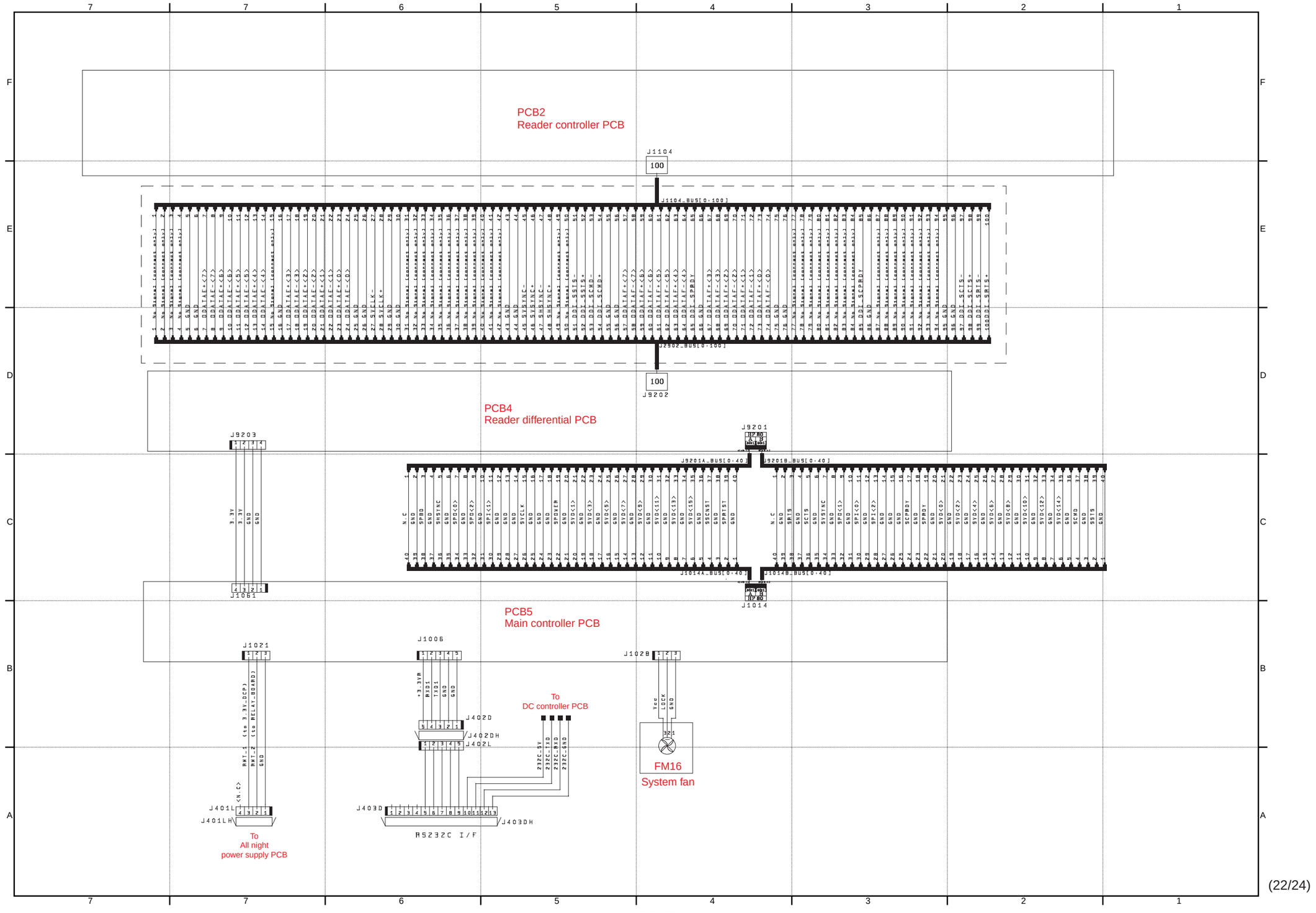
General Circuit Diagram (22/24)
iR105i/iR105+ / iR9070


PCB2
Reader controller PCB
J1104
100
J1104_BUS[0:100]
J9202_BUS[0:100]
100
J9202
PCB4
Reader differential PCB
J9203
J9201
J9201A_BUS[0:40]
J9201B_BUS[0:40]
J1014A_BUS[0:40]
J1014B_BUS[0:40]
J1014
J1051
PCB5
Main controller PCB
J1021
J1006
J1028
J402D
J402DH
J402L
J403D
J403DH
J401L
J401LH
To
All night
power supply PCB
To
DC controller PCB
RS232C I/F
FM16
System fan

(22/24)

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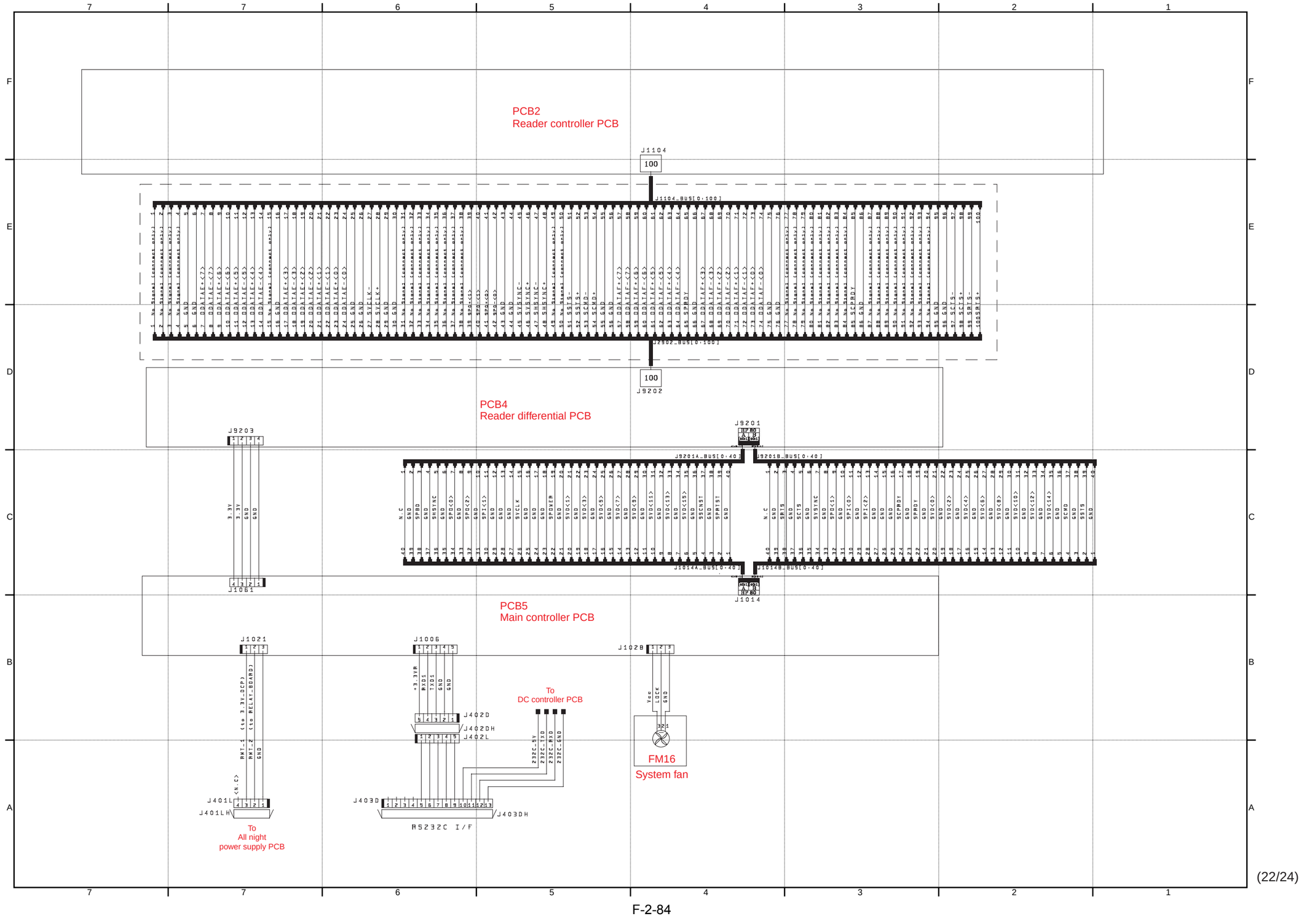
PCB2
Reader controller PCB
J1104
100
J1104_BUS[0:100]
J9202_BUS[0:100]
100
J9202
PCB4
Reader differential PCB
J9203
J9201
J9201A_BUS[0:40]
J9201B_BUS[0:40]
J1014A_BUS[0:40]
J1014B_BUS[0:40]
J1014
J1051
PCB5
Main controller PCB
J1021
J1006
J1028
To
DC controller PCB
FM16
System fan
J401L
J401LH
To
All night
power supply PCB
J403D
J403DH
RS232C I/F
J402D
J402DH
J402L

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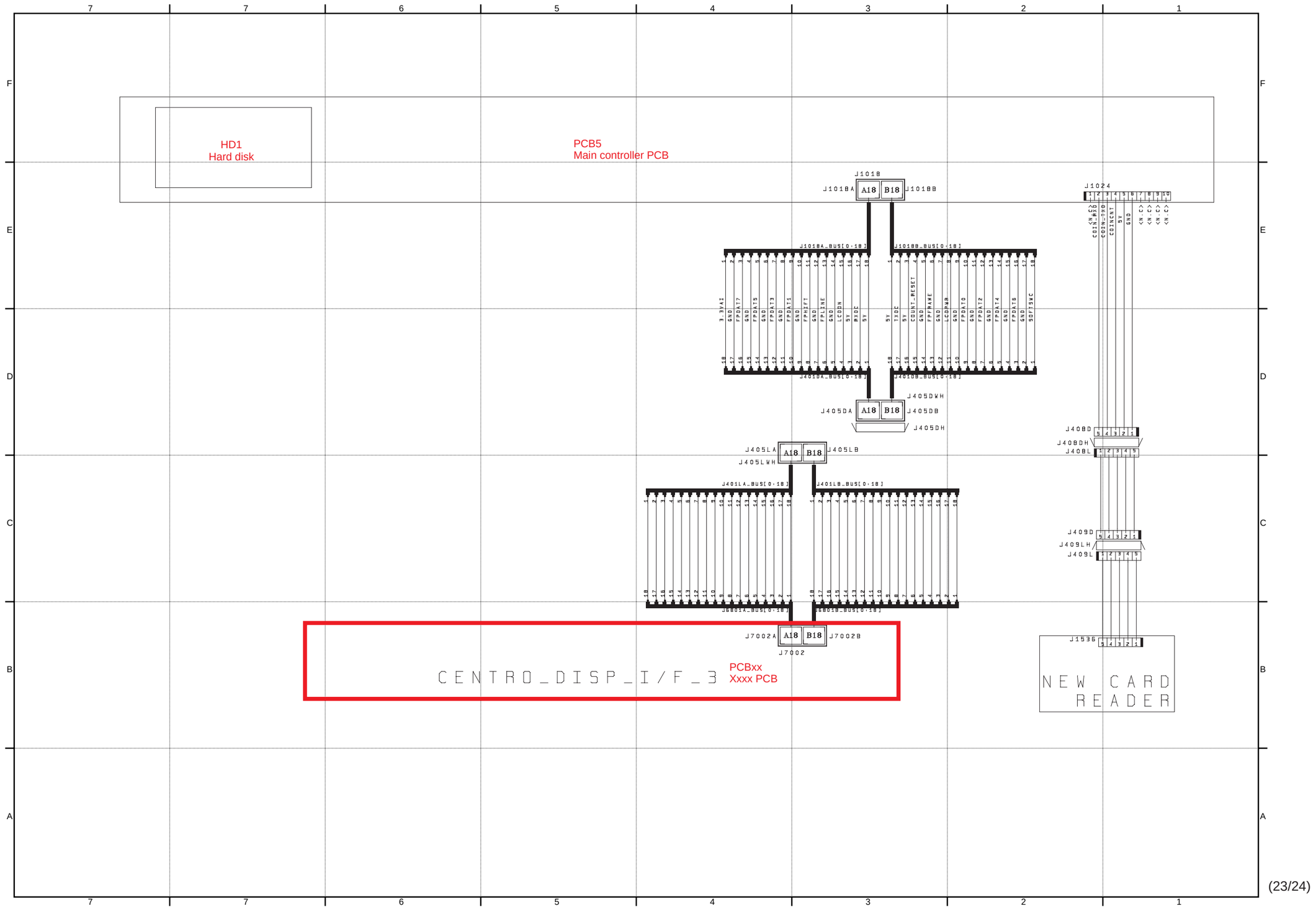
General Circuit Diagram (23/24)
iR105i/iR105+ / iR9070


HD1
Hard disk
PCB5
Main controller PCB
J1018
J1018A
J1018B
A18
B18
J1018A_BUS[0:18]
J1018B_BUS[0:18]
J1024
J405DWH
J405DA
J405DB
J405DH
J405LA
J405LB
J405LWH
J401LA_BUS[0:18]
J401LB_BUS[0:18]
J408D
J408DH
J408L
J409D
J409LH
J409L
J1536
J7002A
J7002B
J7002
J8801A_BUS[0:18]
J8801B_BUS[0:18]
CENTRO_DISP_I/F_3
PCBxx
Xxxx PCB
NEW CARD
READER

(23/24)

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HD1
Hard disk

PCB5
Main controller PCB

J1018
J1018A A18 B18 J1018B

J1018A_BUS[0:18]
3.3VA1 GND FPDAT7 GND FPDAT5 GND FPDAT3 GND FPDAT1 GND SHIFT GND FPLINE GND LCDDN 5V RXDC 5V

J1018B_BUS[0:18]
5V TXDC 5V COUNT_RESET GND FPFRAME GND LCDPWR GND FPDAT0 GND FPDAT2 GND FPDAT4 GND FPDAT6 GND SDTSWC

J405DWH
J405DA A18 B18 J405DB
J405DH

J405LA A18 B18 J405LB
J405LWH

J401LA_BUS[0:18]
J401LB_BUS[0:18]

J68001A_BUS[0:18]
J68001B_BUS[0:18]

J68001A A18 B18 J68001B
J68001

PCB30
Control panel CPU PCB

J1024
<N.C> <N.C> <N.C> <N.C> <N.C>

5V CDCNCNT CDCN_TXD CDCN_RXD Gnd

J408D 5 4 3 2 1
J408DH
J408L 1 2 3 4 5

J409D 5 4 3 2 1
J409LH
J409L 1 2 3 4 5

J1536 5 4 3 2 1

NEW CARD READER

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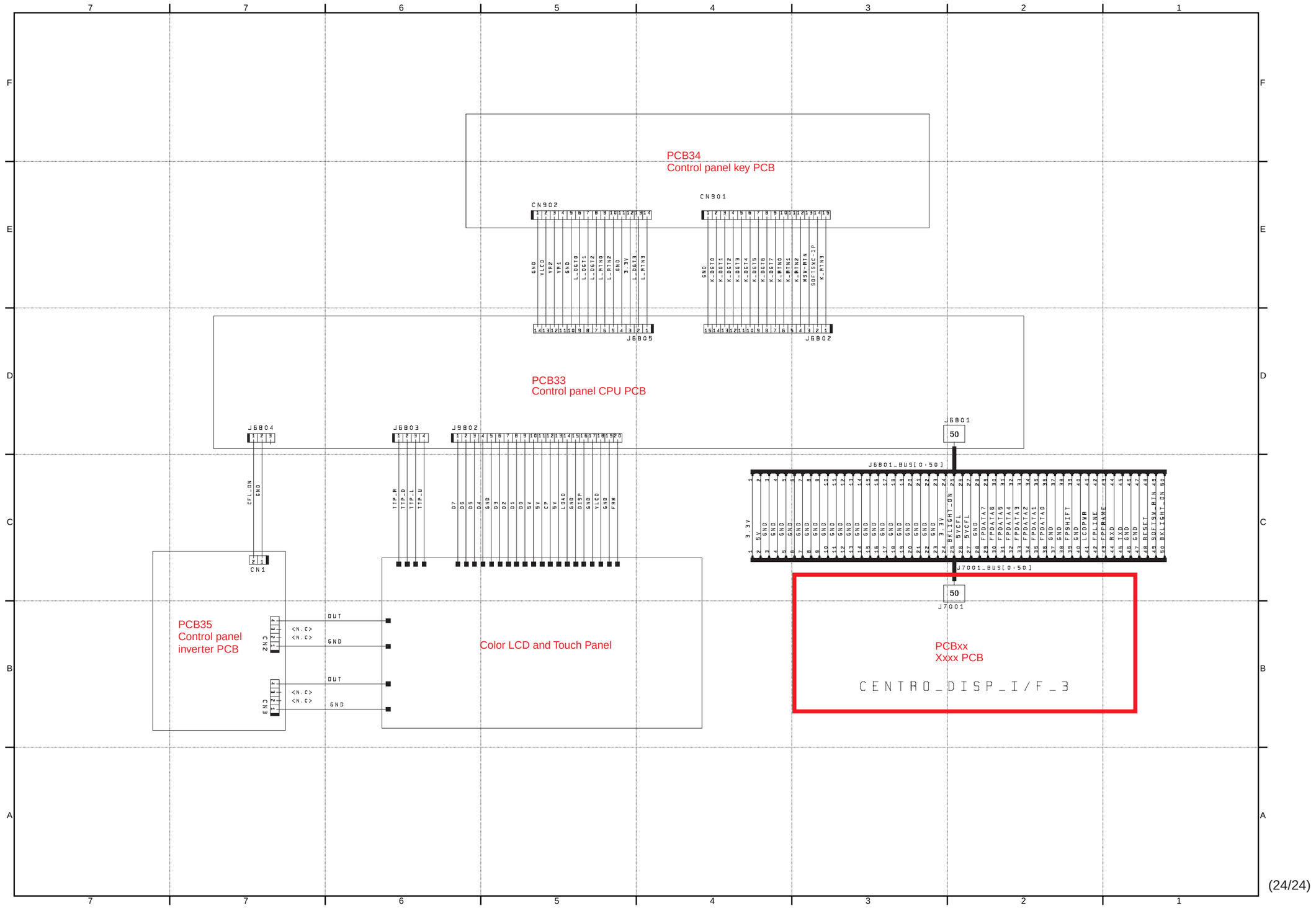
General Circuit Diagram (24/24)
iR105i/iR105+ / iR9070


PCB34
Control panel key PCB
CN902
CN901
GND
VLCD
VR2
VR1
GND
L_DGT0
L_DGT1
L_DGT2
L_RTN0
L_RTN2
GND
3.3V
L_DGT3
L_RTN3
K_DGT0
K_DGT1
K_DGT2
K_DGT3
K_DGT4
K_DGT5
K_DGT6
K_DGT7
K_RTN0
K_RTN1
K_RTN2
MSW-RTN
SOFTSW-IP
K_RTN3
J6B05
J6B02
PCB33
Control panel CPU PCB
J6B04
J6B03
J9B02
J6B01
50
J6B01_BUS[0:50]
CFL_ON
GND
TTP_R
TTP_D
TTP_L
TTP_U
D7
D6
D5
D4
GND
D3
D2
D1
D0
5V
5V
CP
5V
LOAD
SHSP
GND
VLCD
GND
FRM
3.3V
5V
GND
GND
GND
GND
GND
GND
GND
GND
GND
GND
GND
GND
GND
GND
GND
GND
GND
GND
GND
GND
GND
GND
3.3V
BKLIGHT_ON
5VCFL
5VCFL
GND
FPDATA7
FPDATA6
FPDATA5
FPDATA4
FPDATA3
FPDATA2
FPDATA1
FPDATA0
GND
GND
FSHIFT
GND
LCDPWR
FPLINE
FPFRAME
RXD
TXD
GND
GND
RESET
SWTSW-RTN
BKLIGHT_ON
J7001_BUS[0:50]
J7001
CN1
CN2
CN3
PCB35
Control panel
inverter PCB
OUT
<N.C>
<N.C>
GND
OUT
<N.C>
<N.C>
GND
Color LCD and Touch Panel
PCBxx
Xxxx PCB
CENTRO_DISP_I/F_3

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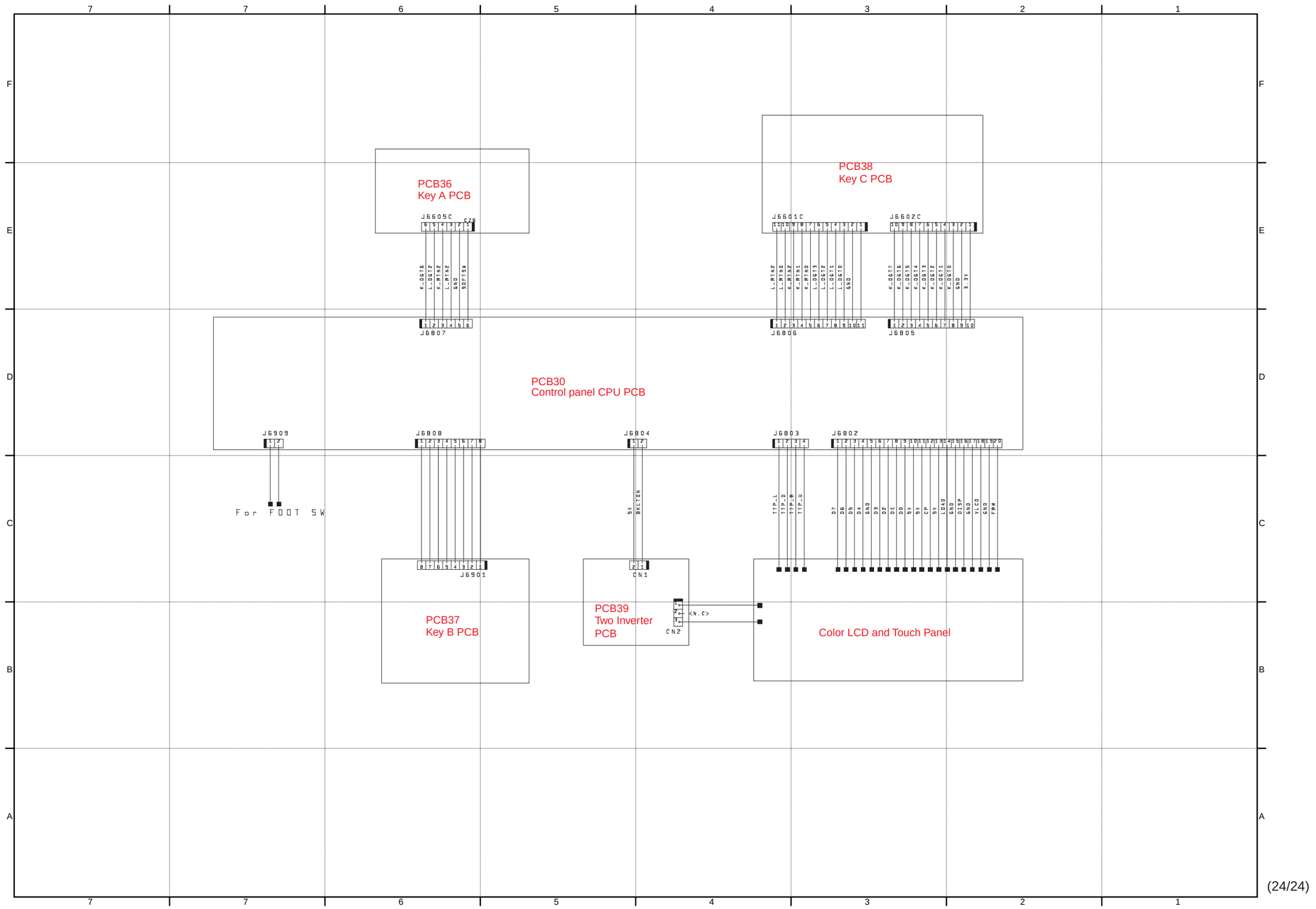
PCB36
Key A PCB
J6605C
PCB38
Key C PCB
J6601C
J6602C
J6807
J6806
J6805
PCB30
Control panel CPU PCB
J6909
J6808
J6804
J6803
J6802
For FOOT SW
J6901
CN1
PCB37
Key B PCB
PCB39
Two Inverter
PCB
CN2
<N.C>
Color LCD and Touch Panel

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Jan 5 2005

Canon