

General Timing Chart / General Circuit Diagram

**Finisher, Sorter, DeliveryTray
Saddle Finisher-V2**

Canon

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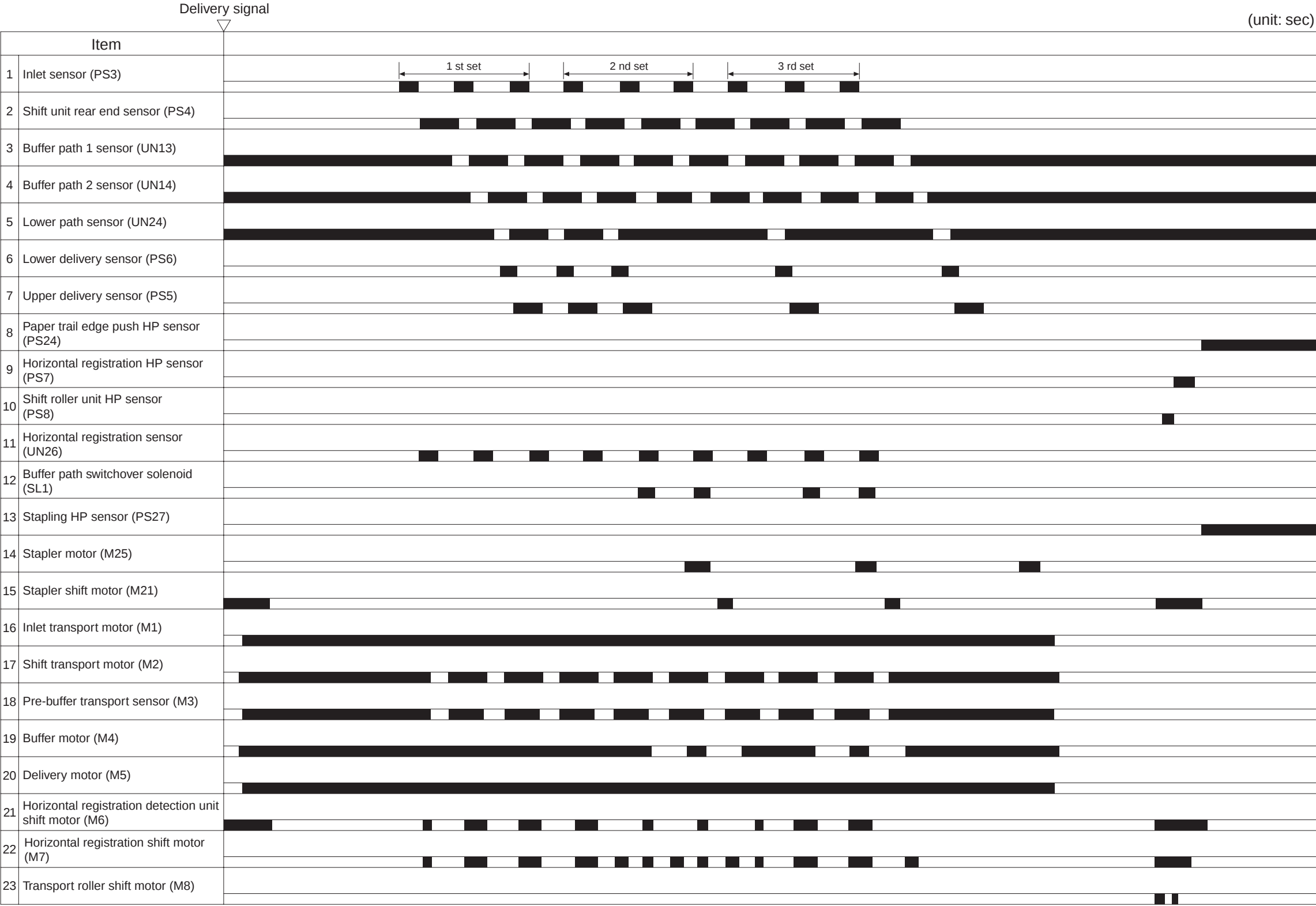
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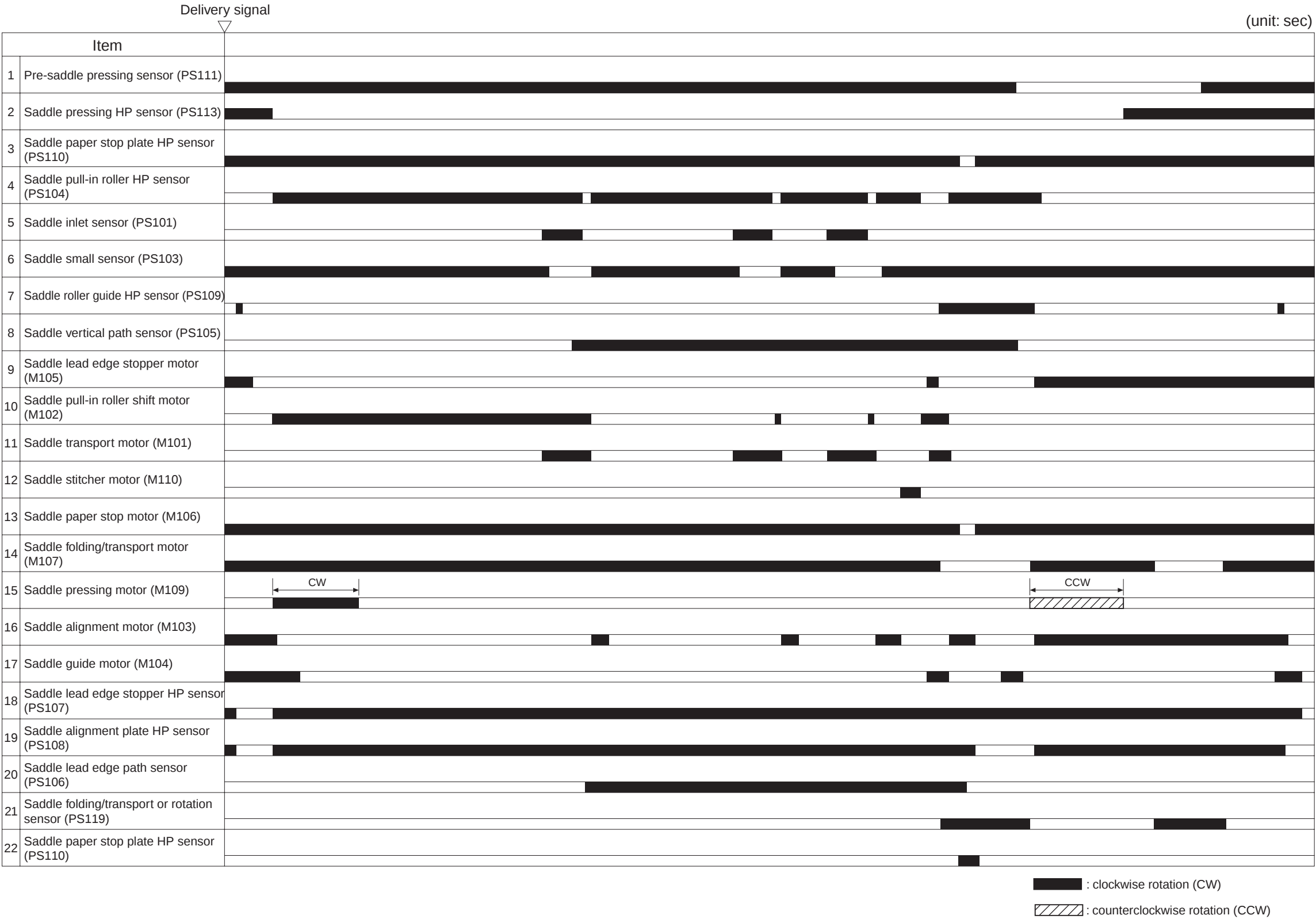
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1 Genelal Timing Chart
Timing Chart (Finisher Unit)
Stapling : A4 size paper, 2-sheet document, rear1-point stapling



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Timing Chart (Saddle Stitcher Unit)
Stitching : A4R size paper, 3-sheet document, 1 set



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Notation	Signal name
ASSIST-HP-SEN	assist motor home position detection sig- nal
ASSIST-M-8FG*	assist motor rotation detection signal
ASSIST-M-CLK	assist motor clock signal
ASSIST-M-CW*	assist motor drive signal
ASSIST-M-IHA	assist motor current switch signal 1
ASSIST-M-ILB	assist motor current switch signal 2
ASSIST-R-SL1	assist roller shift solenoid signal 1
ATRY-M-Clk	tray A lift motor clock signal
ATRY-M-CW	tray A lift motor drive signal
ATRY-M-IA	tray A lift motor current switch signal 1
ATRY-M-IB	tray A lift motor current switch signal 2
ATRY-POSS-SEN1	tray A area sensor detection signal 1
ATRY-POSS-SEN2	tray A area sensor detection signal 2
ATRY-POSS-SEN3	tray A area sensor detection signal 3
ATRY-POSS-SEN4	tray A area motor detection signal 4
ATRY-P-SEN	tray A paper sensor detection signal
ATRY-SHIMEN-SEN*	tray A paper surface sensor detection signal
BIN-DETECT-SEN1	paper edge sensor detection signal 1
BIN-DETECT-SEN2	paper edge sensor detection signal 2
BJOG-HP-SEN	rear alignment motor home position de- tection signal
BJOG-M-Clk	rear alignment motor clock signal
BJOG-M-CW*	rear alignment motor drive signal
BJOG-M-IHA*	rear alignment motor current switch sig- nal
BTRY-ISA-SEN*	tray bias sensor detection signal
BTRY-KILL	tray B disengagement signal
BTRY-M-Clk	tray B lift motor clock signal
BTRY-M-CW	tray B lift motor drive signal
BTRY-M-IA	tray B lift motor current switch signal 1
BTRY-M-IB	tray B lift motor current switch signal 2
BTRY-POSS-SEN1	tray B position sensor detection signal 1

Notation	Signal name
BTRY-POSS-SEN2	tray B position sensor detection signal 2
BTRY-POSS-SEN3	tray B position sensor detection signal 3
BTRY-POSS-SEN4	tray B position sensor detection signal 4
BTRY-P-SEN	tray B paper sensor detection signal
BTRY-SHIMEN-SEN*	tray B paper surface sensor detection signal
BTRY-SL-ON*	auxiliary tray solenoid signal
BUFF2-SEN*	buffer No. 2 sensor detection signal
BUFF-M-Clk	buffer motor clock signal
BUFF-M-CW	buffer motor drive signal
BUFF-M-IA	buffer motor current switch signal 1
BUFF-M-IB	buffer motor current switch signal 2
BUFF-PASS-SEN*	buffer path sensor detection signal
BUFF-SL-ON	buffer path switch solenoid signal
BUNDLE-M-8FG*	stack delivery motor rotation detection signal
BUNDLE-M-CLK	stack delivery motor clock signal
BUNDLE-M-CW*	stack delivery motor drive signal
BUNDLE-M-IHA	stack delivery motor current switch signal 1
BUNDLE-M-IHB	stack delivery motor current switch signal 2
DN-SORT-SEN	lower delivery sensor detection signal
EXP-M-CLK	delivery motor clock signal
EXP-M-CW	delivery motor rotation direction switch signal
EXP-M-IHA	delivery motor current switch signal 1
EXP-M-ILB	delivery motor current switch signal 2
FAN-ERR	power supply fan error detection signal
FEEDROLLER-PARTM-A	transport roller shift motor drive signal A
FEEDROLLER-PARTM-B	transport roller shift motor drive signal B
FEEDROLLER-PARTM-IA	transport roller shift motor current switch signal 1
FEEDROLLER-PARTM-IB	transport roller shift motor current switch signal 2
FF-M-4FG*	folding/transport motor rotation detection signal
FJOG-HP-SEN	front alignment motor home position detection signal

Notation	Signal name
FJOG-M-Clk	front alignment motor clock signal
FJOG-M-CW*	front alignment motor drive signal
FJOG-M-IHA*	front alignment motor current switch signal
FRONT-BIN-M-A	paper edge stopper shift motor drive signal A
FRONT-BIN-M-B	paper edge stopper shift motor drive signal B
FRONT-BIN-M-IHA*	paper edge stopper shift motor current switch signal
FRONT-SW-OPEN	front door open detection signal
HOOK-FULL-SEN	staple waste case full detection signal 1
INPASS-M-Clk	inlet transport motor clock signal
INPASS-M-CW	inlet transport motor drive signal
INPASS-M-IHA	inlet transport motor ON signal
INPASS-M-IHB	inlet transport motor current switch signal
IRIGUCHI-SEN	inlet sensor detection signal
ISA-SEL	paper surface sensor AD input selector signal 3
KOUTAN-HP-SEN	trail edge pushing home position detection signal
KOUTAN-M-A	paper trail edge pushing motor drive signal A
KOUTAN-M-B	paper trail edge pushing motor drive signal B
KOUTAN-M-IHA*	paper trail edge pushing motor current switch signal
MOTARE-SEL	paper surface sensor AD input selector signal 1
OTRY-HP-SEN	stack delivery auxiliary tray home position detection signal
OTRY-M-A	stack delivery auxiliary tray motor drive signal A
OTRY-M-B	stack delivery auxiliary tray motor drive signal B
OTRY-M-IHA*	stack delivery auxiliary tray motor start-up signal
PASS-M-Clk	pre-buffer transport motor clock signal
PASS-M-CW	pre-buffer transport motor drive signal
PASS-M-FG*	pre-buffer transport rotation detection signal

Notation	Signal name
PASS-M-IA	pre-buffer transport motor current switch signal 1
PASS-M-IB	pre-buffer transport motor current switch signal 2
PDL-M-Clk	paddle rotation motor clock signal
PDL-M-CW*	paddle rotation motor drive signal
PDL-M-IHA*	paddle rotation motor current switch signal
PDL-ROTATE-HP-SEN	paddle rotation home position detection signal
PDL-UPDOWN-HP-SEN	paddle lift home position detection signal
PDL-UP-M-A	paddle lift motor drive signal A
PDL-UP-M-B	paddle lift motor drive signal B
PDL-UP-M-IHA*	paddle lift motor current switch signal
RLT-HP-SEN	transport belt shift home position detection signal
RLT-M-A	transport belt shift motor drive signal A
RLT-M-B	transport belt shift motor drive signal B
RLT-M-IHA*	transport belt shift motor current switch signal
ROLLER-HP	transport roller home position detection signal
SDL-SL-ON	saddle path switch solenoid signal
SHIFT-FEED-M-CW	shift transport motor drive signal
SHIFT-FEED-M-IA	shift transport motor current switch signal 1
SHIFT-FEED-M-IB	shift transport motor current switch signal 2
SHIFT[FEED-M-CLK	shift transport motor clock signal
SHIFTUNIT-HP-SEN	shift roller unit home position detection signal
SHIFTUNIT-POST-SEN	shift unit trail edge sensor detection signal
SHIMENN-SEL	paper surface sensor AD input selector signal 2
SHITAPASU-SEN	lower path sensor detection signal
SHUTTER-HP-SEN	shutter position detection signal
SIDEREJI-HP	horizontal registration detection unit home position detection signal

Notation	Signal name
SIDEREJI-M-A	horizontal registration detection unit shift motor drive signal A
SIDEREJI-M-A*	horizontal registration detection unit shift motor drive signal A*
SIDEREJI-M-B	horizontal registration detection unit shift motor drive signal B
SIDEREJI-M-B*	horizontal registration detection unit shift motor drive signal B*
SIDEREJI-M-IHA	horizontal registration detection unit shift motor current switch signal 1
SIDEREJI-M-ILB	horizontal registration detection unit shift motor current switch signal 2
SIDEREJI-SEN*	horizontal registration sensor detection signal
SIDEREJI-SHIFT-M-CLK	horizontal registration shift motor clock signal
SIDEREJI-SHIFT-M-CW	horizontal registration shift motor rota- tion direction switch signal
SIDEREJI-SHIFT-M-IA	horizontal registration shift motor cur- rent switch signal 1
SIDEREJI-SHIFT-M-IB	horizontal registration shift motor cur- rent switch signal 2
STP-HP-SEN*	stapler home position detection signal
STP-M-CCW*	stapler motor direction switch signal
STP-M-CW*	stapler motor drive signal
STP-SLDM-CLK	stapler shift motor clock signal
STP-SLDM-CW	stapler shift motor drive signal
STP-SLDM-IA	stapler shift motor current switch signal
STP-SLDM-IB	stapler shift motor current switch signal
STRY-P-SEN	handling tray paper detection signal
STRY-SL-ON	handling tray solenoid drive signal
SUDDLE-SUBTRAY-SEN	saddle sub tray sensor detection signal
TRY-MSW*	tray approach detecting switch detection signal
UP-DOOR-OPEN	upper cover open detection signal
UPPASS-SL-ON*	upper path switch solenoid signal
UPPERGUIDE-HP-SEN	upper guide home position sensor signal
UPPERGUIDE-M-A	upper guide motor drive signal A
UPPERGUIDE-M-B	upper guide motor drive signal B
UPPERGUIDE-M-IHA*	upper guide motor current switch signal
UP-SORT-SEN	upper delivery sensor detection signal

List Of Signals(saddle finisher)

Notation	Signal name
YDG-CLS-SEN*	swing guide closed detection signal
YDG-HP-SEN	swing guide open detection signal
YDM-H-SPEED	swing guide motor high-speed setting signal
YDM-L-SPEED	swing guide motor low-speed setting signal
YDM-M-SPEED	swing guide motor middle-speed setting mode
YDM-ON*	swing guide motor drive signal

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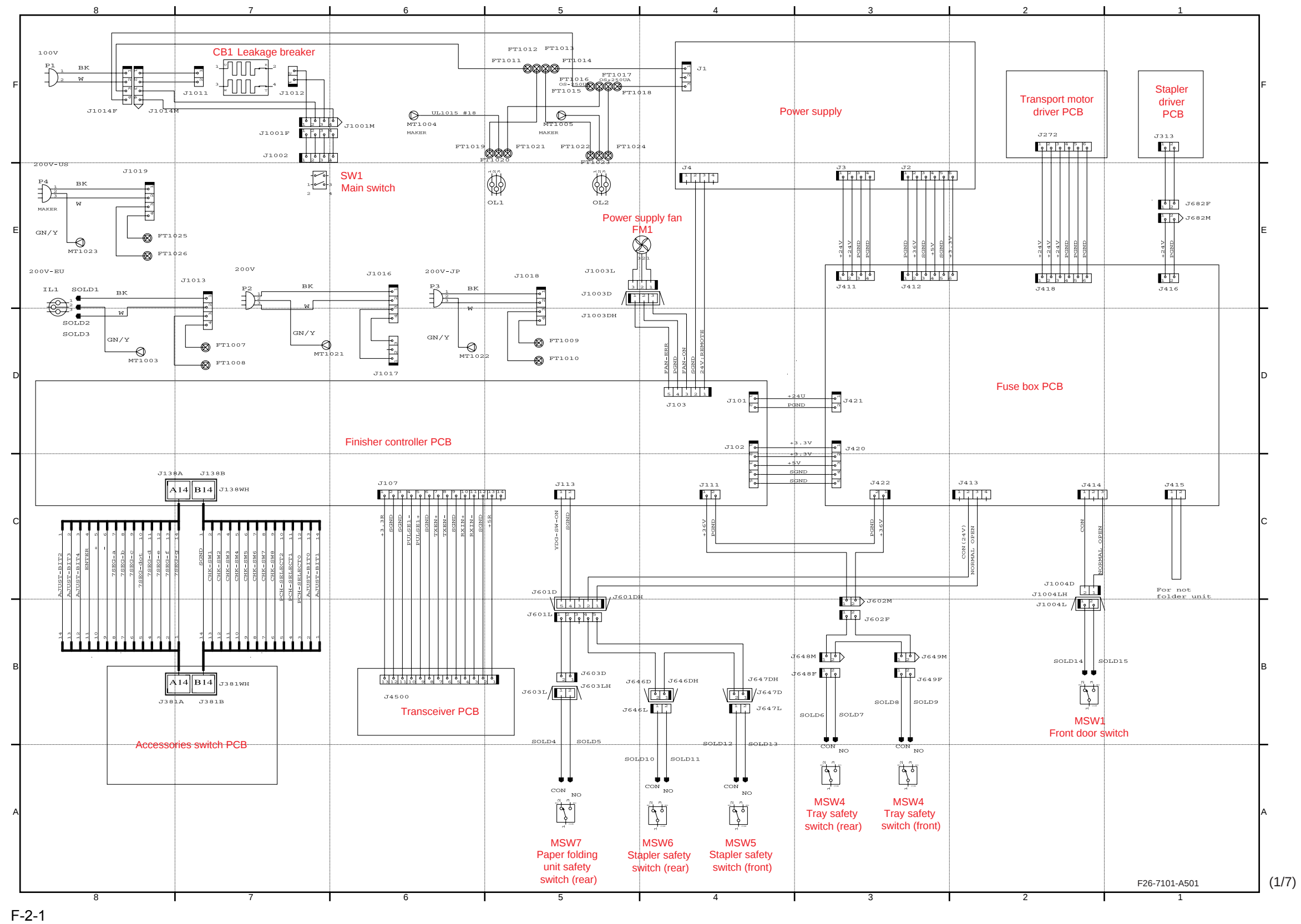
Notation	Signal name
BUNDLE-DELIVERY-SEN	saddle stack delivery sensor signal
CONVEYOR-M-A	saddle transport belt motor drive signal A
CONVEYOR-M-B	saddle transport belt motor drive signal B
CONVEYOR-M-IHA*	saddle transport belt motor current switch signal
CONVEYOR-P-SEN1	saddle transport belt paper detection signal 1
CONVEYOR-P-SEN2	saddle transport belt paper detection signal 2
DRAWROLLER-HP-SEN	saddle pull-in roller home position detection signal
DRAWROLLER-M-A	saddle pull-in roller shift motor drive signal A
DRAWROLLER-M-B	saddle pull-in roller shift motor drive signal B
DRAWROLLER-M-IHA	saddle pull-in roller shift motor current switch signal
FLAP-SL1	saddle flapper solenoid signal 1
FLAP-SL2	saddle flapper solenoid signal 2
FOLD-M-CCW	saddle fold transport motor CCW rotation drive signal
FOLD-M-CW	saddle fold transport motor CW rotation drive signal
FOLD-M-PWM	saddle fold transport motor PWM signal
JOG-HP-SEN	saddle alignment home position detection signal
JOG-M-A	saddle alignment motor drive signal A
JOG-M-A*	saddle alignment motor drive signal A*
JOG-M-B	saddle alignment motor drive signal B

Notation	Signal name
JOG-M-B*	saddle alignment motor drive signal B*
JOG-M-IHA	saddle alignment motor current switch signal
LENGTH-PATH-SEN	saddle vertical path sensor signal
PRESS-CLK-SEN	saddle pressing motor clock signal
PRESS-HP-SEN	saddle pressing home position detection signal
PRESS-M-CCW	saddle pressing motor CCW rotation drive signal
PRESS-M-CW	saddle pressing motor CW rotation drive signal
PRESS-M-PWM	saddle pressing motor PWM signal
PRESS-POSITION-SEN	saddle pressing position detection signal
ROLLERGUIDE-HP-SEN	saddle roller guide home position detection signal
ROLLERGUIDE-M-A	saddle roller guide motor drive signal A
ROLLERGUIDE-M-B	saddle roller guide motor drive signal B
ROLLERGUIDE-M-IHA	saddle roller guide motor current switch signal
SDL-FEED-M-CLK	saddle transport motor clock signal
SDL-FEED-M-CW	saddle transport motor drive signal
SDL-FEED-M-FG	saddle transport motor rotation detection signal
SDL-FEED-M-IHA	saddle transport motor current switch signal A
SDL-FEED-M-ILB	saddle transport motor current switch signal B
SDL-INLET-SEN	saddle inlet sensor signal
SMALL-SEN	saddle small-size paper sensor signal
STAPLE-HP-SEN	saddle stapling home position detection signal
STAPLE-LS2	saddle staple detection signal 2
STOPPER-HP-SEN	saddle lead edge stopper home position detection signal
STOPPER-M-A	saddle lead edge stopper motor drive signal A
STOPPER-M-B	saddle lead edge stopper motor drive signal B
STOPPER-M-IHA	saddle lead edge stopper motor current switch signal
STP-M-CCW	saddle staple motor CCW rotation drive signal
STP-M-CW	saddle stapler motor CW rotation drive signal

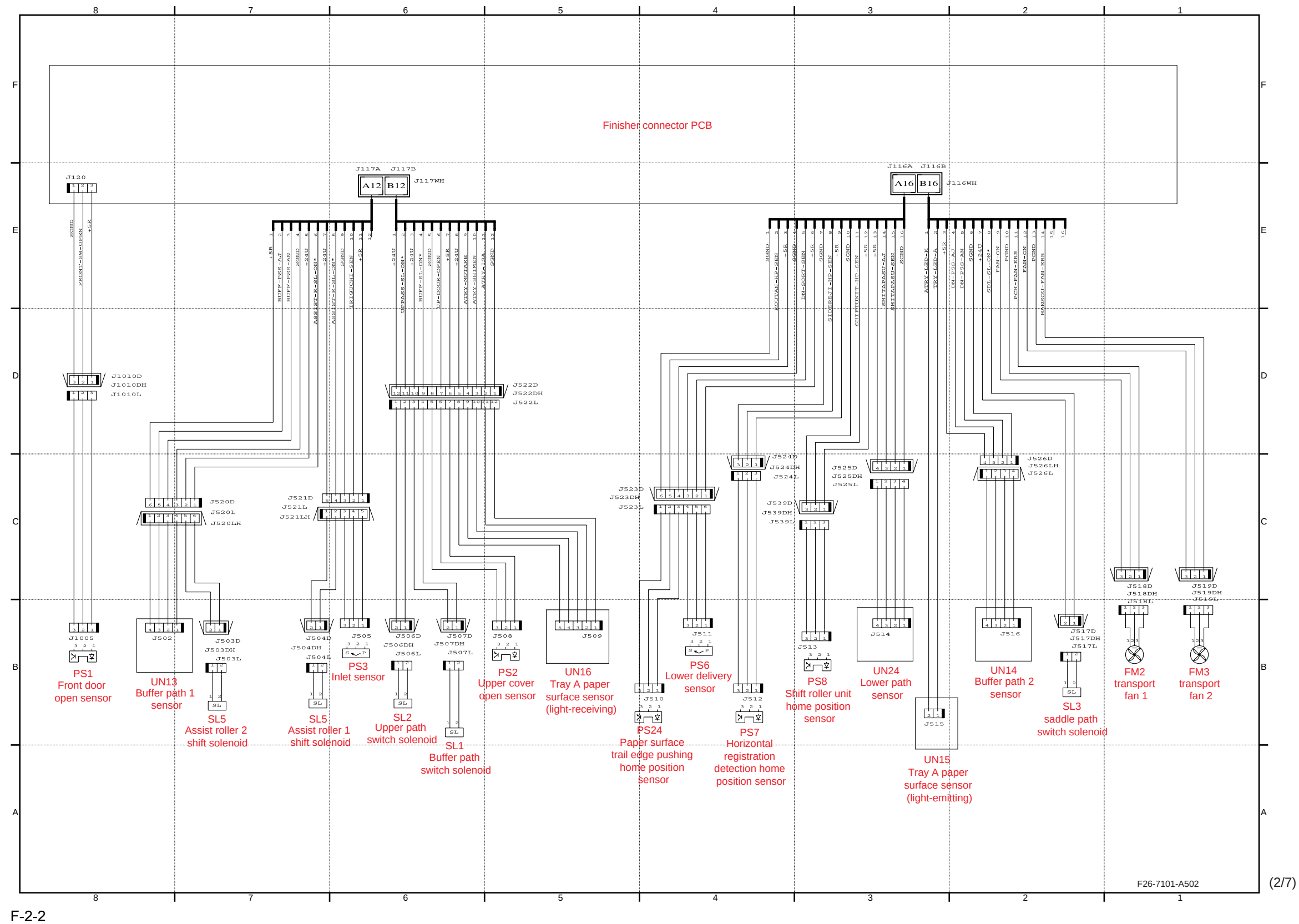
Notation	Signal name
THRUST-CLK-SEN	saddle butting motor clock sensor signal
THRUST-HP-SEN	saddle butting home position detection signal
THRUST-M-CCW	saddle butting motor CCW rotation drive signal
THRUST-M-CW	saddle butting motor CW rotation drive signal
THRUST-M-PWM	saddle butting motor PWM signal
TOP-PATH-SEN	saddle lead edge path detection signal

General Circuit Diagram(Finisher1)

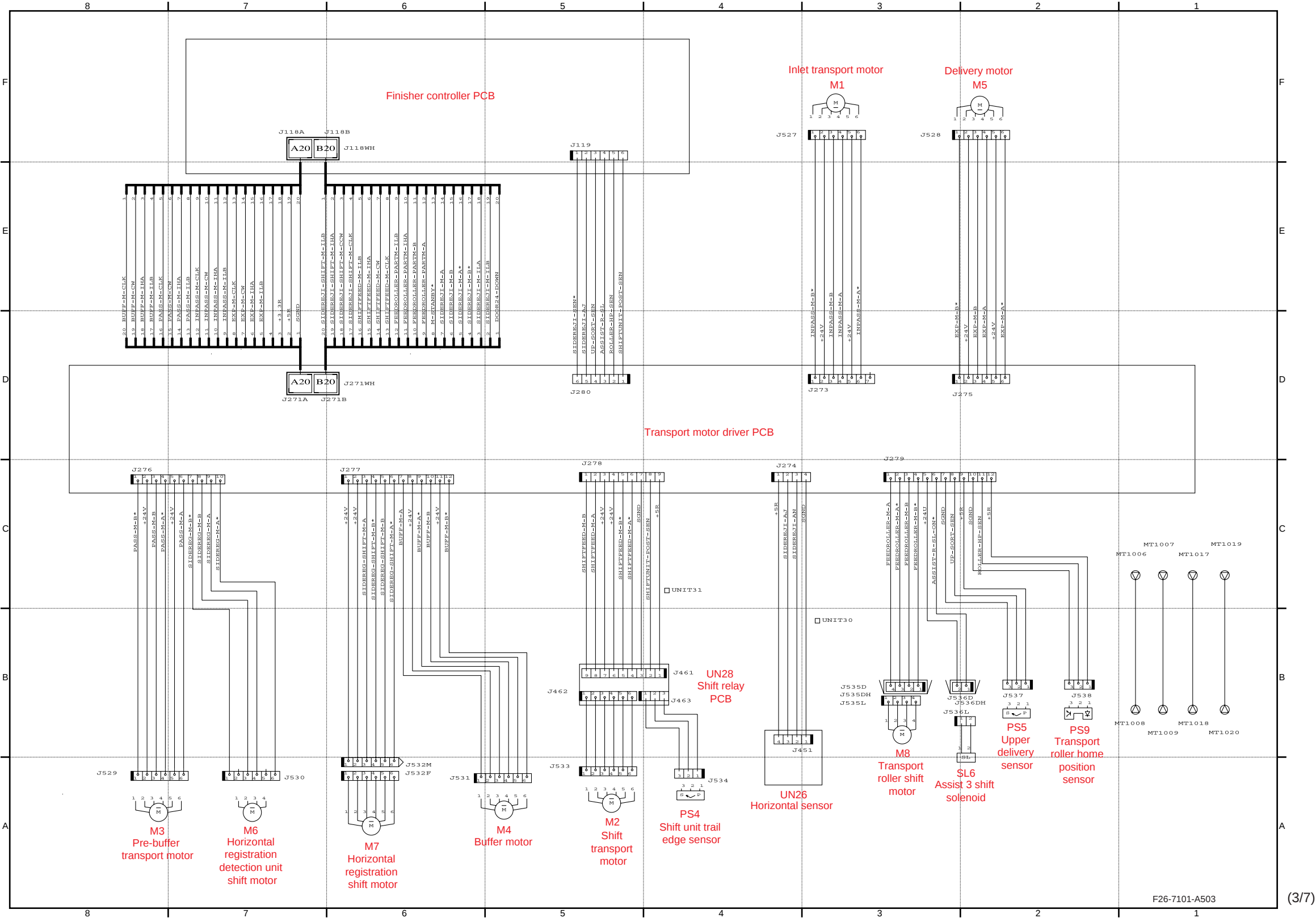
General Circuit Diagram(Finisher1)



General Circuit Diagram(Finisher2)

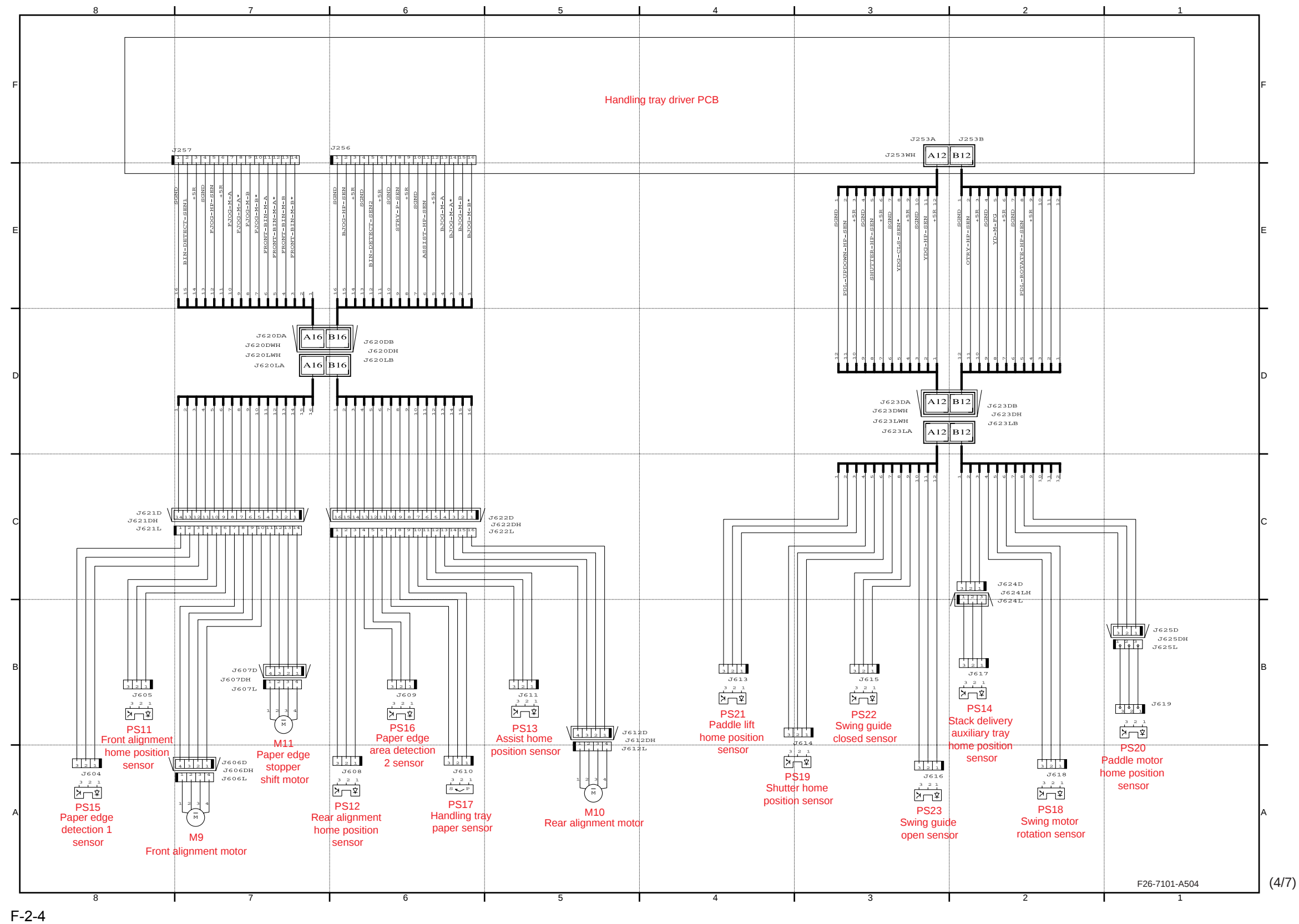


General Circuit Diagram(Finisher3)

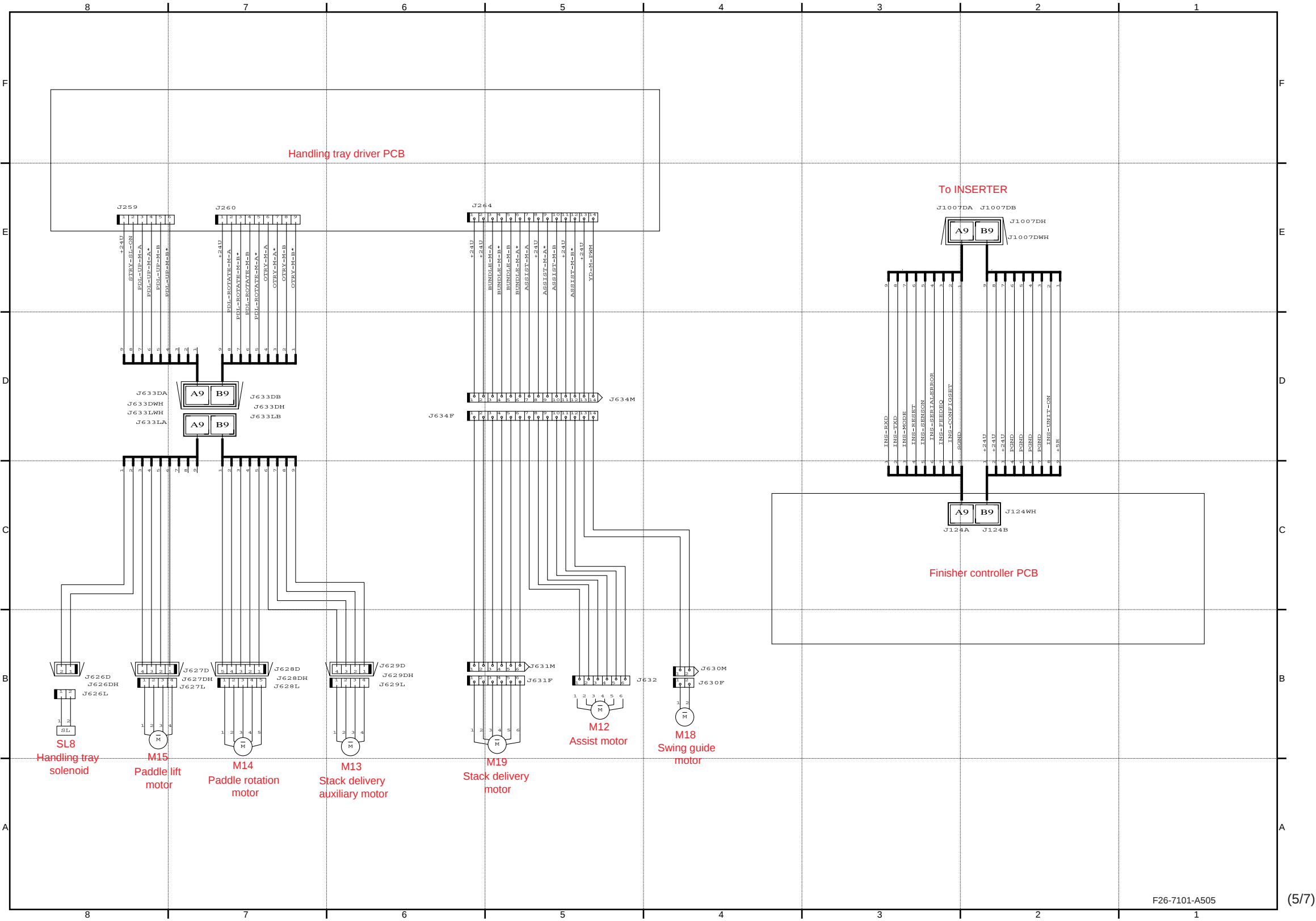


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General Circuit Diagram(Finisher4)

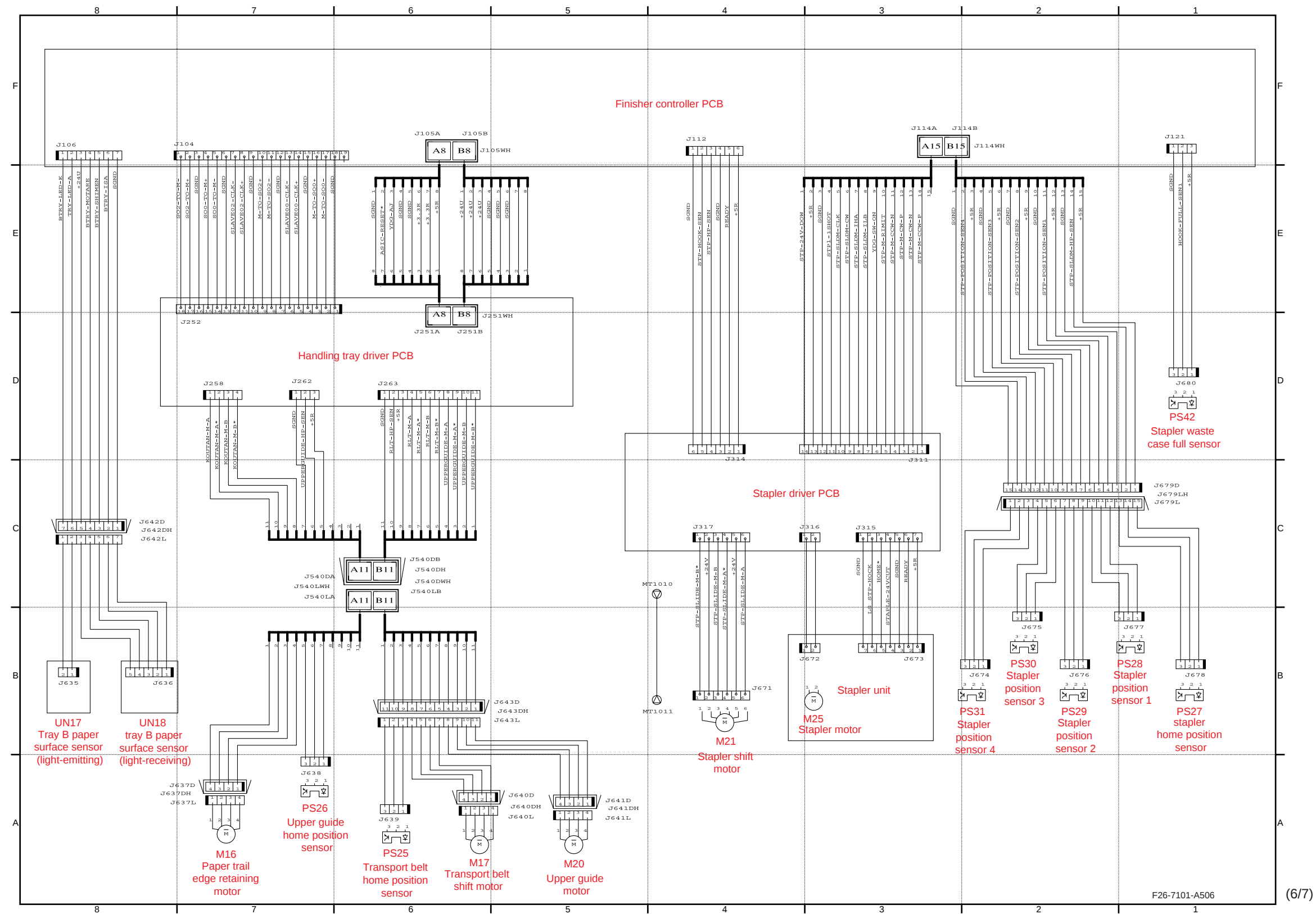


General Circuit Diagram(Finisher5)

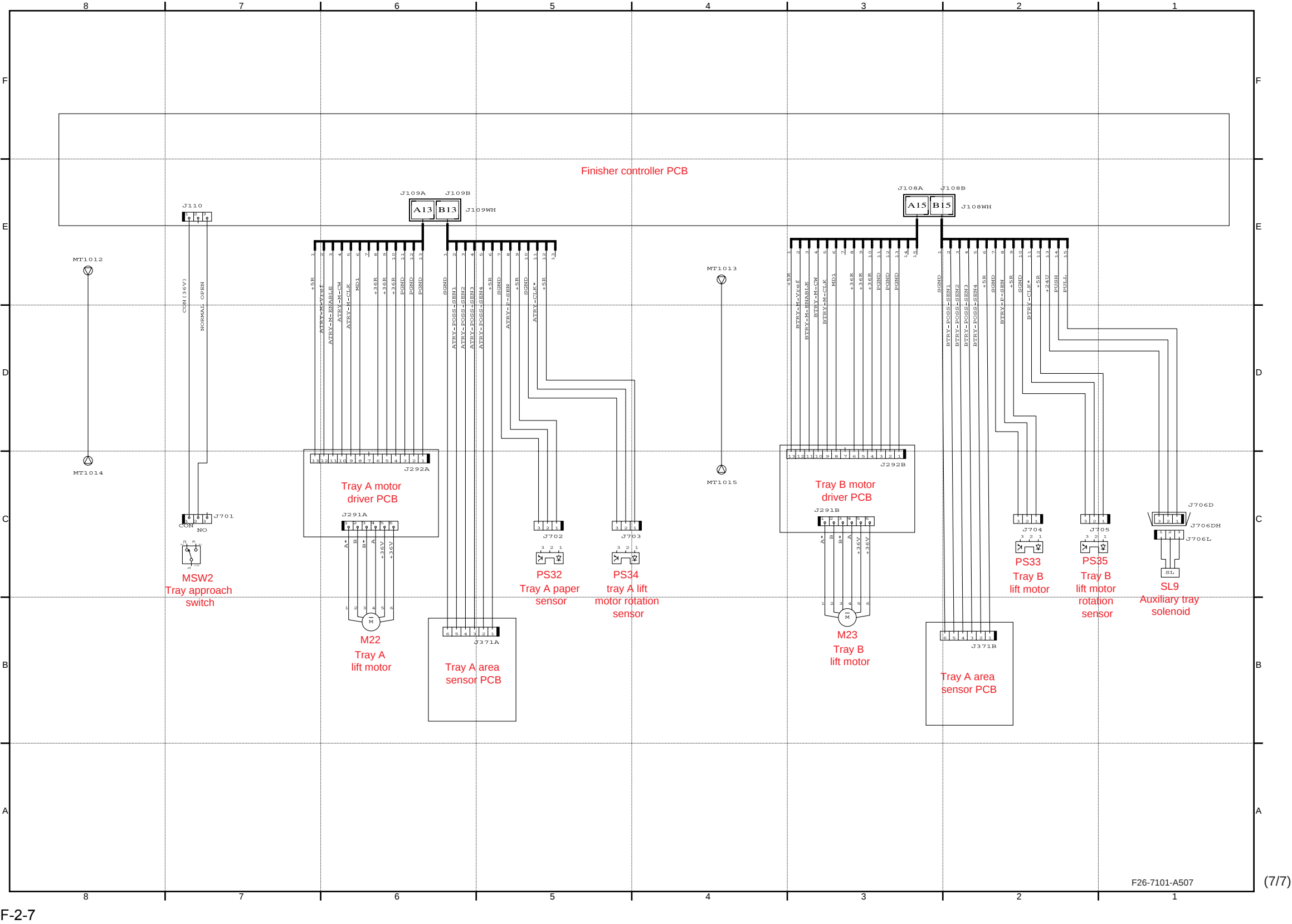


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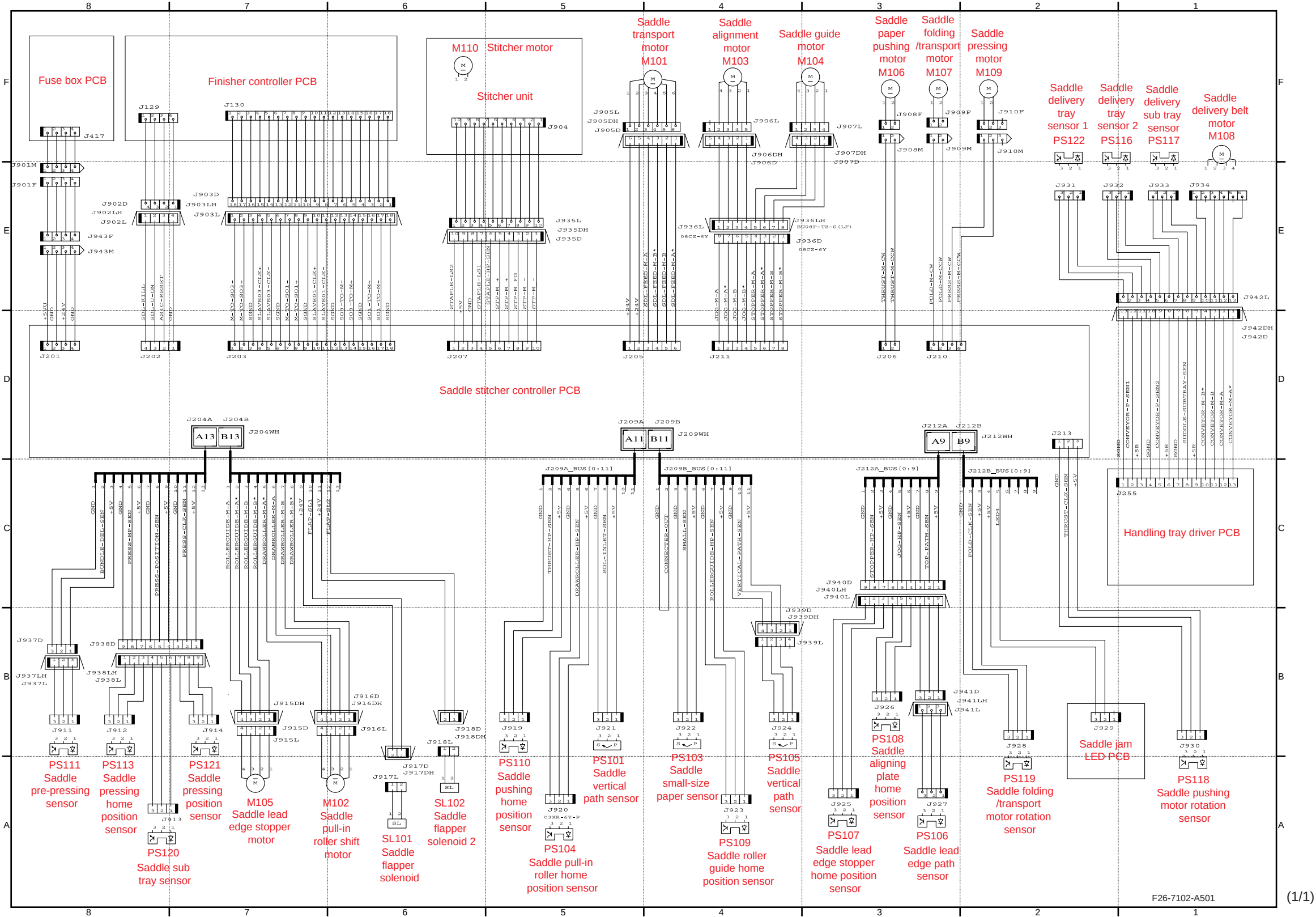
General Circuit Diagram(Finisher6)



General Circuit Diagram(Finisher7)



General Circuit Diagram(Saddle finisher1)



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Feb 7 2006

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