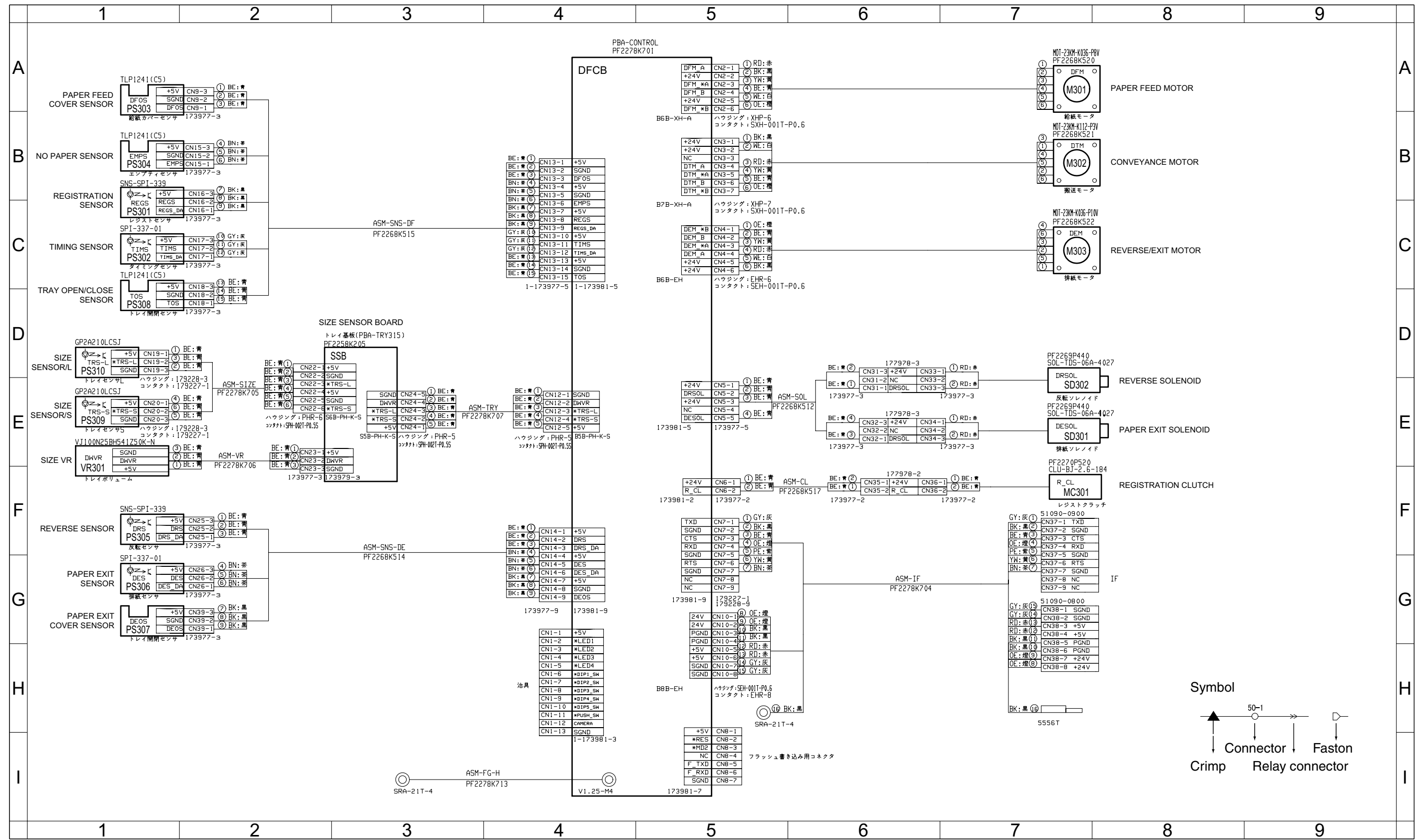


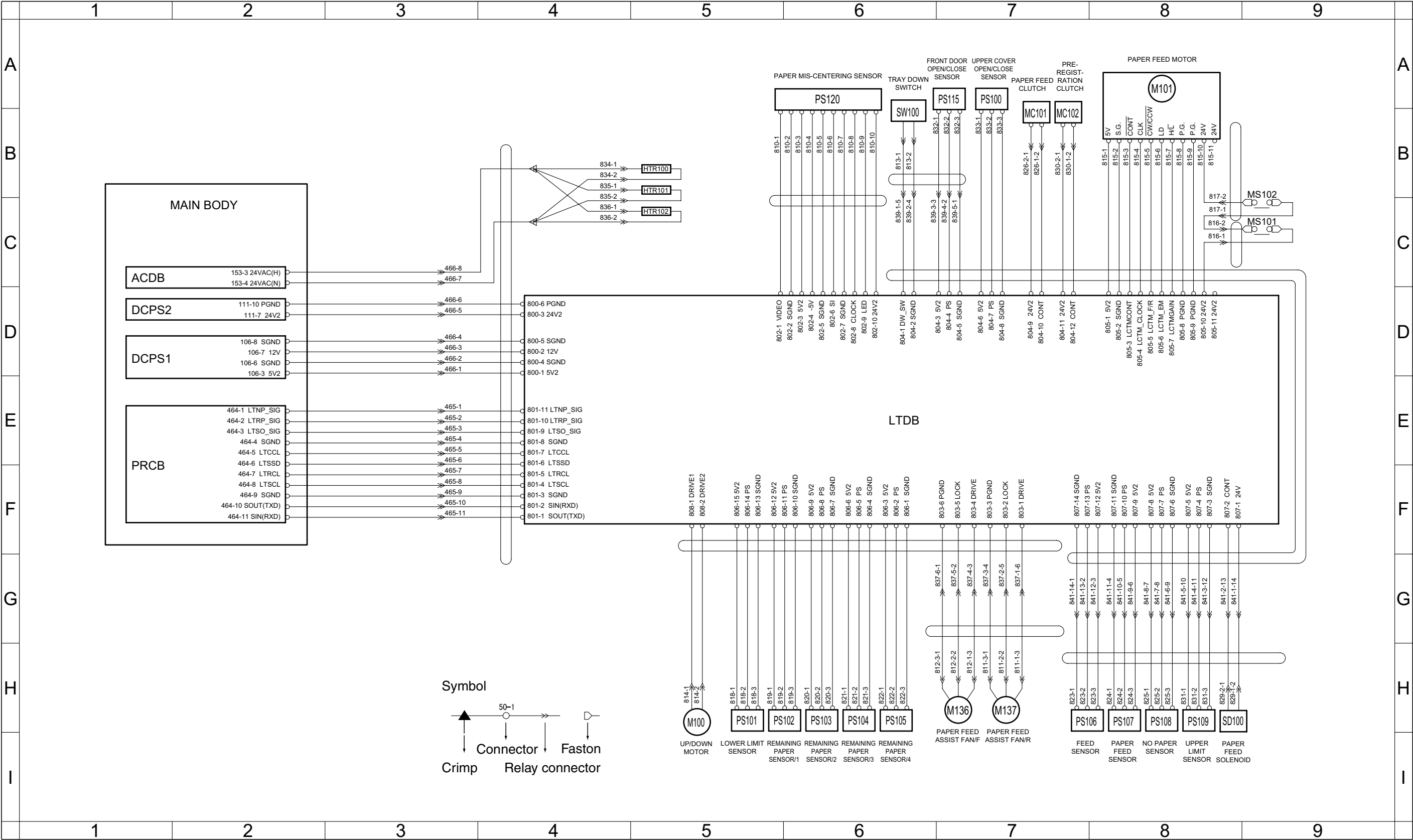
4. OVERALL WIRING DIAGRAM

4.1 AFR-20 Overall Wiring Diagram



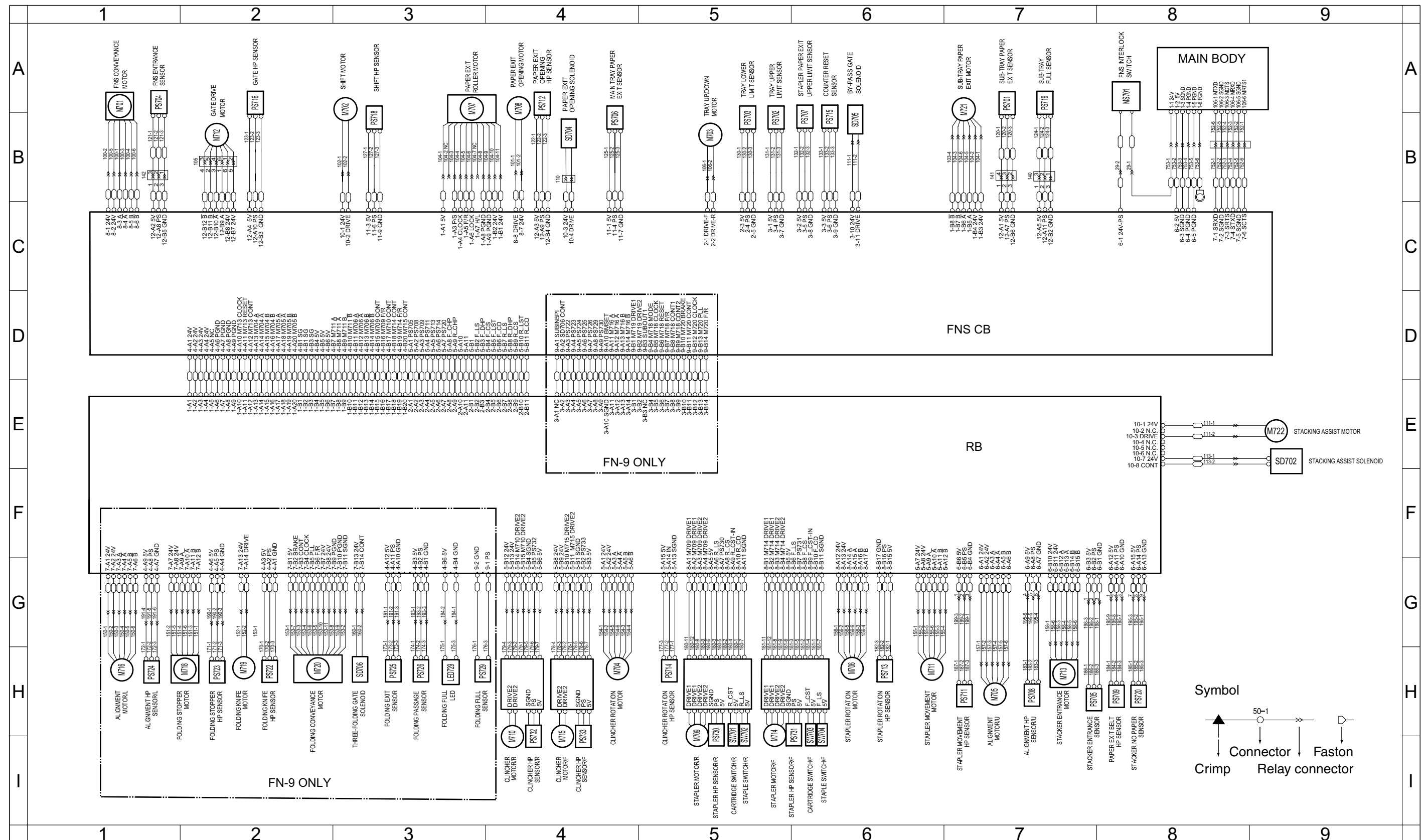
Symbol	Part name	Location
DFCB	RADF control board	4-A
M301	Paper feed motor	7-A
M302	Conveyance motor	7-B
M303	Reverse/exit motor	7-C
M304	ADF cooling fan	7-D
MC301	Registration clutch	7-F
PS301	Registration sensor	1-B
PS302	Timing sensor	1-C
PS303	Paper feed cover sensor	1-A
PS304	No paper sensor	1-B
PS305	Reverse sensor	1-F
PS306	Paper exit sensor	1-G
PS307	Paper exit cover sensor	1-G
PS308	Tray open/close sensor	1-D
PS309	Size sensor /S	1-E
PS310	Size sensor /L	1-D
SD301	Paper exit solenoid	7-E
SD302	Reverse solenoid	7-D
SSB	Size sensor board	2-D
VR301	Size VR	1-E

4.2 C-208 Overall Wiring Diagram



Symbol	Part name	Location
M101	Paper feed motor	8-A
M100	Up/down motor	5-H
M136	Paper feed assist fan/F	7-H
M137	Paper feed assist fan/R	7-H
MC101	Paper feed clutch	7-B
MC102	Pre-registration clutch	7-B
MS101	Front door interlock switch	9-C
MS102	Upper cover interlock switch	9-C
PS120	Paper mis-centering sensor	6-A
PS100	Upper cover open/close sensor	7-A
PS101	Lower limit sensor	5-H
PS102	Remaining paper sensor /1	5-H
PS103	Remaining paper sensor /2	6-H
PS104	Remaining paper sensor /3	6-H
PS105	Remaining paper sensor /4	6-H
PS106	Feed sensor	7-H
PS107	Paper feed sensor	8-H
PS108	No paper sensor	8-H
PS109	Upper limit sensor	8-H
PS115	Front door open/close sensor	7-A
SD100	Paper feed solenoid	8-H
SW100	Tray down switch	6-B
HTR100	Heater/1	5-B
HTR101	Heater/2	5-B
HTR102	Heater/3	5-C
LTDB	LT drive board	4-D

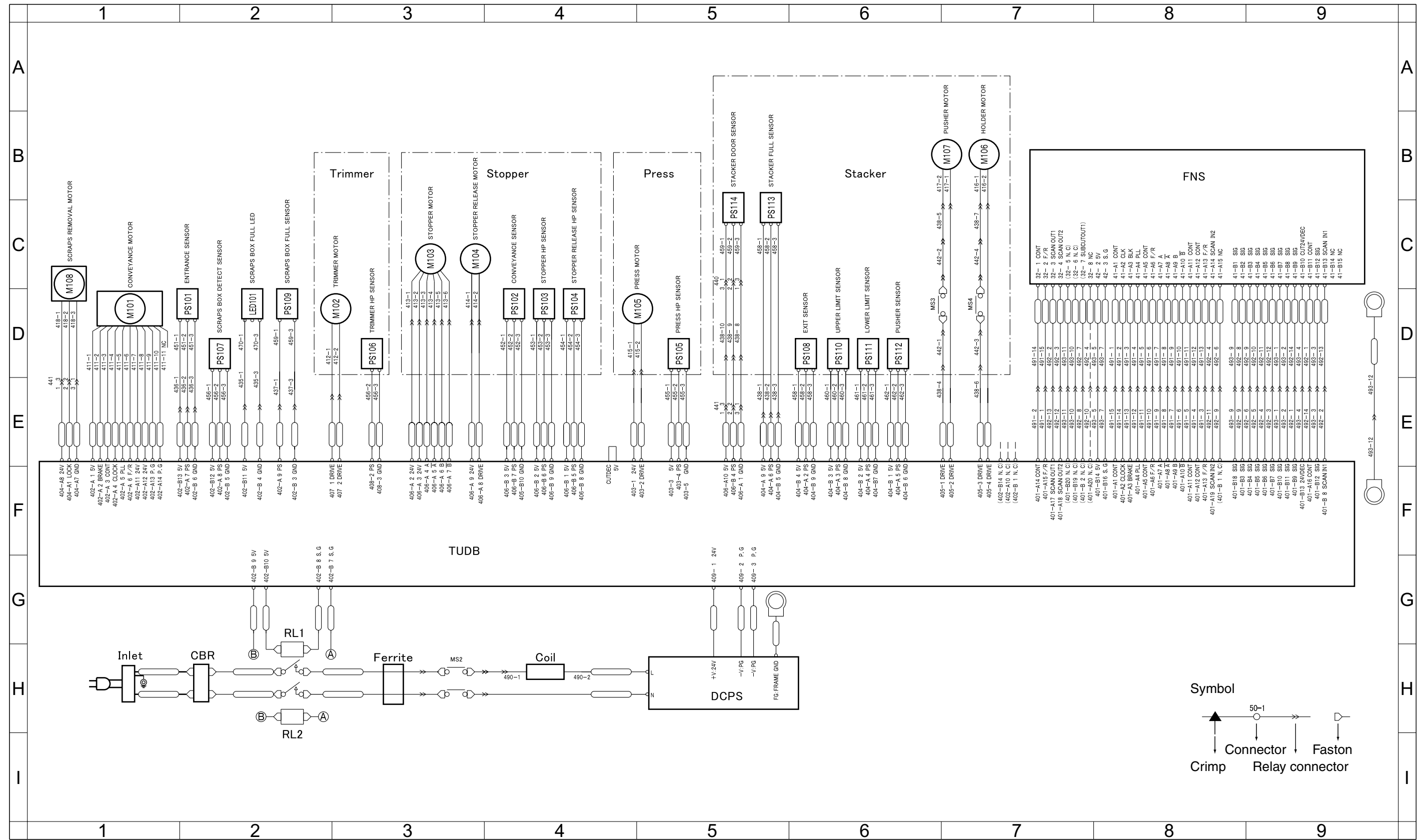
4.3 FN-120/FN-9 Overall Wiring Diagram



Symbol	Part name	Location
FNSCB	FNS control board	1-C
M701	FNS conveyance motor	1-A
M702	Shift motor	3-A
M703	Tray up/down motor	5-B
M704	Clincher rotation motor	4-H
M705	Alignment motor/U	7-H
M706	Stapler rotation motor	6-H
M707	Paper exit roller motor	3-A
M708	Paper exit opening motor	4-A
M709	Stapler motor/R	5-H
M710	Clincher motor/R	4-H
M711	Stapler movement motor	6-H
M712	Gate drive motor	2-B
M713	Stacker entrance motor	7-H
M714	Stapler motor/F	5-H
M715	Clincher motor/F	4-H
M716	Alignment motor/L	1-H
M718	Folding stopper motor	2-H
M719	Folding knife motor	2-H
M720	Folding conveyance motor	2-H
M721	Sub-tray paper exit motor	7-A
M722	Stacking assist motor	9-E
SD702	Stacking assist solenoid	9-E
SD704	Paper exit opening solenoid	4-B
SD705	By-pass gate solenoid	6-B
SD706	Three-folding gate solenoid	3-H
MS701	FNS interlock switch	8-A
PS701	Sub-tray paper exit sensor	7-A
PS702	Tray upper limit sensor	5-B
PS703	Tray lower limit sensor	5-B
PS704	FNS entrance sensor	1-A
PS705	Stacker entrance sensor	7-H
PS706	Main tray paper exit sensor	4-B
PS707	Stapler paper exit upper limit sensor	6-B
PS708	Alignment HP sensor/U	7-H
PS709	Paper exit belt HP sensor	8-H
PS711	Stapler movement HP sensor	7-H
PS712	Paper exit opening HP sensor	4-A
PS713	Stapler rotation HP sensor	6-H
PS714	Clincher rotation HP sensor	5-H
PS715	Counter reset sensor	6-B
PS716	Gate HP sensor	2-A

Symbol	Part name	Location
PS718	Shift HP sensor	3-B
PS719	Sub-tray full sensor	7-A
PS720	Stacker no paper sensor	8-H
PS722	Folding knife HP sensor	2-H
PS723	Folding stopper HP sensor	2-H
PS724	Alignment HP sensor/L	1-H
PS725	Folding exit sensor	3-H
PS726	Folding passage sensor	3-H
PS729	Folding full sensor	3-H
PS730	Stapler HP sensor/R	5-H
PS731	Stapler HP sensor/F	5-H
PS732	Clincher HP sensor/R	4-H
PS733	Clincher HP sensor/F	4-H
LED729	Folding full LED	3-H
SW701	Cartridge switch/R	5-H
SW702	Staple switch/R	5-H
SW703	Cartridge switch/F	6-H
SW704	Staple switch/F	6-H

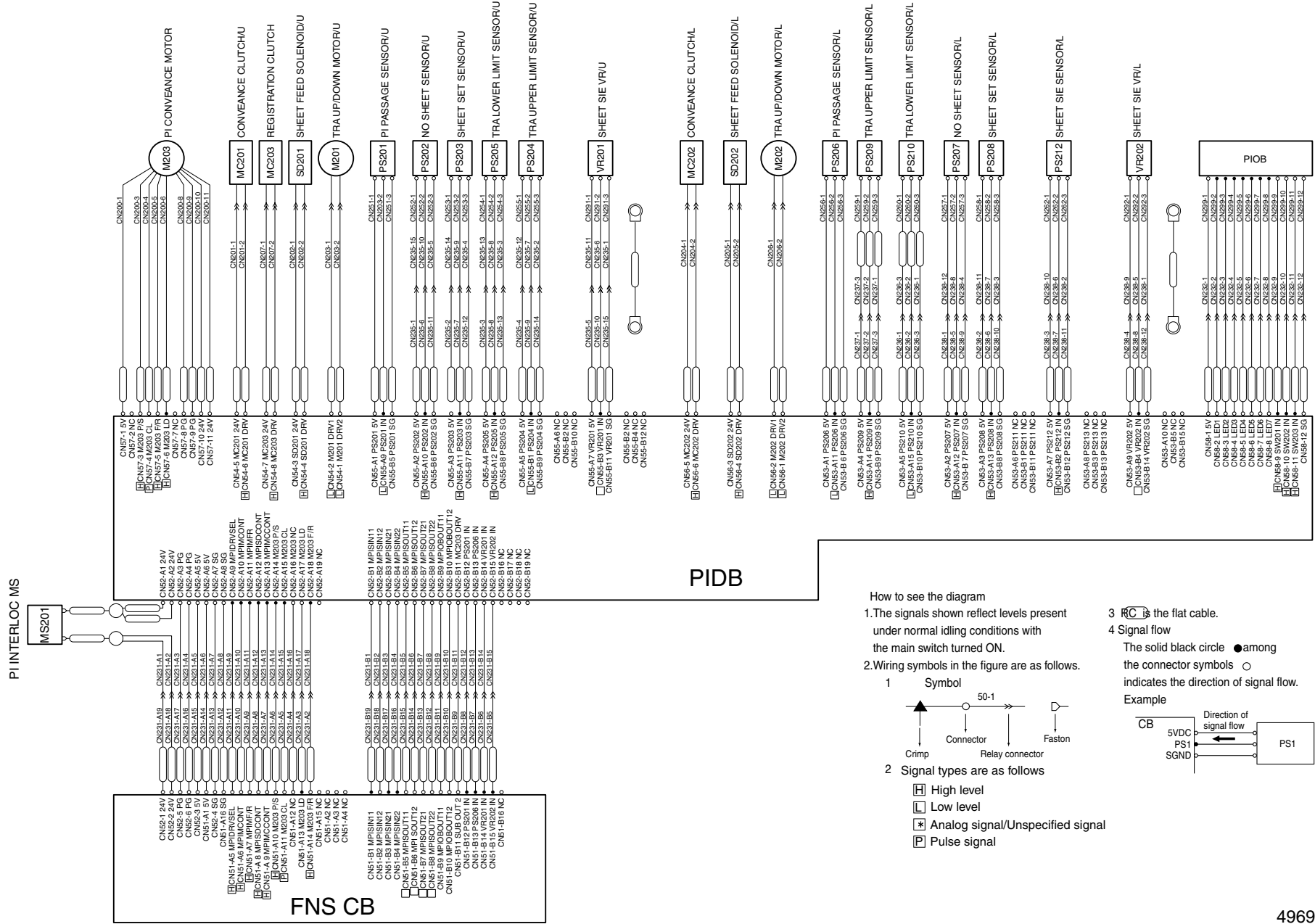
4.4 TMG-3 Overall Wiring Diagram



Symbol	Part name	Location
CBR	Circuit breaker	2-H
Coil	Coil	4-H
DCPS	DC power supply unit	5-H
LED101	Scraps full LED	2-D
M101	Conveyance motor	1-D
M102	Trimmer motor	3-D
M103	Stopper motor	3-C
M104	Stopper release motor	3-C
M105	Press motor	5-D
M106	Holder motor	7-B
M107	Pusher motor	7-B
M108	Scraps removal motor	1-C
MS2	Front door MS	3-H
MS3	Stacker MS3	6-D
MS4	Stacker MS4	7-D
PS101	Entrance PS	2-D
PS102	Conveyance PS	4-D
PS103	Stopper HP PS	4-D
PS104	Stopper release HP PS	4-D
PS105	Press HP PS	5-D
PS106	Trimmer HP PS	3-D
PS107	Scraps box detection PS	2-D
PS108	Exit PS	6-D
PS109	Scraps full PS	2-D
PS110	Upper limit PS	6-D
PS111	Lower limit PS	6-D
PS112	Pusher PS	6-D
PS113	Stacker full PS	5-C
PS114	Stacker door PS	5-C
RL1	Relay 1	2-H
RL2	Relay 2	2-H
TUDB	TU drive board	1-E

4.5 Cover Inserter D Overall Wiring Diagram

Cover Inserter D Overall Wiring Diagram



How to see the diagram

- The signals shown reflect levels present under normal idling conditions with the main switch turned ON.
- Wiring symbols in the figure are as follows.

1 Symbol

2 Signal types are as follows

- High level
- Low level
- Analog signal/Unspecified signal
- Pulse signal

3 the flat cable.

4 Signal flow

The solid black circle among the connector symbols indicates the direction of signal flow.

Example

CB 5VDC PS1 SGND

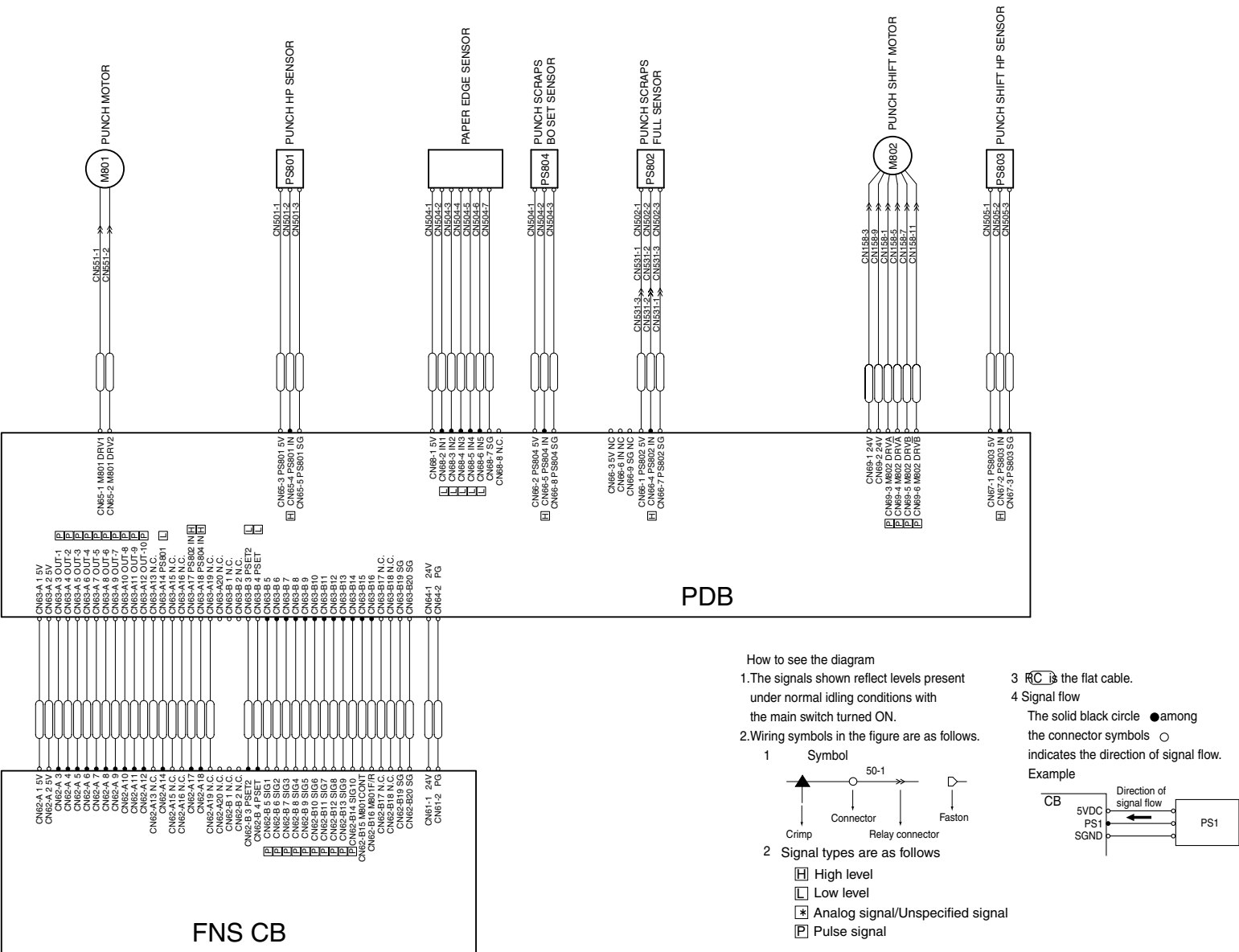
Direction of signal flow

PS1

4969fs5001

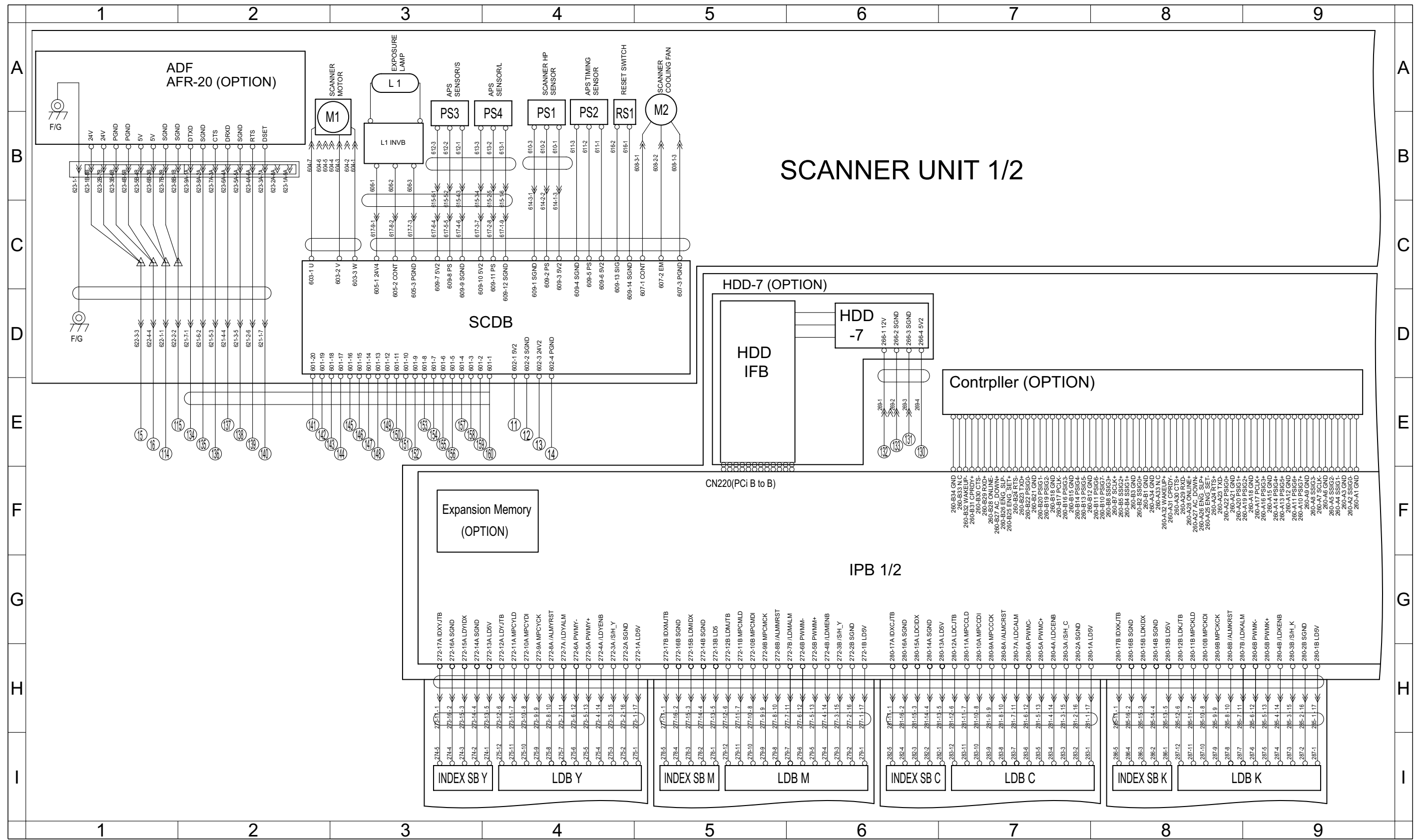
4.6 PK-5 Overall Wiring Diagram

P-5 Overall Wiring Diagram



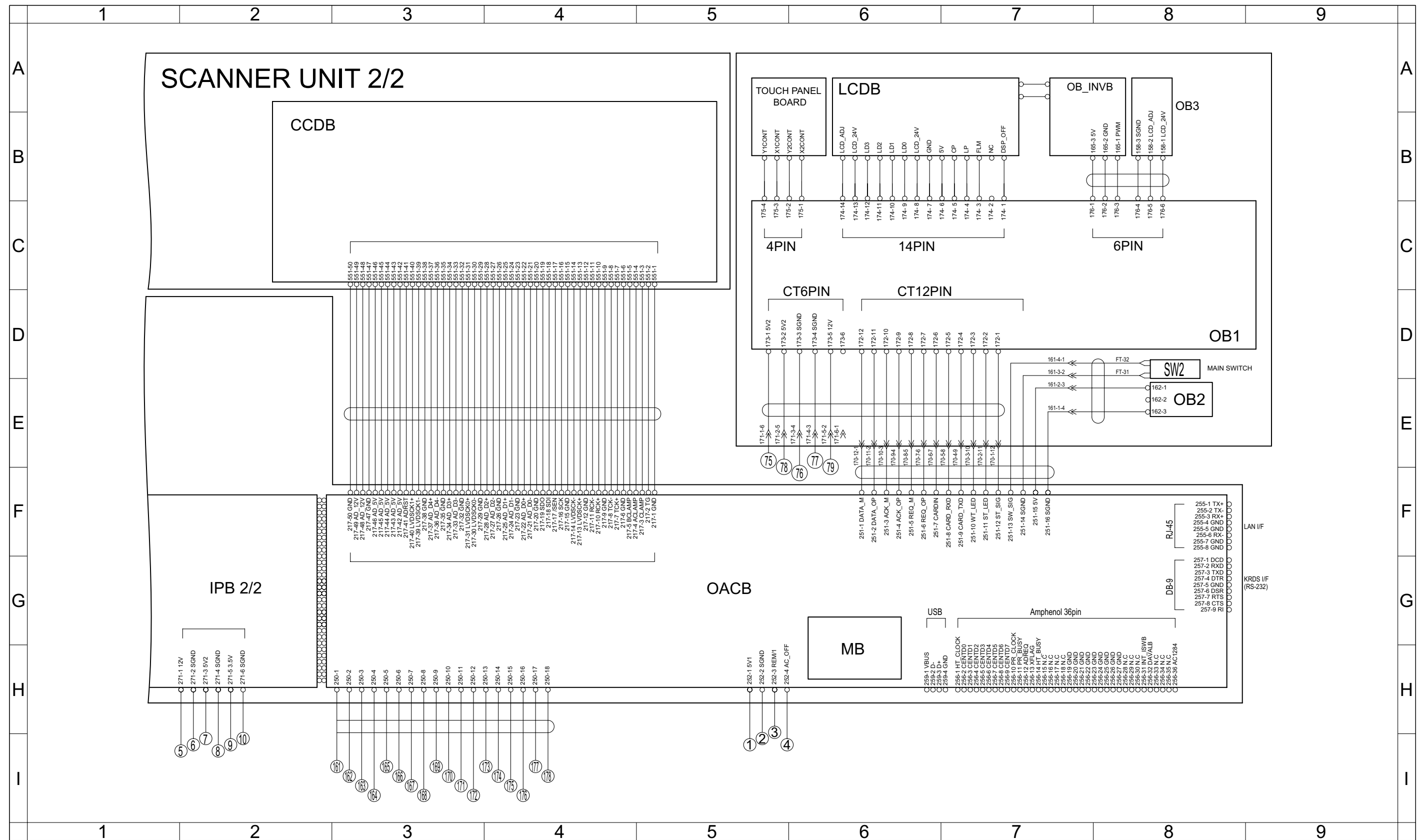
5. APPENDIX

5.1 CF5001 Overall Wiring Diagram (1/8)



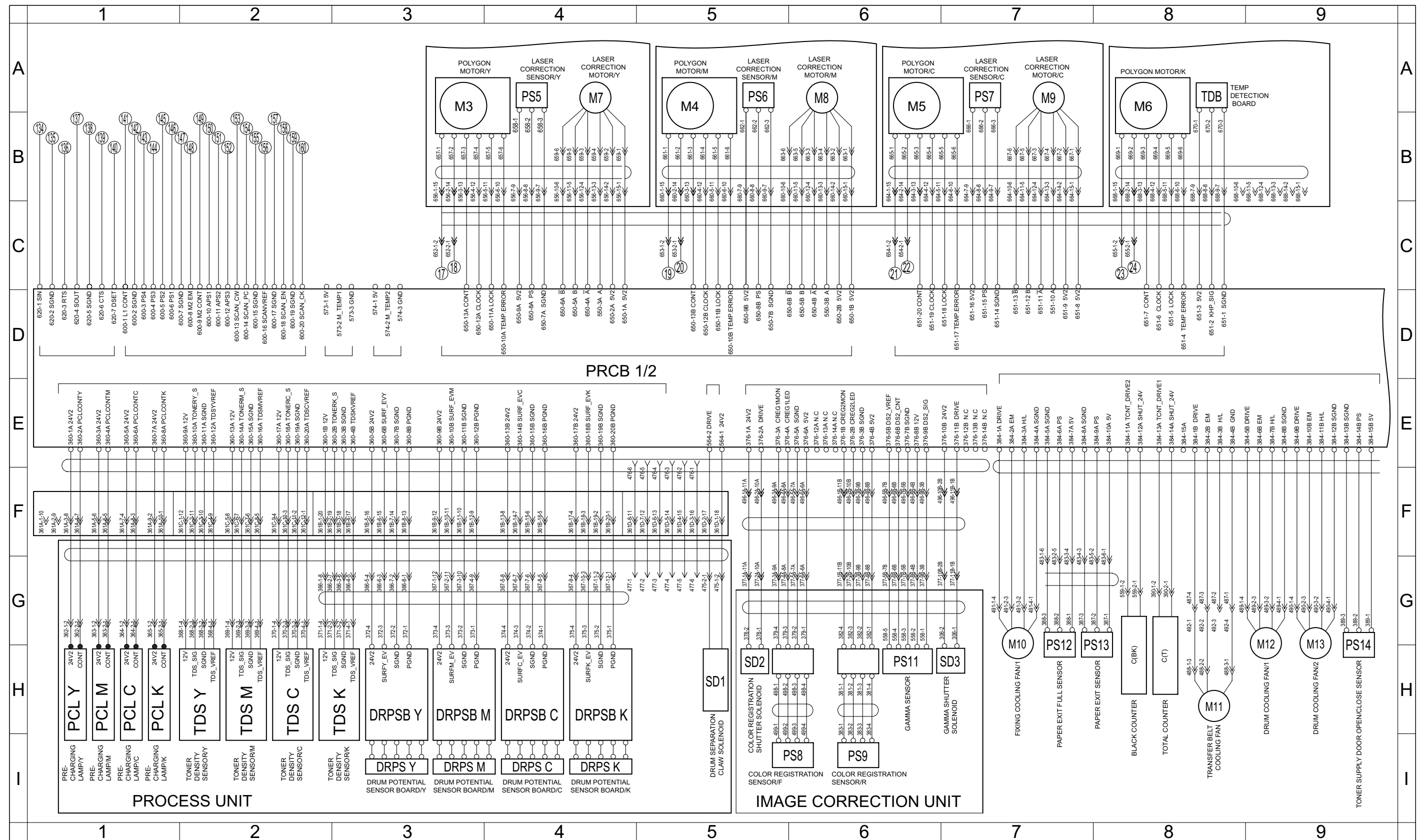
Symbol	Part name	Location
AFR-20	AFR-20 (option)	1-A
HDD-7	HDD-7 (option)	6-D
HDD IFB	HDD I/F board	5-D
INDX SB Y	INDEX sensor board /Y	3-I
INDX SB M	INDEX sensor board /M	5-I
INDX SB C	INDEX sensor board /C	6-I
INDX SB K	INDEX sensor board /K	8-I
Controller	Controller (option)	7-D
L1	Exposure lamp	3-A
LDB Y	Laser drive board /Y	4-I
LDB M	Laser drive board /M	5-I
LDB C	Laser drive board /C	7-I
LDB K	Laser drive board /K	8-I
M1	Scanner motor	2-A
M2	Scanner cooling fan	5-A
Expansion memory	Expansion memory (option)	3-F
PS1	Scanner HP sensor	4-A
PS2	APS timing sensor	4-A
PS3	APS sensor /S	3-A
PS4	APS sensor /L	4-A
RS1	DF Reset switch	4-A
L1INVB	L1 inverter	3-B
IPB	Image processing board	3-F
SCDB	Scanner drive board	2-C

5.2 CF5001 Overall Wiring Diagram (2/8)



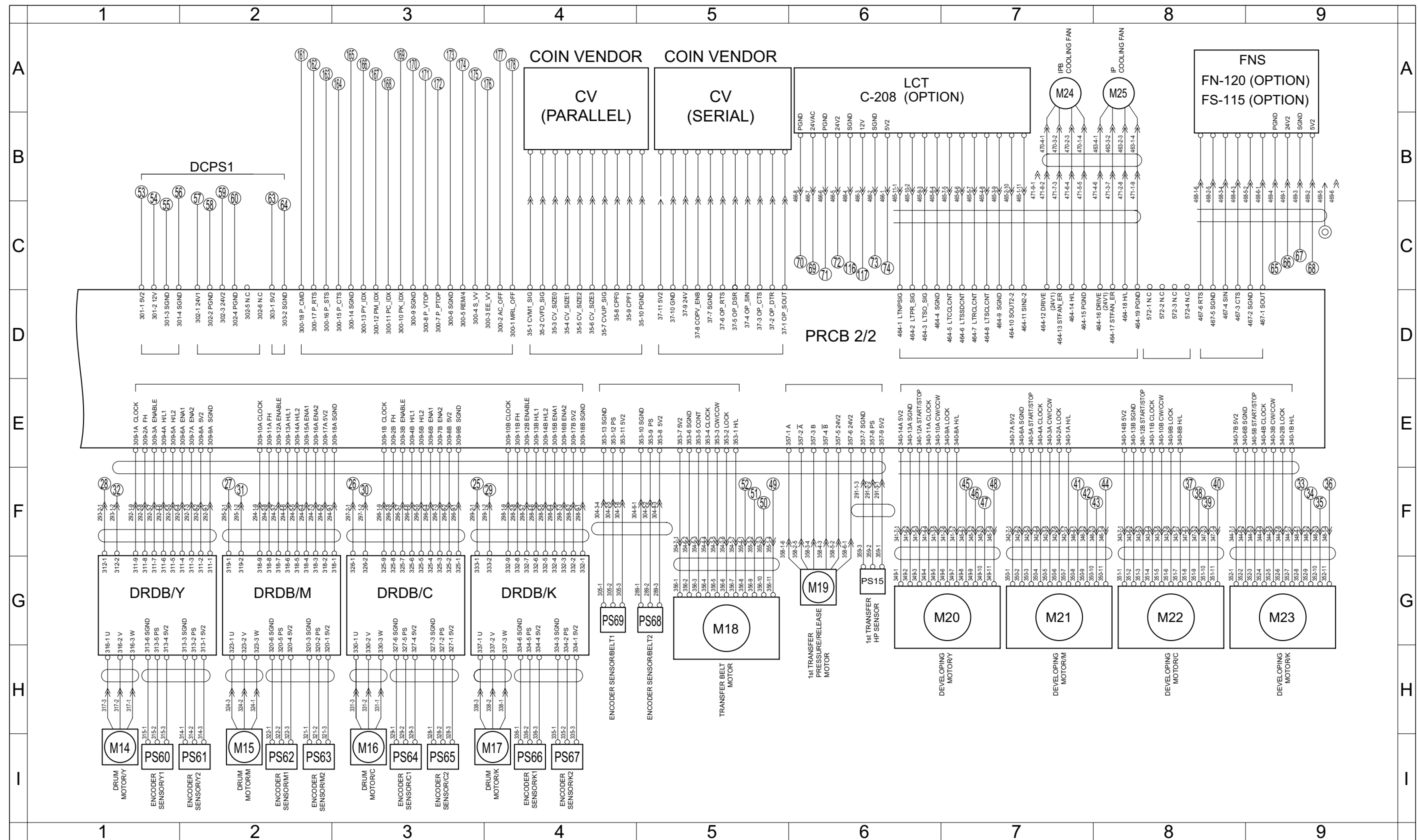
Symbol	Part name	Location
SW2	Main switch	8-D
OB INVB	OB inverter board	7-A
LCDB	LCD board	6-A
	Touch panel board	5-A
CCDB	CCD board	2-A
OB1	Operation board /1	5-C
OB2	Operation board /2	8-E
OB3	Operation board /3	8-A
OACB	Overall control board	3-F
MB	Memory board	6-G

5.3 CF5001 Overall Wiring Diagram (3/8)



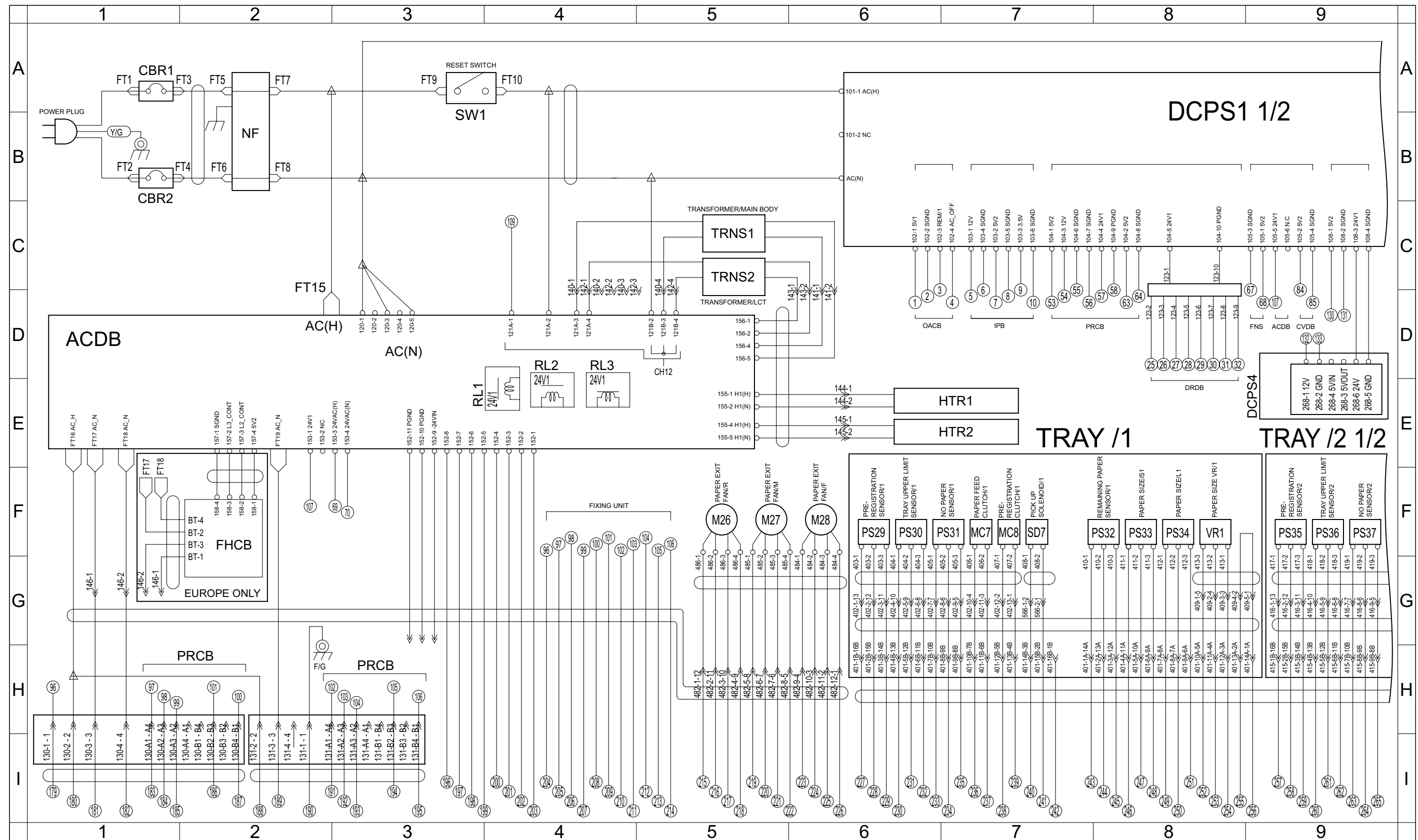
Symbol	Part name	Location
TDS Y	Toner density sensor /Y	2-H
TDS M	Toner density sensor /M	2-H
TDS C	Toner density sensor /C	2-H
TDS K	Toner density sensor /K	3-H
M3	Polygon motor /Y	3-A
M4	Polygon motor /M	5-A
M5	Polygon motor /C	6-A
M6	Polygon motor /K	8-A
M7	Laser correction motor /Y	4-A
M8	Laser correction motor /M	6-A
M9	Laser correction motor /C	7-A
M10	Fixing cooling fan /1	7-G
M11	Transfer belt cooling fan	8-H
M12	Drum cooling fan /1	9-G
M13	Drum cooling fan /2	9-G
PCL Y	Pre-charging lamp /Y	1-H
PCL M	Pre-charging lamp /M	1-H
PCL C	Pre-charging lamp /C	1-H
PCL K	Pre-charging lamp /K	1-H
PS5	Laser correction motor /Y	4-A
PS6	Laser correction motor /M	5-A
PS7	Laser correction motor /C	7-A
PS8	Color registration sensor /F	5-I
PS9	Color registration sensor /R	6-I
PS11	Gamma sensor	6-H
PS12	Paper exit full sensor	7-G
PS13	Paper exit sensor	7-G
PS14	Toner supply unit open/close sensor	9-G
SD1	Drum separation claw solenoid	5-H
SD2	Color Registration shutter solenoid	5-H
SD3	Gamma shutter solenoid	7-H
DRPS Y	Drum potential sensor /Y	3-I
DRPS M	Drum potential sensor /M	3-I
DRPS C	Drum potential sensor /C	4-I
DRPS K	Drum potential sensor /K	4-I
DRPSB Y	Drum potential sensor board /Y	3-H
DRPSB M	Drum potential sensor board /M	3-H
DRPSB C	Drum potential sensor board /C	4-H
DRPSB K	Drum potential sensor board /K	4-H
TDB	Temp detection board	8-A
PRCB	Printer control board	1-D
C (T)	Total counter	8-G
C (BK)	Black counter	8-G

5.4 CF5001 Overall Wiring Diagram (4/8)



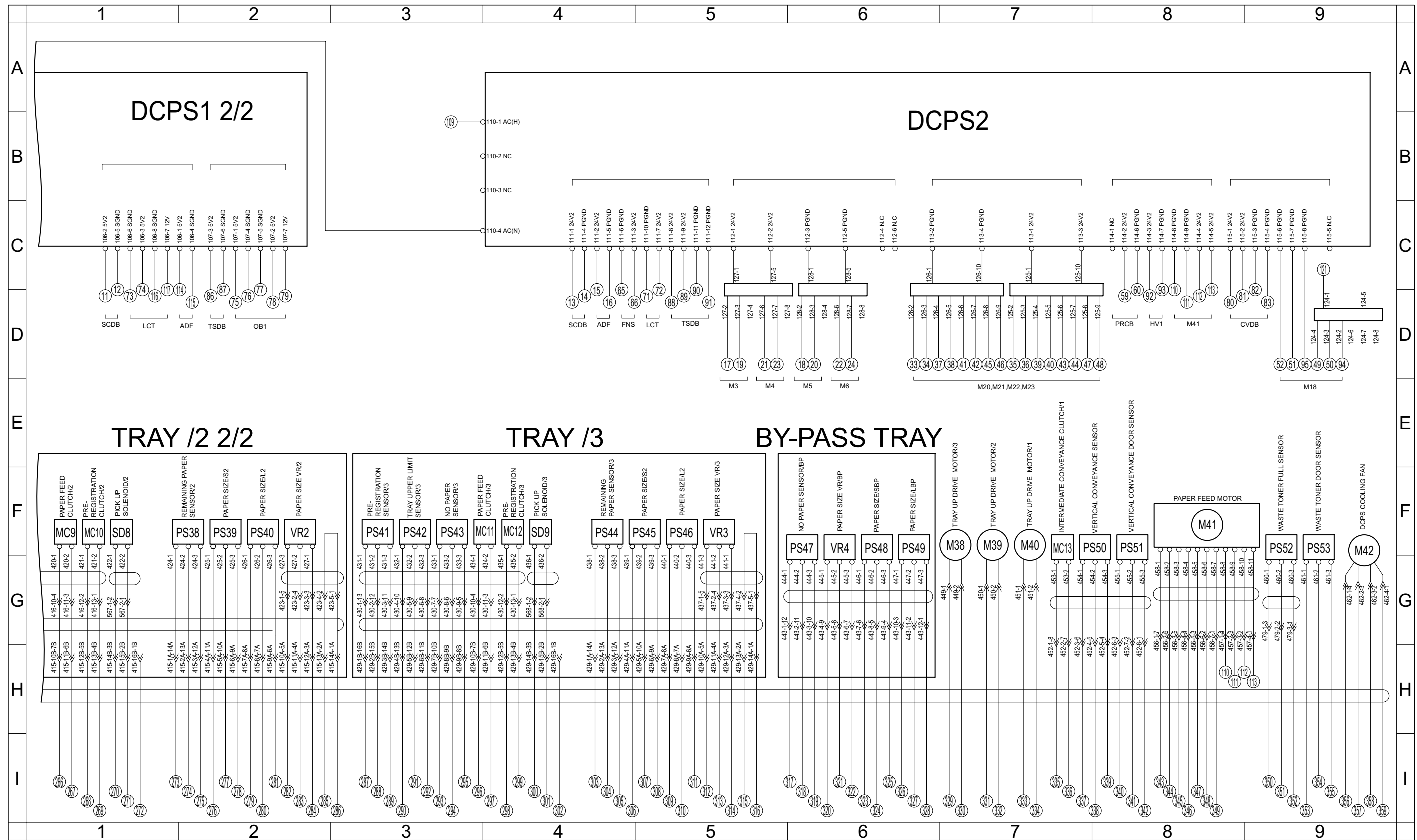
Symbol	Part name	Location
PS60	Encoder sensor /Y1	1-I
PS61	Encoder sensor /Y2	2-I
PS62	Encoder sensor /M1	2-I
PS63	Encoder sensor /M2	2-I
PS64	Encoder sensor /C1	3-I
PS65	Encoder sensor /C2	3-I
PS66	Encoder sensor /K1	4-I
PS67	Encoder sensor /K2	4-I
PS69	Encoder sensor /BELT1	4-G
PS68	Encoder sensor /BELT2	5-G
FN-120	FN-120 (option)	8-A
FN-7	FN-7 (option)	8-A
C-208	C-208 (option)	6-A
M14	Drum motor /Y	1-I
M15	Drum motor /M	2-I
M16	Drum motor /C	3-I
M17	Drum motor /K	4-I
M18	Transfer belt motor	5-G
M19	1st transfer pressure/release motor	6-G
M20	Developing motor /Y	7-G
M21	Developing motor /M	7-G
M22	Developing motor /C	8-G
M23	Developing motor /K	9-G
M24	IP cooling fan	7-A
M25	IPB cooling fan	8-A
PS15	1st transfer HP sensor	6-G
CV	Coin vendor (parallel)	4-A
CV	Coin vendor (serial)	5-A
DRDB /Y	Drum drive board /Y	1-G
DRDB /M	Drum drive board /M	2-G
DRDB /K	Drum drive board /C	3-G
DRDB /C	Drum drive board /K	4-G

5.5 CF5001 Overall Wiring Diagram (5/8)



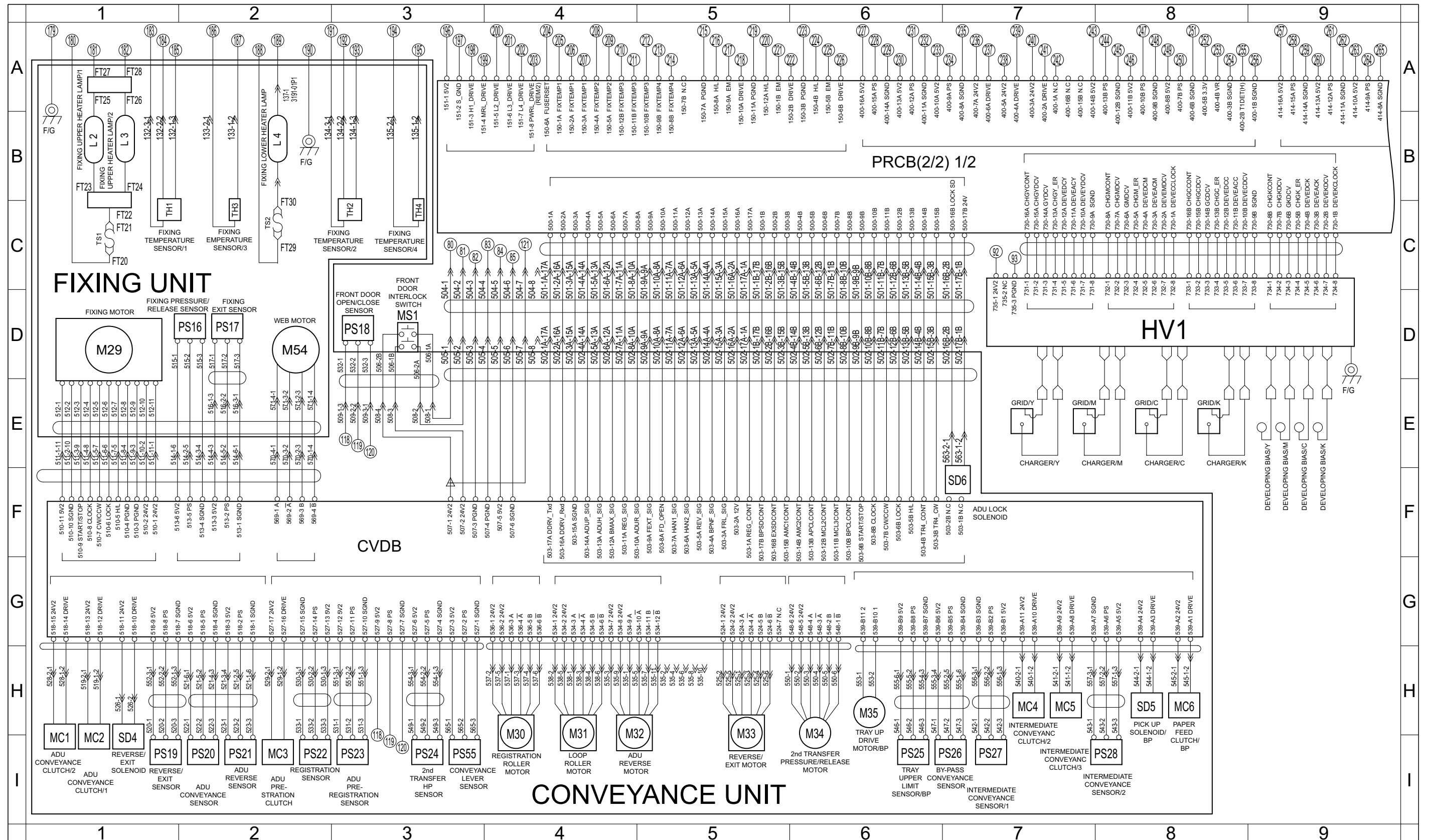
Symbol	Part name	Location
CBR1	Circuit breaker /1	1-A
CBR2	Circuit breaker /2	1-B
DCPS1	DC power supply unit /1	6-A
DCPS4	DC power supply unit /4 (HDD-7)	9-D
RL1	Main relay	4-D
RL2	DCPS2 relay	4-D
RL3	HTR relay	4-D
HTR1	Heater /1	6-E
HTR2	Heater /2	6-E
M26	Paper exit fan /R	5-F
M27	Paper exit fan /M	5-F
M28	Paper exit fan /F	6-F
MC7	Paper feed clutch /1	7-F
MC8	Pre-registration clutch /1	7-F
PS29	Pre-registration sensor /1	6-F
PS30	Tray upper limit sensor /1	6-F
PS31	No paper sensor /1	6-F
PS32	Remaining paper sensor /1	8-F
PS33	Paper size /S1	8-F
PS34	Paper size /L1	8-F
PS35	Pre-registration sensor /2	9-F
PS36	Tray upper limit sensor /2	9-F
PS37	No paper sensor /2	9-F
SD7	Pick up solenoid /1	7-F
SW1	Reset switch	3-A
TRNS1	Transformer/main body	5-C
TRNS2	Transformer/LCT	5-C
VR1	Paper size VR /1	8-F
NF	Noise filter	2-A
	Power plug	1-B
ACDB	AC drive board	1-D
FHCB	Fixing heater control board	2-F

5.6 CF5001 Overall Wiring Diagram (6/8)



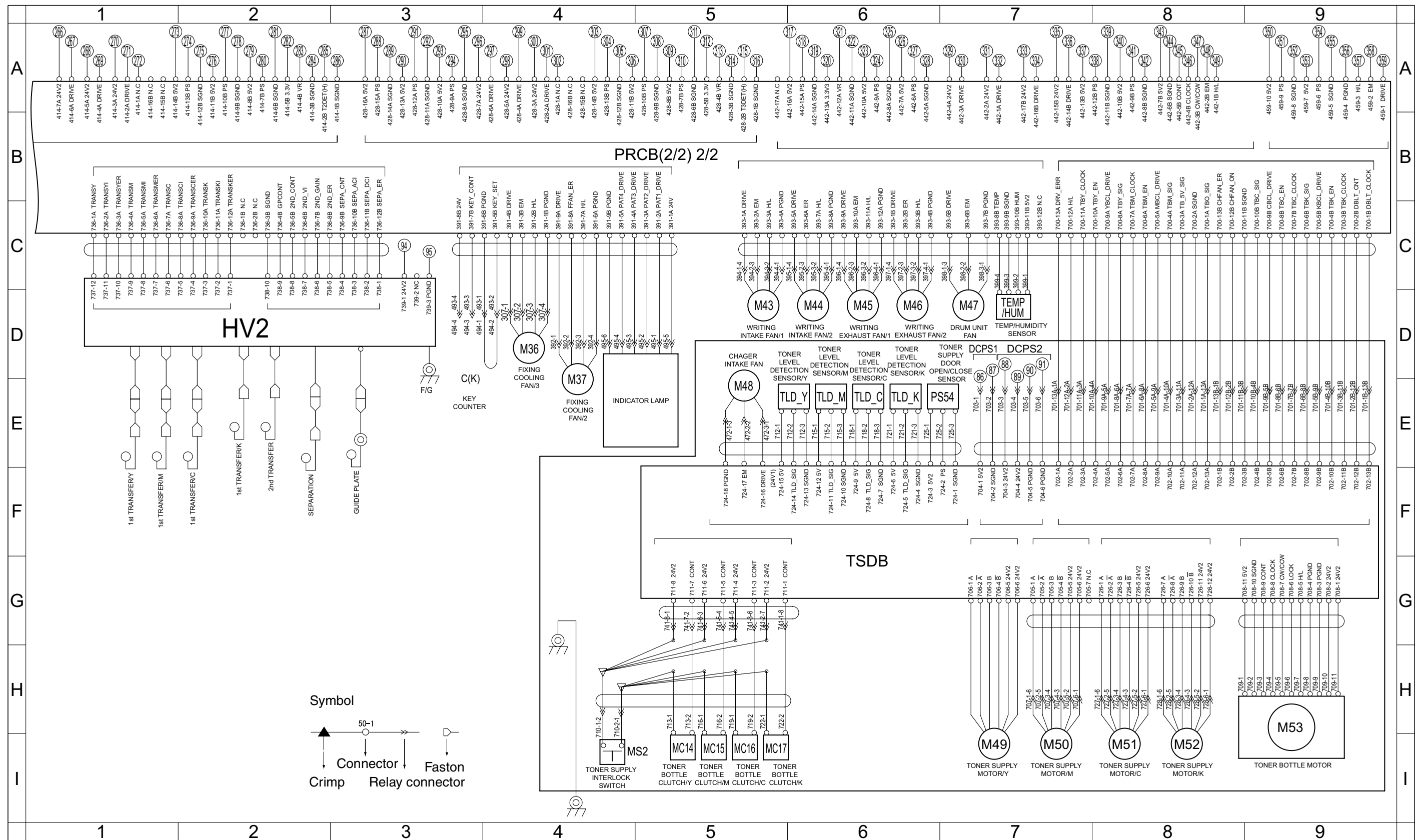
Symbol	Part name	Location
DCPS2	DC power supply unit /2	4-A
M38	Tray up drive motor /3	7-F
M39	Tray up drive motor /2	7-F
M40	Tray up drive motor /1	7-F
M41	Paper feed motor	8-F
M42	DCPS cooling fan	9-F
MC9	Paper feed clutch /2	1-F
MC10	Pre-registration clutch /2	1-F
MC11	Paper feed clutch /3	3-F
MC12	Pre-registration clutch /3	4-F
MC13	Intermediate conveyance clutch /1	7-F
PS38	Remaining paper sensor /2	2-F
PS39	Paper size /S2	2-F
PS40	Paper size /L2	2-F
PS41	Pre-registration sensor /3	3-F
PS42	Tray upper limit sensor /3	3-F
PS43	No paper sensor /3	3-F
PS44	Remaining paper sensor /3	4-F
PS45	Paper size /S2	5-F
PS46	Paper size /L2	5-F
PS47	No paper sensor /BP	6-F
PS48	Paper size /SBP	6-F
PS49	Paper size /LBP	6-F
PS50	Vertical conveyance sensor	7-F
PS51	Vertical conveyance door sensor	8-F
PS52	Waste toner full sensor	9-F
PS53	Waste toner door sensor	9-F
SD8	Pick up solenoid /2	1-F
SD9	Pick up solenoid /3	4-F
VR2	Paper size VR /2	2-F
VR3	Paper size VR /3	5-F
VR4	Paper size VR /BP	6-F

5.7 CF5001 Overall Wiring Diagram (7/8)



[illegible]

5.8 CF5001 Overall Wiring Diagram (8/8)



Symbol	Part name	Location
C(K)	Key counter	3-D
TEMP/HUM	Temp/Humidity sensor	7-D
HV2	High voltage unit /2	1-C
M36	Fixing cooling fan /3	4-D
M37	Fixing cooling fan /2	4-E
M43	Writing intake fan /1	5-D
M44	Writing intake fan /2	6-D
M45	Writing exhaust fan /1	6-D
M46	Writing exhaust fan /2	6-D
M47	Drum unit fan	7-D
M48	Chager intake fan	5-E
M49	Toner supply motor /Y	7-I
M50	Toner supply motor /M	7-I
M51	Toner supply motor /C	8-I
M52	Toner supply motor /K	8-I
M53	Toner bottle motor	9-H
MC14	Toner bottle clutch /Y	5-I
MC15	Toner bottle clutch /M	5-I
MC16	Toner bottle clutch /C	5-I
MC17	Toner bottle clutch /K	5-I
PS54	Toner supply door open/close sensor	6-E
TLD Y	Toner level detection sensor /Y	5-E
TLD M	Toner level detection sensor /M	6-E
TLD C	Toner level detection sensor /C	6-E
TLD K	Toner level detection sensor /K	6-E
MS2	Toner supply interlock switch	4-I
	Indicator lamp	4-D
	Guide plate	3-F
	Separation	2-F
	2nd transfer	2-E
	1st transfer /Y	1-F
	1st transfer /M	1-F
	1st transfer /C	2-F
	1st transfer /K	2-E
TSDB	Toner supply drive board	5-F