
第6章 配線図

この章では、InfoPrint 5579シリアル・プリンターにおける各機能別コネクタの接続図と、各コネクタのピン配列を表示している。なお、各図中のピン番号は、カード上、または取り付けブラケット等に固定されたコネクタを見たときの状態を示している。

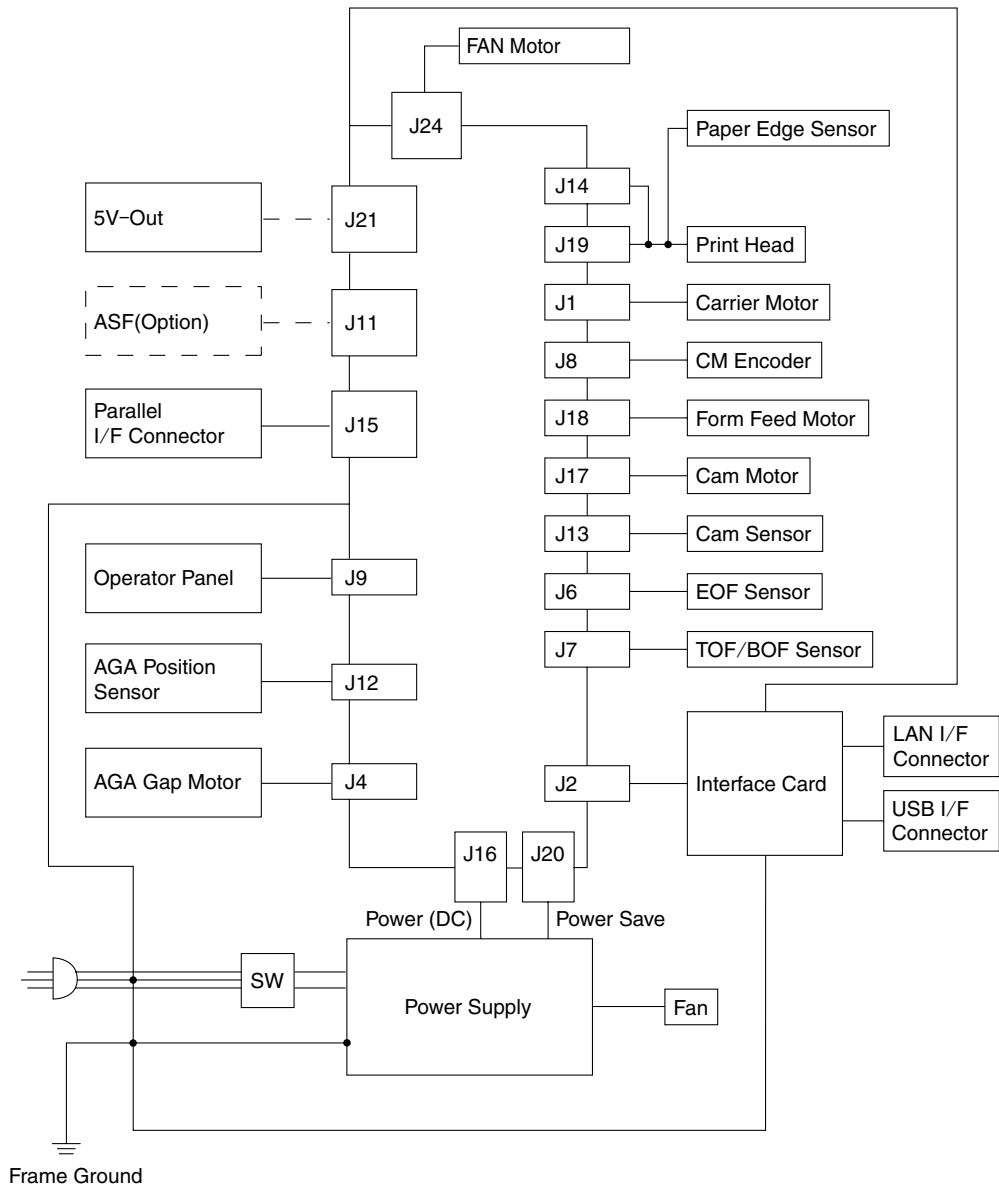


図6-1 InfoPrint 5579のBlock Diagram

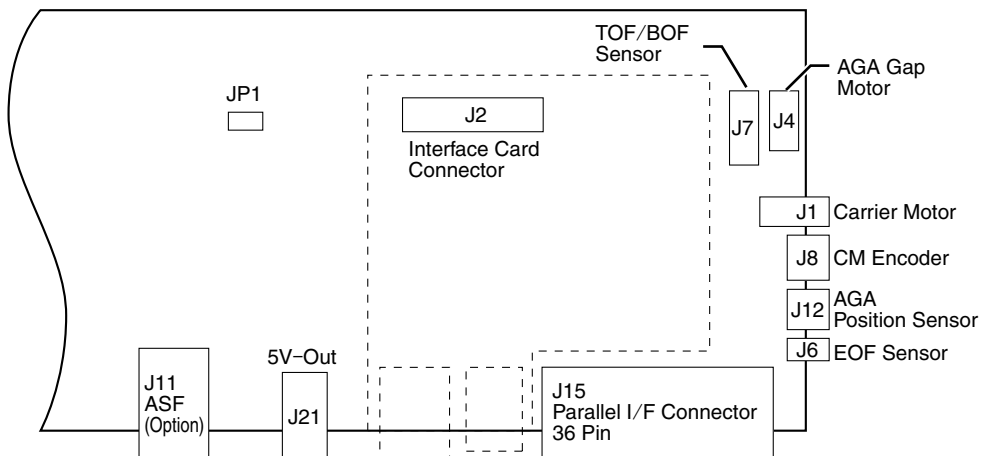
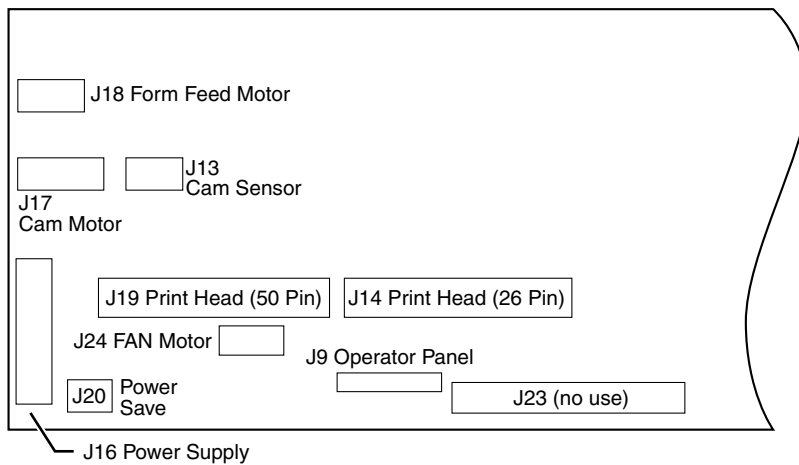
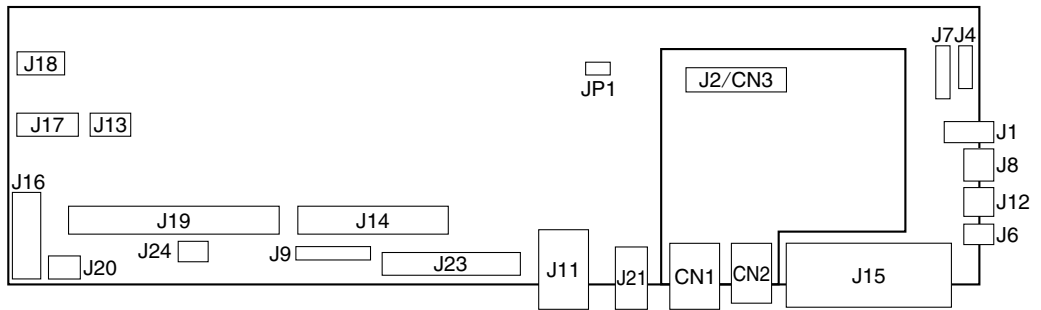


図6-2 Logic Card のコネクタ配置図

| ピン 番号 | 信号名 |
|----------|----------------|
| 1 | Carrier Motor+ |
| 2 | Carrier Motor- |

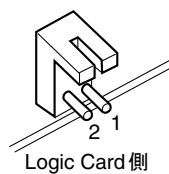


図6-3 コネクターJ1 (Carrier Motor)

| ピン 番号 | 信号名 |
|----------|----------------------|
| 1 | AGA Gap Motor +A相 |
| 2 | AGA Gap Motor -A相 |
| 3 | AGA Gap Motor +B相 |
| 4 | AGA Gap Motor -B相 |
| 5 | AGA Gap Motor Common |
| 6 | AGA Gap Motor Common |

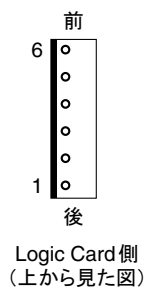
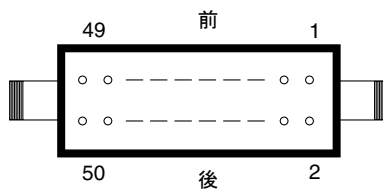


図6-4 コネクターJ4 (AGA Gap Motor)

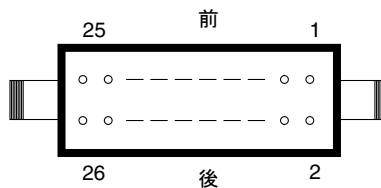
| ピン 番号 | 信号名 | ピン 番号 | 信号名 |
|----------|--------------------------|----------|--------------------------|
| 1 | Head Common (38, 42, 46) | 26 | Print Data 14 Magnet |
| 2 | Print Data 46 Magnet | 27 | Print Data 39 Magnet |
| 3 | Head Common (28, 32, 36) | 28 | Print Data 35 Magnet |
| 4 | (Blank) | 29 | Print Data 33 Magnet |
| 5 | Print Data 44 Magnet | 30 | Print Data 25 Magnet |
| 6 | Head Common (26, 30, 34) | 31 | Print Data 31 Magnet |
| 7 | Print Data 21 Magnet | 32 | Print Data 29 Magnet |
| 8 | (Blank) | 33 | Print Data 27 Magnet |
| 9 | Print Data 40 Magnet | 34 | Print Data 37 Magnet |
| 10 | Print Data 38 Magnet | 35 | Print Data 41 Magnet |
| 11 | Print Data 36 Magnet | 36 | Head Common (25, 29, 33) |
| 12 | Print Data 34 Magnet | 37 | Print Data 43 Magnet |
| 13 | Print Data 32 Magnet | 38 | Head Common (27, 31, 35) |
| 14 | Print Data 30 Magnet | 39 | Print Data 45 Magnet |
| 15 | (Blank) | 40 | Head Common (37, 41, 45) |
| 16 | Print Data 26 Magnet | 41 | Print Data 47 Magnet |
| 17 | Print Data 28 Magnet | 42 | Head Common (39, 43, 47) |
| 18 | (Blank) | 43 | Signal Ground |
| 19 | Print Data 2 Magnet | 44 | +HTDCT |
| 20 | Print Data 4 Magnet | 45 | Print Data 48 Magnet |
| 21 | Print Data 8 Magnet | 46 | Head Common (40, 44, 48) |
| 22 | Print Data 6 Magnet | 47 | +Photo |
| 23 | Print Data 12 Magnet | 48 | -Sense Paper Edge |
| 24 | Print Data 10 Magnet | 49 | Signal Ground |
| 25 | Print Data 16 Magnet | 50 | Frame Ground |



Logic Card側(上から見た図)

図6-5 コネクターJ19 (Print Head-50P)

| ピン 番号 | 信号名 |
|----------|--------------------------|
| 1 | Print Data 3 Magnet |
| 2 | Print Data 1 Magnet |
| 3 | Print Data 5 Magnet |
| 4 | Print Data 7 Magnet |
| 5 | Print Data 9 Magnet |
| 6 | Print Data 11 Magnet |
| 7 | Print Data 13 Magnet |
| 8 | Print Data 15 Magnet |
| 9 | Print Data 17 Magnet |
| 10 | Head Common (1, 5, 9) |
| 11 | Print Data 19 Magnet |
| 12 | Head Common (3, 7, 11) |
| 13 | Print Data 21 Magnet |
| 14 | Head Common (13, 17, 21) |
| 15 | Print Data 23 Magnet |
| 16 | Head Common (15, 19, 23) |
| 17 | (Blank) |
| 18 | (Blank) |
| 19 | Print Data 24 Magnet |
| 20 | Head Common (16, 20, 24) |
| 21 | Print Data 22 Magnet |
| 22 | Head Common (14, 18, 22) |
| 23 | Print Data 20 Magnet |
| 24 | Head Common (4, 8, 12) |
| 25 | Print Data 18 Magnet |
| 26 | Head Common (2, 6, 10) |



Logic Card 側(上から見た図)

図6-6 コネクターJ14(Print Head-26P)

| ピン番号 | 信号名 |
|------|------------------|
| 1 | +Sense Paper End |
| 2 | Signal Ground |
| 3 | Sensor Anode |

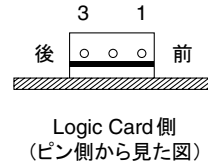


図6-7 コネクターJ6 (EOF Switch)

| ピン番号 | 信号名 |
|------|-------------------|
| 1 | TOF Sensor Anode |
| 2 | TOF Sensor Output |
| 3 | Signal Ground |
| 4 | +5V |
| 5 | BOF Sensor Anode |
| 6 | BOF Sensor Output |
| 7 | Signal Ground |

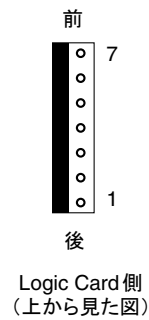


図6-8 コネクターJ7 (TOF/BOF Sensor)

| ピン番号 | 信号名 |
|------|---------------|
| 1 | +Encoder A |
| 2 | +Encoder B |
| 3 | +5V |
| 4 | Signal Ground |
| 5 | Signal Ground |

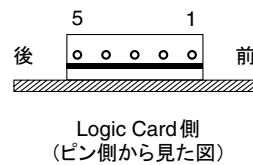
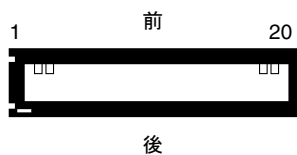


図6-9 コネクターJ8 (CM Encoder)

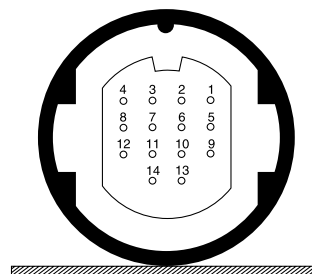
| ピン 番号 | 信号名 |
|----------|----------------------------|
| 1 | OP. +5V |
| 2 | OP. Panel Data 0 |
| 3 | OP. Panel Data 1 |
| 4 | Signal Ground |
| 5 | OP. Panel Data 2 |
| 6 | OP. Panel Data 3 |
| 7 | OP. Panel Data 4 |
| 8 | OP. Panel Data 5 |
| 9 | OP. +5V |
| 10 | OP. Panel Data 6 |
| 11 | OP. Panel Data 7 |
| 12 | Signal Ground |
| 13 | OP. Panel Chip Select RD 0 |
| 14 | OP. Panel Chip Select RD 1 |
| 15 | OP. Panel Chip Select RD 2 |
| 16 | OP. Panel Chip Select WR 0 |
| 17 | OP. +5V |
| 18 | OP. Panel Chip Select WR 1 |
| 19 | OP. Panel Chip Select WR 2 |
| 20 | Signal Ground |



Logic Card 側
(上から見た図)

図6-10 コネクター J9 (Operator Panel)

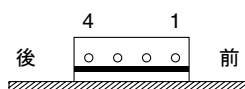
| ピン 番号 | 信号名 |
|----------|--------------------|
| 1 | +ASF Lift Motor A |
| 2 | +ASF Lift Motor B |
| 3 | -ASF Lift Motor On |
| 4 | -Lift Up |
| 5 | -ASF Connect |
| 6 | +ASF Auto (-DID) |
| 7 | +Motor Common |
| 8 | +Drive Ready |
| 9 | -Lift Low |
| 10 | +5V |
| 11 | Signal Ground |
| 12 | +40V |
| 13 | Machine 0V |
| 14 | -ASF Clutch On |



Logic Card側
(後から見た図)

図6-11 コネクターJ11 (ASF)

| ピン 番号 | 信号名 |
|----------|---------------------------|
| 1 | AGA Position Sensor Out |
| 2 | AGA Position Sensor Anode |
| 3 | Signal Ground |
| 4 | Signal Ground |



Logic Card側
(ピン側から見た図)

図6-12 コネクターJ12 (AGA Position Sensor)

| ピン 番号 | 信号名 |
|----------|------------------------------------|
| 1 | Cam Initial Position Sensor Output |
| 2 | Signal Ground |
| 3 | Cam Initial Position Sensor Anode |
| 4 | Signal Ground |

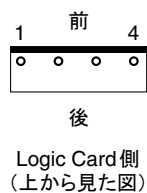


図6-13 コネクタ J13 (Cam Sensor)

| ピン 番号 | 信号名 |
|----------|-----------------------|
| 1 | +40V for Head Driver |
| 2 | +40V for Head Driver |
| 3 | +40V for Motor Driver |
| 4 | Return of 40V |
| 5 | Return of 40V |
| 6 | Return of 40V |
| 7 | Signal Ground |
| 8 | Signal Ground |
| 9 | +5V |
| 10 | +5V |

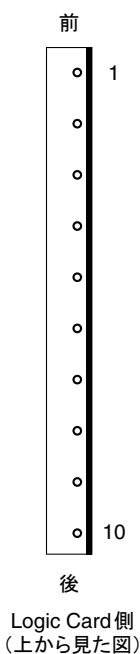


図6-14 コネクタ J16 (Power)

| ピン 番号 | 信号名 |
|----------|------------------|
| 1 | Cam Motor +A相 |
| 2 | Cam Motor -A相 |
| 3 | Cam Motor +B相 |
| 4 | Cam Motor -B相 |
| 5 | Cam Motor Common |
| 6 | Cam Motor Common |
| 7 | (Blank) |

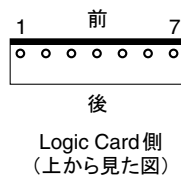


図6-15 コネクタ J17 (Cam Motor)

| ピン 番号 | 信号名 |
|----------|------------------------|
| 1 | Form Feed Motor +A相 |
| 2 | Form Feed Motor -A相 |
| 3 | Form Feed Motor +B相 |
| 4 | Form Feed Motor -B相 |
| 5 | Form Feed Motor Common |
| 6 | Form Feed Motor Common |

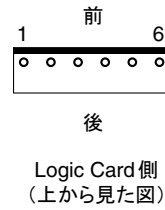


図6-16 コネクタ J18 (Form Feed Motor)

| ピン 番号 | 信号名 |
|----------|---------------------------------|
| 1 | - Power Save |
| 2 | Signal Ground |
| 3 | - Power Width Low Power Mode |

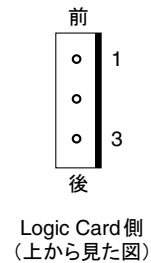


図6-17 コネクタ J20 (Power Save)

| ピン 番号 | 信号名 |
|----------|-------------|
| 1 | FAN Motor + |
| 2 | FAN Motor - |

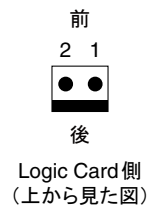


図6-18 コネクタ J24 (FAN Motor)

| ピン番号 | 信号名 |
|------|------------------------|
| 1 | Print Data 1 Magnet |
| 2 | Print Data 3 Magnet |
| 3 | Print Data 7 Magnet |
| 4 | Print Data 5 Magnet |
| 5 | Print Data 11 Magnet |
| 6 | Print Data 9 Magnet |
| 7 | Print Data 15 Magnet |
| 8 | Print Data 13 Magnet |
| 9 | Head Common (1,5,9) |
| 10 | Print Data 17 Magnet |
| 11 | Head Common (3,7,11) |
| 12 | Print Data 19 Magnet |
| 13 | Head Common (13,17,21) |
| 14 | Print Data 21 Magnet |
| 15 | Head Common (15,19,13) |
| 16 | Print Data 23 Magnet |
| 17 | (Blank) |

| ピン番号 | 信号名 |
|------|------------------------|
| 18 | (Blank) |
| 19 | Head Common (16,20,24) |
| 20 | Print Data 24 Magnet |
| 21 | Head Common (14,18,22) |
| 22 | Print Data 22 Magnet |
| 23 | Head Common (4,8,12) |
| 24 | Print Data 20 Magnet |
| 25 | Head Common (2,6,10) |
| 26 | Print Data 18 Magnet |
| 27 | Print Data 16 Magnet |
| 28 | Print Data 14 Magnet |
| 29 | Print Data 12 Magnet |
| 30 | Print Data 10 Magnet |
| 31 | Print Data 8 Magnet |
| 32 | Print Data 6 Magnet |
| 33 | Print Data 2 Magnet |
| 34 | Print Data 4 Magnet |

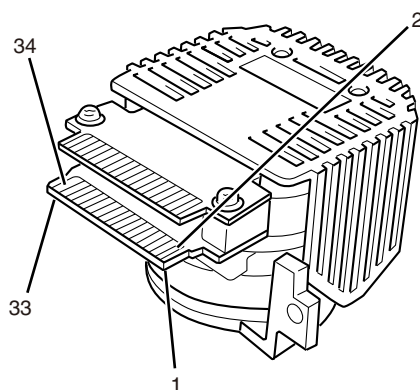


図6-19 コネクターJ25 (Print Head前)

| ピン 番号 | 信号名 |
|----------|------------------------|
| 1 | Print Data 25 Magnet |
| 2 | Print Data 27 Magnet |
| 3 | Print Data 31 Magnet |
| 4 | Print Data 29 Magnet |
| 5 | Print Data 35 Magnet |
| 6 | Print Data 33 Magnet |
| 7 | Print Data 39 Magnet |
| 8 | Print Data 37 Magnet |
| 9 | Head Common (25,29,33) |
| 10 | Print Data 41 Magnet |
| 11 | Head Common (27,31,35) |
| 12 | Print Data 43 Magnet |
| 13 | Head Common (37,41,45) |
| 14 | Print Data 45 Magnet |
| 15 | Head Common (39,43,47) |
| 16 | Print Data 47 Magnet |
| 17 | +HTDCT |

| ピン 番号 | 信号名 |
|----------|--------------------------|
| 18 | Signal Ground |
| 19 | Head Common (40, 44, 48) |
| 20 | Print Data 48 Magnet |
| 21 | Head Common (38,42,46) |
| 22 | Print Data 46 Magnet |
| 23 | Head Common (28,32,36) |
| 24 | Print Data 44 Magnet |
| 25 | Head Common (26,30,34) |
| 26 | Print Data 42 Magnet |
| 27 | Print Data 40 Magnet |
| 28 | Print Data 38 Magnet |
| 29 | Print Data 36 Magnet |
| 30 | Print Data 34 Magnet |
| 31 | Print Data 32 Magnet |
| 32 | Print Data 30 Magnet |
| 33 | Print Data 26 Magnet |
| 34 | Print Data 28 Magnet |

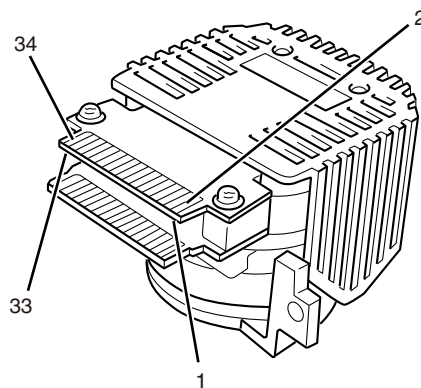


図6-20 コネクター J25 (Print Head後)

| ピン 番号 | 信号名 |
|----------|----------------------------|
| 1 | Paper Edge Sensor Anode |
| 2 | — Paper Edge Sensor Output |
| 3 | Signal Ground |



図6-21 コネクター J26(Paper Edge Sensor)

Interface Cardのコネクターの配置図と、コネクターのピン配列を以下に示す。
なお、図中のピン番号配置図は、カード上面から見たコネクターの状態を表している。

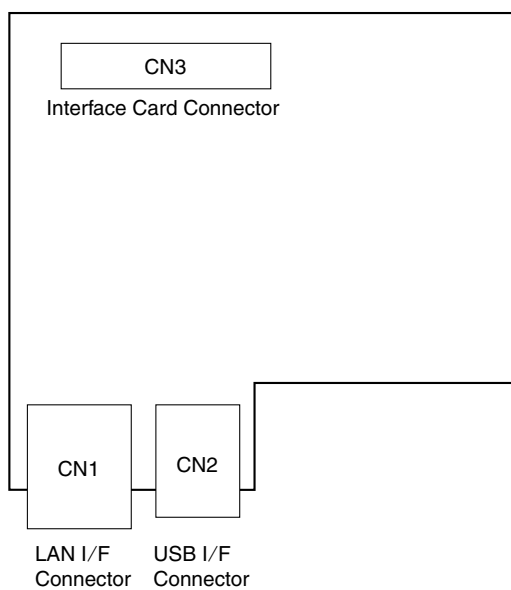
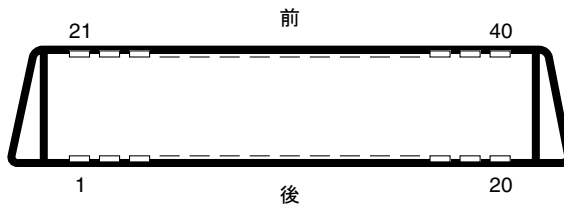


図6-22 I/F Cardのコネクタ配置図

| ピン番号 | 信号名 |
|------|----------------|
| 1 | (Blank) |
| 2 | −Strobe |
| 3 | Data 0 |
| 4 | Data 1 |
| 5 | Data 2 |
| 6 | Data 3 |
| 7 | Data 4 |
| 8 | Data 5 |
| 9 | Data 6 |
| 10 | Data 7 |
| 11 | −Ack |
| 12 | +Busy |
| 13 | +PErrror |
| 14 | +Select |
| 15 | −AutoFD |
| 16 | (Blank) |
| 17 | −Connect Ready |
| 18 | (Blank) |
| 19 | −OP Reset |
| 20 | −OP Test |

| ピン番号 | 信号名 |
|------|---------------|
| 21 | +5V |
| 22 | Signal Ground |
| 23 | Signal Ground |
| 24 | Signal Ground |
| 25 | Signal Ground |
| 26 | Signal Ground |
| 27 | Signal Ground |
| 28 | Signal Ground |
| 29 | Signal Ground |
| 30 | Signal Ground |
| 31 | Signal Ground |
| 32 | Signal Ground |
| 33 | (Blank) |
| 34 | −Init |
| 35 | −Fault |
| 36 | −OP LED 2 |
| 37 | +5V |
| 38 | −OP LED 1 |
| 39 | −SelectIn |
| 40 | +5V |



Logic Card側(上から見た図)

図6-23 コネクターCN3/J2 (Interface Card)

ASF Cardのコネクタの接続図と、各コネクタのピン配列を以下に示す。
なお、各図中のピン番号配置図は、カード上面から見たコネクタの状態を表している。

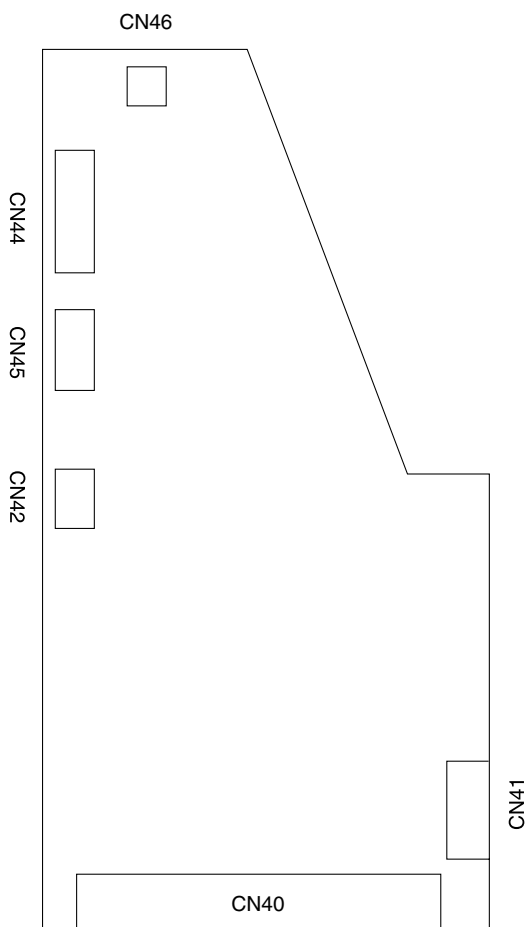


図6-24 ASF Cardのコネクタ配置図

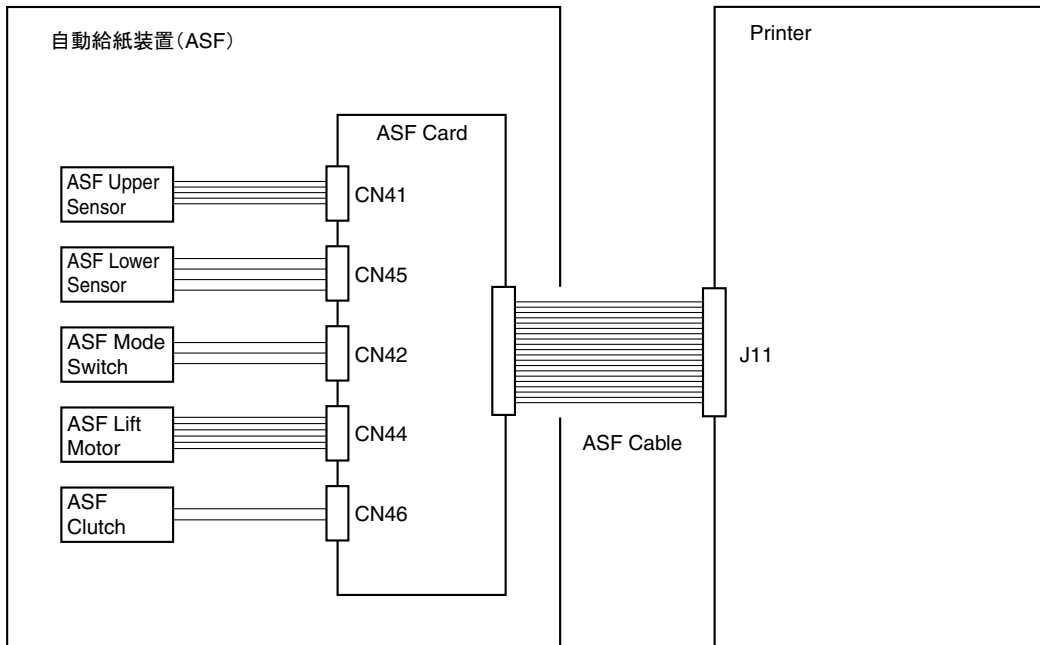


図6-25 ASFのWiring Diagram

| ピン 番号 | 信号名 |
|----------|-------------------|
| 1 | +ASF Lift Motor A |
| 2 | +ASF Lift Motor B |
| 3 | -ASF Motor On |
| 4 | -Lift Up |
| 5 | -ASF Connect |
| 6 | +ASF Auto(-DID) |
| 7 | +Motor Common |
| 8 | +Drive Ready |
| 9 | -Lift Low |
| 10 | +5V |
| 11 | +5V |
| 12 | Signal Ground |
| 13 | Signal Ground |
| 14 | +40V |
| 15 | +40V |
| 16 | +40V |
| 17 | Machine 0V |
| 18 | Machine 0V |
| 19 | Machine 0V |
| 20 | -ASF Clutch On |

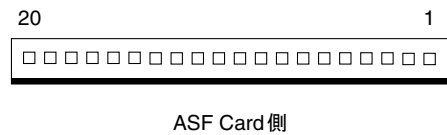


図6-26 コネクタ CN40(ASF Card)

| ピン 番号 | 信号名 |
|----------|---------------|
| 1 | +Lift Up |
| 2 | Signal Ground |
| 3 | Sensor Anode |
| 4 | Signal Ground |
| 5 | Signal Ground |

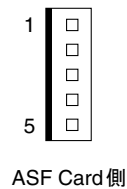



図6-27 コネクタ CN41(Upper Sensor)

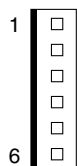
| ピン 番号 | 信号名 |
|----------|------------------|
| 1 | +ASF Auto (-DID) |
| 2 | Signal Ground |
| 3 | +5V |



ASF Card側

図6-28 コネクタ CN42 (Mode Switch)


| ピン 番号 | 信号名 |
|----------|-------------------|
| 1 | Lift Motor +A相 |
| 2 | Lift Motor -A相 |
| 3 | Lift Motor +B相 |
| 4 | Lift Motor -B相 |
| 5 | Lift Motor Common |
| 6 | Lift Motor Common |



ASF Card側

図6-29 コネクタ CN44 (Lift Motor)


| ピン 番号 | 信号名 |
|----------|---------------|
| 1 | -Lift Low |
| 2 | Signal Ground |
| 3 | +5V |
| 4 | (Blank) |



ASF Card側

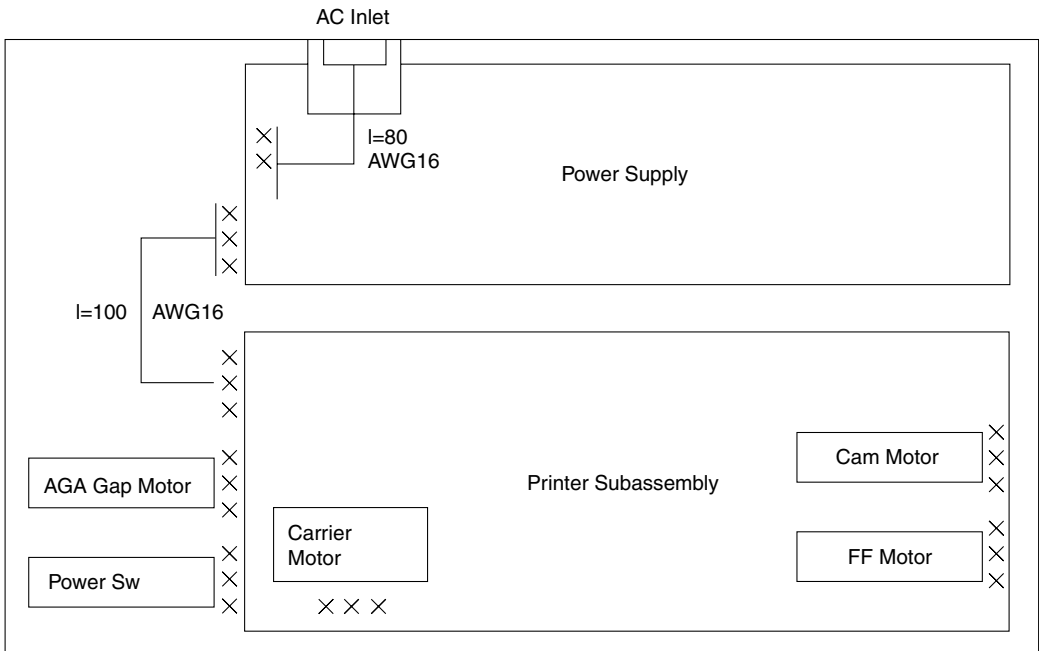
図6-30 コネクタ CN45 (Lower Sensor)

| ピン 番号 | 信号名 |
|----------|--------------|
| 1 | Clutch Drive |
| 2 | Machine 0V |



ASF Card側

図6-31 コネクタ CN46 (ASF Clutch)



注：

1. × × × : Screw & Washer
2. × × : Screw & Star Washer

図6-32 InfoPrint 5579のAC Grounding Diagram

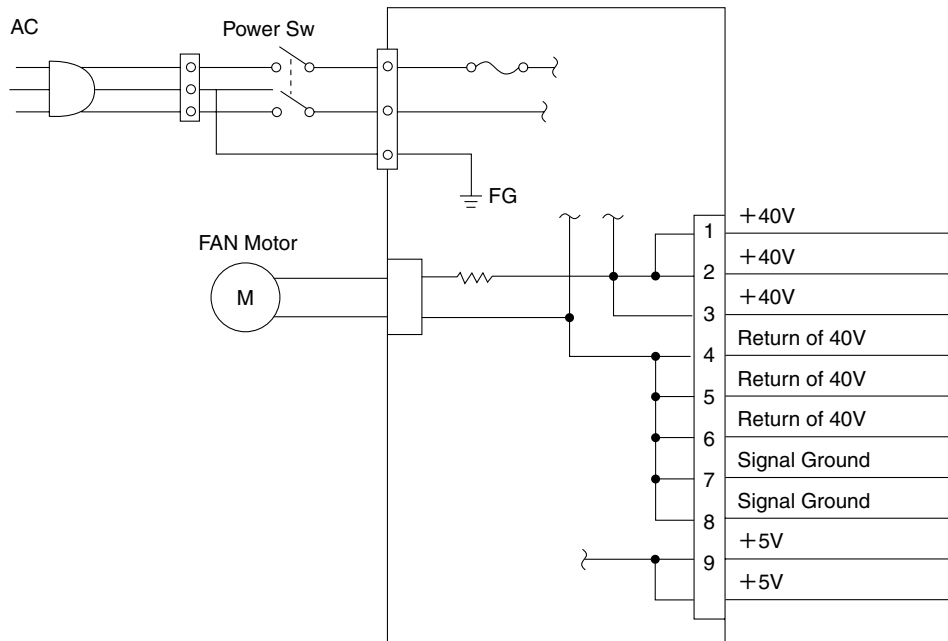


図6-33 Power Supply Wiring Diagram

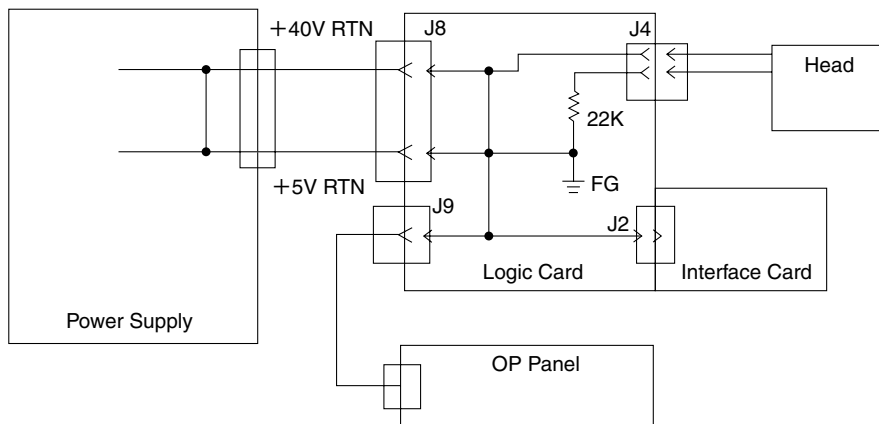


図6-34 DC Grounding Diagram