

CN1			CN3	
FI-S20S			DF13-40DS-1.25C	
Pin#	Symbol		Pin#	Symbol
1	VCC		33	3.3V
2	VCC		31	3.3V
3	GND		29	GND
4	GND		23	GND
5	Link 0-	ツイストペア	21	LVDS_0_N
6	Link 0+		19	LVDS_0_P
7	GND		17	GND
8	Link 1-	Twisted pair	15	LVDS_1_N
9	Link 1+		13	LVDS_1_P
10	GND		11	GND
11	Link 2-	Twisted pair	9	LVDS_2_N
12	Link 2+		7	LVDS_2_P
13	GND		8	GND
14	CLKIN-	Twisted pair	27	LVDS_CLK_N
15	CLKIN+		25	LVDS_CLK_P
16	GND		5	GND
17	Link3-	Twisted pair	3	LVDS_3_N
18	Link3+		1	LVDS_3_P
19	MODE		32	3.3V
20	SC	NC	NC	

CN4				
FI-S20S				
Pin#	Symbol		Pin#	Symbol
1	VCC		33	3.3V
2	VCC		31	3.3V
3	GND		29	GND
4	GND		23	GND
5	Link 0-	Twisted pair	10	LVDS_0_N
6	Link 0+		12	LVDS_0_P
7	GND		17	GND
8	Link 1-	Twisted pair	16	LVDS_1_N
9	Link 1+		18	LVDS_1_P
10	GND		11	GND
11	Link 2-	Twisted pair	22	LVDS_2_N
12	Link 2+		24	LVDS_2_P
13	GND		8	GND
14	CLKIN-	Twisted pair	4	LVDS_CLK_N
15	CLKIN+		6	LVDS_CLK_P
16	GND		5	GND
17	Link3-	Twisted pair	28	LVDS_3_N
18	Link3+		30	LVDS_3_P
19	MODE		32	3.3V
20	SC	NC	NC	

CN2				
FI-S6S				
Pin#	Symbol		Pin#	Symbol
1	V L		39	12V
2	V L		40	12V
3	GNDL		26	GND
4	GNDL		20	GND
5	BLEN		37	PWM_BLK_ON
6	VPDIM		35	PMW_BLK1

CN5				
FI-S6S				
Pin#	Symbol		Pin#	Symbol
1	V L		39	12V
2	V L		40	12V
3	GNDL		26	GND
4	GNDL		20	GND
5	BLEN		37	PWM_BLK_ON
6	VPDIM		35	PMW_BLK1

Parts list		
Ref	Maker	Maker parts name
CN1	JAE	FI-S20S
CN4	JAE	FI-S20S
CN2	JAE	FI-S6S
CN5	JAE	FI-S6S
CN3	Hirose	DF13-40DS-1.25C

Pinout		
CN1	FI-S20S	DF13-40DS-1.25C
	1	*33
	2	*31
	3	**29
	4	**23
	5	21
	6	19
	7	**17
	8	15
	9	13
	10	**11
	11	9
	12	7
	13	**8
	14	27
	15	25
	16	**5
	17	3
	18	
	19	*32
	20	NC

CN2	FI-S6S	DF13-40DS-1.25C
	1	39
	2	40
	3	**26
	4	**20
	5	37
	6	35

CN5	FI-S6S	DF13-40DS-1.25C
	1	39
	2	40
	3	**26
	4	**20
	5	37
	6	35

Pinout	
Cable length	300mm (Without conn.)
Connector	AWG#28
Plating	Gold Plating
注釈/注意書き	

For the cables CN1-CN3 & CN4-CN3, every LVDS connection needs a twisted pair. Also the cable should be shielded.

\*: Can be used with any VCC Pin

\*\* : Can be used with any GND Pin

3.3V
3.3V
GND
GND
A_LVDS_0_N
A_LVDS_0_P
GND
A_LVDS_1_N
A_LVDS_1_P
GND
A_LVDS_2_N
A_LVDS_2_P
GND
A_LVDS_CLK_N
A_LVDS_CLK_P
GND
A_LVDS_3_N
A_LVDS_3_P
3.3V
NC

12V
12V
GND
GND
PWM_BLK_ON
PWM_BLK1

12V
12V
GND
GND
PWM_BLK_ON
PWM_BLK1

Pinout		
CN4	FI-S20S	DF13-40DS-1.25C
	1	*33
	2	*31
	3	**29
	4	**23
	5	10
	6	12
	7	**17
	8	16
	9	18
	10	**11
	11	22
	12	24
	13	**8
	14	4
	15	6
	16	**5
	17	28
	18	30
	19	*32
	20	NC

3.3V
3.3V
GND
GND
B_LVDS_0_N
B_LVDS_0_P
GND
B_LVDS_1_N
B_LVDS_1_P
GND
B_LVDS_2_N
B_LVDS_2_P
GND
B_LVDS_CLK_N
B_LVDS_CLK_P
GND
B_LVDS_3_N
B_LVDS_3_P
3.3V
NC