

Cable Specification

B.MKAB.62

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**Elektronik
Systeme**

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History

Date	V	Platform	A,M,R	Chapter	Description	Au
31.01.2024	1.0		M	All	New document	MW
20.06.2024	1.1		M	1	Add GND Pin 7, cross GND Pin 7 and 17	SM

V Version
A,M,R Added, Modified, Removed
Au Author

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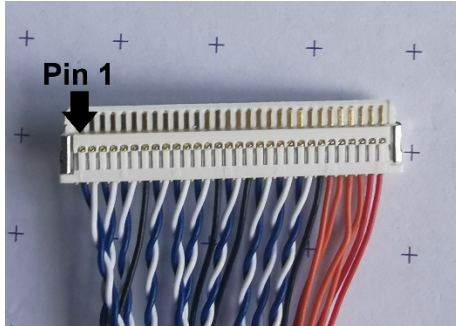
1 Connection Table

Signal	Color	Connector 1	Cable 500mm	Connector 2
A_DATA0_N	Blue	1	Twisted pair	12
A_DATA0_P	White	2		13
A_DATA1_N	Blue	3	Twisted pair	15
A_DATA1_P	White	4		16
A_DATA2_N	Blue	5	Twisted pair	18
A_DATA2_P	White	6		19
GND	Black	7		17
A_CLK_N	Blue	8	Twisted pair	20
A_CLK_P	White	9		21
A_DATA3_N	Blue	10	Twisted pair	22
A_DATA3_P	White	11		23
GND	Black	14		14
GND	Black	17		7
GND	Black	24		24
SDA	Orange	25		25
IRQ	Orange	26		26
SCL	Orange	27		27
RST	Orange	28		28
VLCD	Red	29		29
VLCD	Red	30		30

2 Connector 1

2.1 Connector Type:

JAE Electronics FI-X30H



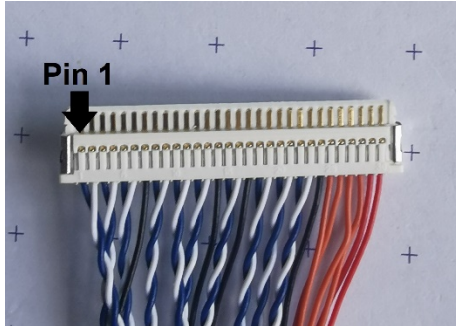
2.2 Connection:

Signal	Pin Number
A_DATA0_N	1
A_DATA0_P	2
A_DATA1_N	3
A_DATA1_P	4
A_DATA2_N	5
A_DATA2_P	6
GND	7
A_CLK_N	8
A_CLK_P	9
A_DATA3_N	10
A_DATA3_P	11
n.c.(not connected)	12
n.c.	13
GND	14
n.c.	15
n.c.	16
GND	17
n.c.	18
n.c.	19
n.c.	20
n.c.	21
n.c.	22
n.c.	23
GND	24
SDA	25
IRQ	26
SCL	27
RST	28
VLCD	29
VLCD	30

3 Connector 2

3.1 Connector Type:

JAE Electronics FI-X30H



3.2 Connection:

Signal	Pin Number
<i>n.c.</i>	1
<i>n.c.</i>	2
<i>n.c.</i>	3
<i>n.c.</i>	4
<i>n.c.</i>	5
<i>n.c.</i>	6
<i>GND</i>	7
<i>n.c.</i>	8
<i>n.c.</i>	9
<i>n.c.</i>	10
<i>n.c.</i>	11
<i>A_DATA0_N</i>	12
<i>A_DATA0_P</i>	13
<i>GND</i>	14
<i>A_DATA1_N</i>	15
<i>A_DATA1_P</i>	16
<i>GND</i>	17
<i>A_DATA2_N</i>	18
<i>A_DATA2_P</i>	19
<i>A_CLK_N</i>	20
<i>A_CLK_P</i>	21
<i>A_DATA3_N</i>	22
<i>A_DATA3_P</i>	23
<i>GND</i>	24
<i>SDA</i>	25
<i>IRQ</i>	26
<i>SCL</i>	27
<i>RST</i>	28
<i>VLCD</i>	29
<i>VLCD</i>	30

4 Cable:

4.1 Length:

500mm
±10mm

4.2 Color:

See Chapter 1: Connection Table.

4.3 Twisted Pairs:

Twist the following Pairs:

Connector 1 Pins:

1 & 2;
3 & 4;
5 & 6;
8 & 9;
10 & 11

4.4 Cable Information's:

Style: UL1571
Size: AWG28
Voltage Rating: 30V
Temperature Rating: -30°C ... +80°C

5 Compliance

The following compliance are needed and need to be confirmed by supplier:

- RoHSII directive 201/65/EU and its extension 2015/863/EU