

Pin assignment list

To use with all F&S starter kits

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1 Overview

This documentation describes the connection of different displays to the F&S starter kits. With this information, it will be easy to design a cable to connect your display with the F&S starter kit.

1.1 Display Interface

All F&S boards offer a very flexible and powerful interface to control displays (STN, CSTN, TFT). Many different displays can be connected directly to them without the need of any further hardware, only connector and cable are necessary. Even the contrast voltage for STN/ CSTN displays is offered from most of the F&S boards.

It is possible to adjust the starter kit to a new display by setting a few parameters, for example by downloading a small configuration text file (called display driver). On WindowsCE this is done by setting some keys in the registry. On Embedded Linux, this is done by setting environment variables in the boot monitor program. This is explained in separate documents. From the view of the software (display driver), there are different possibilities.

Some display types are already predefined, so that a simple choice from a list is all that is required.

Many display drivers available, user can download from F&S homepage.

This configurable display drivers can be modified from the user also. This is explained in separate documents.

New display drivers can be requested from F&S, please send your display specification (pdf file) to support@fs-net.de

Important:

Before any LCD display is connected to the starter kit, make sure that the board hardware is configured correctly (**please have a look in the hardware documentation of your board/ starter kit**):

NetDCU8:

Display supply 3.3V	R14
Display supply 5V	R13

TFT displays	R16
STN/CSTN displays	R15

↳ See NetDCU8 hardware documentation.

NetDCU10

Display supply 3.3V	JP2 (default)
Display supply 5V	JP1

The display type (TFT/STN/CSTN) is configured by software.

↳ See NetDCU10 hardware documentation.

PicoMOD1

The configuration is done by DIP switches S4 on the starter-kit board

Display supply 3.3V	S4/1 off, S4/2 on
Display supply 5V	S4/1 on, S4/2 off

TFT displays	S4/3 on, S4/4 off
Color STN	S4/3 off, S4/4 on
Monochrome STN	S4/3 on, S4/4 on

↳ See PicoMOD1 starter-kit hardware documentation.

PicoCOM2

The configuration is done by:

Display supply 3.3V JP4 (default)

Display supply 5V JP3

The display type (TFT/STN/CSTN) is configured by software.

🔗 See also PicoCOM2 starter-kit hardware documentation

1.2 PicoMOD1 pin assignment list (TFT)

TFT			
Pin (80 Pin, J1)	Signal	Pin (34 Pin, SKIT-Display)	Signal
1	TX-		
2	RX-		
3	TX+		
4	RX+		
5	V33		
6	V33		
7	GND		
8	GND		
9	VBAT		
10	/PONRES		
11	IO0		
12	IO1		
13	IO2		
14	IO3		
15	IO4		
16	IO5		
17	IO6		
18	IO7		
19	DN0		
20	DN1		
21	DP0		
22	DP1		
23	IO8		
24	IO9		

TFT			
Pin (80 Pin, J1)	Signal	Pin (34 Pin, SKIT-Display)	Signal
25	IO10		
26	IO11		
27	IO12		
28	TCK		
29	TDI		
30	TDO		
31	TMS		
32	/TRST		
33	GND		
34	GND		
35	IO13		
36	IO14		
37	IO15		
38	IO16		
39	IO17		
40	IO18		
41	IO19		
42	IO20		
43	IO21		
44	IO22		
45	IO23		
46	IO24		
47	IO25		
48	IO26		
49	IO27		

TFT			
Pin (80 Pin, J1)	Signal	Pin (34 Pin, SKIT-Display)	Signal
50	IO28		
51	IO29	25	VDD *
52	IO30		
53	IO31		
54	GND		
55	GND	24	GND
56	VIO0	14	G0
57	VIO1	13	G1
58	VIO2	12	B0
59	VIO3	11	B1
60	VIO4	10	B2
61	VIO5	3	B3
62	VIO6	16	B4
63	VIO7	15	B5
64	VIO8	7	G2
65	VIO9	6	G3
66	VIO10	5	G4
67	VIO11	4	G5
68	VIO12	3	R0
69	VIO13	2	R1
70	VIO14	31	R2
71	VIO15	32	R3
72	VIO16	33	R4
73	VIO17	34	R5
74	VIO18	22	LIP (HSYNC)

TFT			
Pin (80 Pin, J1)	Signal	Pin (34 Pin, SKIT-Display)	Signal
75	VIO19	20	FRP (VSYNC)
76	VIO20	21	M (DE)
77	GND	24	GND
78	GND	24	GND
79	VIO21	19	CLP (DCLK)
80	GND	28	GND

* additional switch requested,
see PicoMOD1-Startinterf_Schaltung.pdf (LCD-POWER)

1.3 PicoMOD1 pin assignment list (STN)

STN 4 Bit			
Pin (80 Pin, J1)	Signal	Pin (34 Pin, SKIT- Display)	Signal
1	TX-		
2	RX-		
3	TX+		
4	RX+		
5	V33		
6	V33		
7	GND		
8	GND		
9	VBAT		
10	/PONRES		
11	IO0		
12	IO1		
13	IO2		
14	IO3		
15	IO4		
16	IO5		
17	IO6		
18	IO7		
19	DN0		
20	DN1		
21	DP0		
22	DP1		
23	IO8		

STN 4 Bit			
Pin (80 Pin, J1)	Signal	Pin (34 Pin, SKIT- Display)	Signal
24	IO9		
25	IO10		
26	IO11		
27	IO12		
28	TCK		
29	TDI		
30	TDO		
31	TMS		
32	/TRST		
33	GND		
34	GND		
35	IO13		
36	IO14		
37	IO15		
38	IO16		
39	IO17		
40	IO18		
41	IO19		
42	IO20		
43	IO21		
44	IO22		
45	IO23		
46	IO24		
47	IO25		
48	IO26		

STN 4 Bit			
Pin (80 Pin, J1)	Signal	Pin (34 Pin, SKIT- Display)	Signal
49	IO27		
50	IO28	23	DISPOFF
51	IO29	25	VDD *
52	IO30		
53	IO31		
54	GND		
55	GND	24	GND
56	VIO0	14	D0
57	VIO1	13	D1
58	VIO2	12	D2
59	VIO3	11	D3
60	VIO4		
61	VIO5		
62	VIO6		
63	VIO7		
64	VIO8		
65	VIO9		
66	VIO10		
67	VIO11		
68	VIO12		
69	VIO13		
70	VIO14		
71	VIO15		
72	VIO16		

STN 4 Bit			
Pin (80 Pin, J1)	Signal	Pin (34 Pin, SKIT- Display)	Signal
73	VIO17		
74	VIO18	22	CL1
75	VIO19	20	FLM
76	VIO20	21	M
77	GND	24	GND
78	GND	24	GND
79	VIO21	19	CL2
80	GND	28	GND

* additional switch requested,
see PicoMOD1-Startinterf_Schaltung.pdf (LCD-POWER)

1.4 PicoMOD1 pin assignment list (CSTN)

CSTN 8 Bit			
Pin (80 Pin, J1)	Signal	Pin (34 Pin, SKIT-Display)	Signal
1	TX-		
2	RX-		
3	TX+		
4	RX+		
5	V33		
6	V33		
7	GND		
8	GND		
9	VBAT		
10	/PONRES		
11	IO0		
12	IO1		
13	IO2		
14	IO3		
15	IO4		
16	IO5		
17	IO6		
18	IO7		
19	DN0		
20	DN1		
21	DP0		
22	DP1		

CSTN 8 Bit			
Pin (80 Pin, J1)	Signal	Pin (34 Pin, SKIT-Display)	Signal
23	IO8		
24	IO9		
25	IO10		
26	IO11		
27	IO12		
28	TCK		
29	TDI		
30	TDO		
31	TMS		
32	/TRST		
33	GND		
34	GND		
35	IO13		
36	IO14		
37	IO15		
38	IO16		
39	IO17		
40	IO18		
41	IO19		
42	IO20		
43	IO21		
44	IO22		
45	IO23		
46	IO24		
47	IO25		

CSTN 8 Bit			
Pin (80 Pin, J1)	Signal	Pin (34 Pin, SKIT-Display)	Signal
48	IO26		
49	IO27		
50	IO28	23	nDISP
51	IO29	25	VDD *
52	IO30		
53	IO31		
54	GND		
55	GND	24	GND
56	VIO0	14	D0
57	VIO1	13	D1
58	VIO2	12	D2
59	VIO3	11	D3
60	VIO4	10	D4
61	VIO5	9	D5
62	VIO6	16	D6
63	VIO7	15	D7
64	VIO8		
65	VIO9		
66	VIO10		
67	VIO11		
68	VIO12		
69	VIO13		
70	VIO14		
71	VIO15		
72	VIO16		

CSTN 8 Bit			
Pin (80 Pin, J1)	Signal	Pin (34 Pin, SKIT-Display)	Signal
73	VIO17		
74	VIO18	22	LOAD
75	VIO19	20	FRM
76	VIO20	21	M
77	GND	24	GND
78	GND	24	GND
79	VIO21	19	CP
80	GND	28	GND

* additional switch requested,
see PicoMOD1-Startinterf_Schaltung.pdf (LCD-POWER)

1.5 PicoCOM2/3

PicoCOM pin assignment list (TFT)

TFT			
Pin No. (80 Pin - J1 Connector)	Signal name (80 Pin - J1 Connector)	Pin No. (34 Pin - J9 Connector)	Signal name (34 Pin - J9 Connector)
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			

TFT			
Pin No. (80 Pin - J1 Connector)	Signal name (80 Pin - J1 Connector)	Pin No. (34 Pin - J9 Connector)	Signal name (34 Pin - J9 Connector)
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43	LCD0	2	R1
44	LCD1	31	R2
45	LCD2	32	R3
46	LCD3	33	R4
47	LCD4	34/3	R5/R0

TFT			
Pin No. (80 Pin - J1 Connector)	Signal name (80 Pin - J1 Connector)	Pin No. (34 Pin - J9 Connector)	Signal name (34 Pin - J9 Connector)
48	LCD5		
49	LCD6	13	G1
50	LCD7	7	G2
51	LCD8	6	G3
52	LCD9	5	G4
53	LCD10	4/14	G5/G0
54	LCD11	11	B1
55	LCD12	10	B2
56	LCD13	9	B3
57	LCD14	16	B4
58	LCD15	15/12	B5/B0
59	CLK	19	DCLK
60	DEN	21	DE
61	GND	24	GND
62	GND	28	GND
63	HSYNC	22	HSYNC
64	VSYNC	20	VSYNC
65	CC	18	PWM CFL brightnes
66	LCD Power On	25	VLCD (Power)
67	CFL Power On	30	VCFL (Power)
68	Enable		
69			
70			
71			
72			

TFT			
Pin No. (80 Pin - J1 Connector)	Signal name (80 Pin - J1 Connector)	Pin No. (34 Pin - J9 Connector)	Signal name (34 Pin - J9 Connector)
73			
74			
75			
76			
77			
78			
79			
80			

STN (monochrome passiv)			
Pin No. (80 Pin - J1 Connector)	Signal name (80 Pin - J1 Connector)	Pin No. (34 Pin - J9 Connector)	Signal name (34 Pin - J9 Connector)
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			

STN (monochrome passiv)			
Pin No. (80 Pin - J1 Connector)	Signal name (80 Pin - J1 Connector)	Pin No. (34 Pin - J9 Connector)	Signal name (34 Pin - J9 Connector)
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43	LCD0	2	D0
44	LCD1	31	D1
45	LCD2	32	D2
46	LCD3	33	D3
47	LCD4		
48	LCD5		
49	LCD6		

STN (monochrome passiv)			
Pin No. (80 Pin - J1 Connector)	Signal name (80 Pin - J1 Connector)	Pin No. (34 Pin - J9 Connector)	Signal name (34 Pin - J9 Connector)
50	LCD7		
51	LCD8		
52	LCD9		
53	LCD10		
54	LCD11		
55	LCD12		
56	LCD13		
57	LCD14		
58	LCD15		
59	CLK	19	CL2
60	DEN	21	M
61	GND	24	GND
62	GND	28	GND
63	HSYNC	22	CL1
64	VSYNC	20	FLM
65	CC	18	PWM VEEK*
66	LCD Power On	25	VLCD Power
67	CFL Power On	30	VCFL Power
68	Enable	23	DISPOFF
69			
70			
71			
72			
73			
74			

STN (monochrome passiv)			
Pin No. (80 Pin - J1 Connector)	Signal name (80 Pin - J1 Connector)	Pin No. (34 Pin – J9 Connector)	Signal name (34 Pin – J9 Connector)
75			
76			
77			
78			
79			
80			

* VEEK (VEE control voltage 0+3V)

extern VEE generator necessary

1.6 PicoMOD pin assignment list (TFT)

J1					
140 pin Pi-coMOD	80 pin Pi-coMOD1				
Pin	Pin	Signal	Default Interface	Starterkit Interface	Starterkit Signal
1	--	IO64	I/O-Pin 64	SPI CS	
2	--	IO65	I/O-Pin 65	SPI CLK	
3	--	IO66	I/O-Pin 66	SPI MISO	
4	--	IO67	I/O-Pin 67	SPI MOSI	
5	--	CAN-TX	CAN TX	CAN TX	
6	--	CAN-RX	CAN RX	CAN RX	
7	2	RX-	Ethernet RX-	Ethernet RX-	
8	1	TX-	Ethernet TX-	Ethernet TX-	
9	4	RX+	Ethernet RX+	Ethernet RX+	
10	3	TX+	Ethernet TX+	Ethernet TX+	
11	6	V33	+3,3V ±5% DC	+3,3V ±5% DC	
12	5	V33	+3,3V ±5% DC	+3,3V ±5% DC	
13	8	GND	GND	GND	
14	7	GND	GND	GND	

J1					
140 pin Pi-coMOD	80 pin Pi-coMOD1				
Pin	Pin	Signal	Default Interface	Starterkit Interface	Starterkit Signal
15	10	/PONRES	Processor Reset	Processor Reset	
16	9	VBAT	+3V...+3,6V DC (Battery buffering RTC) (*)	+3V...+3,6V DC (Battery buffering RTC)	
17	12	IO1	I/O-Pin 1	COM2 TXD	
18	11	IO0	I/O-Pin 0	COM 2 RXD	
19	14	IO3	I/O-Pin 3	COM2 RTS	
20	13	IO2	I/O-Pin 2	COM2 CTS	
21	16	IO5	COM1 TXD	COM1 TXD	
22	15	IO4	COM1 RXD	COM1 RXD	
23	18	IO7	I/O-Pin 7	COM3 TXD	
24	17	IO6	I/O-Pin 6	COM3 RXD	
25	20	DN1	USB De-vice -	USB De-vice -	
26	19	DN0	USB Host -	USB Host -	
27	22	DP1	USB De-vice +	USB De-vice +	
28	21	DP0	USB Host +-	USB Host +-	
29	24	IO9	I/O-Pin 9	GPIO5	
30	23	IO8	I/O-Pin 8	USB Host Power	

J1					
140 pin Pi-coMOD	80 pin Pi-coMOD1				
Pin	Pin	Signal	Default Interface	Starterkit Interface	Starterkit Signal
31	26	IO11	I/O-Pin 11	I2C SDA	
32	25	IO10	I/O-Pin 10	USB Device Detect	
33	28	TCK	JTAG Clock	JTAG Clock	
34	27	IO12	I/O-Pin 12	I2C SCL	
35	30	TDO	JTAG Data Out	JTAG Data Out	
36	29	TDI	JTAG Data In	JTAG Data In	
37	32	/TRST	JTAG Reset (**)	JTAG Reset (**)	
38	31	TMS	JTAG TMS	JTAG TMS	
39	34	GND	GND	GND	
40	33	GND	GND	GND	
41	36	IO14	I/O-Pin 14	GPIO1	
42	35	IO13	I/O-Pin 13	GPIO0	
43	38	IO16	I/O-Pin 16	GPIO3	
44	37	IO15	I/O-Pin 15	GPIO2	
45	40	IO18	I/O-Pin 18	SD-CARD CLK	
46	39	IO17	I/O-Pin 17	GPIO4	
47	42	IO20	I/O-Pin 20	SD-CARD DAT0	

J1					
140 pin Pi-coMOD	80 pin Pi-coMOD1				
Pin	Pin	Signal	Default Interface	Starterkit Interface	Starterkit Signal
48	41	IO19	I/O-Pin 19	SD-CARD CMD	
49	44	IO22	I/O-Pin 22	SD-CARD DAT2	
50	43	IO21	I/O-Pin 21	SD-CARD DAT1	
51	46	IO24	I/O-Pin 24	SD-CARD Detect	
52	45	IO23	I/O-Pin 23	SD-CARD DAT3	
53	48	IO26	I/O-Pin 26	SD-CARD Write Protect	
54	47	IO25	I/O-Pin 25	SD-CARD Power Enable	
55	50	IO28	I/O-Pin 28	LCD DEN	DEN
56	49	IO27	I/O-Pin 27	LCD Enable	
57	52	IO30	I/O-Pin 30	VCFL On	VCFL On
58	51	IO29	I/O-Pin 29	VLCD On	VLCD On
59	54	GND	GND	GND	GND
60	53	IO31	I/O-Pin 31	LCD VEEK	VEEK
61	56	VIO0	I/O-Pin 32	LCD	G0
62	55	GND	GND	GND	GND
63	58	VIO2	I/O-Pin 34	LCD	B0

J1					
140 pin Pi-coMOD	80 pin Pi-coMOD1				
Pin	Pin	Signal	Default Interface	Starterkit Interface	Starterkit Signal
64	57	VIO1	I/O-Pin 33	LCD	G1
65	60	VIO4	I/O-Pin 36	LCD	B2
66	59	VIO3	I/O-Pin 35	LCD	B1
67	62	VIO6	I/O-Pin 38	LCD	B4
68	61	VIO5	I/O-Pin 37	LCD	B3
69	64	VIO8	I/O-Pin 40	LCD	G2
70	63	VIO7	I/O-Pin 39	LCD	B5
71	66	VIO10	I/O-Pin 42	LCD	G4
72	65	VIO9	I/O-Pin 41	LCD	G3
73	68	VIO12	I/O-Pin 44	LCD	R0
74	67	VIO11	I/O-Pin 43	LCD	G5
75	70	VIO14	I/O-Pin 46	LCD	R2
76	69	VIO13	I/O-Pin 45	LCD	R1
77	72	VIO16	I/O-Pin 48	LCD	R4
78	71	VIO15	I/O-Pin 47	LCD	R3
79	74	VIO18	I/O-Pin 50	LCD	HSYNC
80	73	VIO17	I/O-Pin 49	LCD	R5
81	76	VIO20	I/O-Pin 52	LCD	M (DE)
82	75	VIO19	I/O-Pin 51	LCD	VSYNC
83	78	GND	GND	GND	GND
84	77	GND	GND	GND	GND
85	80	GND	GND	GND	GND

J1					
140 pin Pi-coMOD	80 pin Pi-coMOD1				
Pin	Pin	Signal	Default Interface	Starterkit Interface	Starterkit Signal
86	79	VIO21	I/O-Pin 53	LCD	DCLK
87	--	IO70	I/O-Pin 70	CF /CD	
88	--	IO71	I/O-Pin 71	CF /IRQ	
89	--	/WAIT	Bus Wait	CF /WAIT	
90	--	IO72	I/O-Pin 72	CF INPACK	
91	--	CS2	Chip Select 2	CF	
92	--	CS3	Chip Select 3	CF	
93	--	IO73	I/O-Pin 73	CF REG	
94	--	/OE_CF	CF /OE	CF /OE	
95	--	/WE_CF	CF /WE	CF /WE	
96	--	/OE	/OE	/OE	
97	--	/WE	/WE	/WE	
98	--	IO74	I/O-Pin 74	CF RESET	
99	--	A0	Address 0	Address 0	
100	--	A1	Address 1	Address 1	
101	--	A2	Address 2	Address 2	
102	--	A3	Address 3	Address 3	
103	--	A4	Address 4	Address 4	
104	--	A5	Address 5	Address 5	
105	--	A6	Address 6	Address 6	

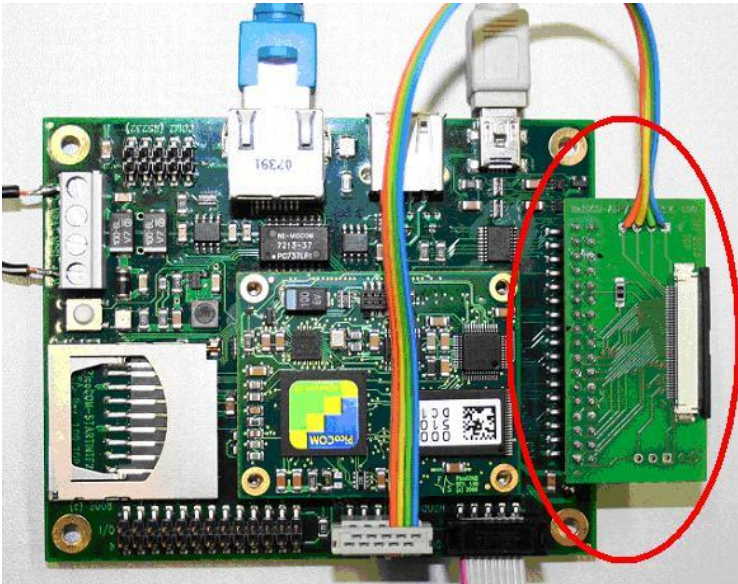
J1					
140 pin Pi-coMOD	80 pin Pi-coMOD1				
Pin	Pin	Signal	Default Interface	Starterkit Interface	Starterkit Signal
106	--	A7	Address 7	Address 7	
107	--	A8	Address 8	Address 8	
108	--	A9	Address 9	Address 9	
109	--	A10	Address 10	Address 10	
110	--	D0	Data 0	Data 0	
111	--	D1	Data 1	Data 1	
112	--	D2	Data 2	Data 2	
113	--	D3	Data 3	Data 3	
114	--	D4	Data 4	Data 4	
115	--	D5	Data 5	Data 5	
116	--	D6	Data 6	Data 6	
117	--	D7	Data 7	Data 7	
118	--	D8	Data 8	Data 8	
119	--	D9	Data 9	Data 9	
120	--	D10	Data 10	Data 10	
121	--	D11	Data 11	Data 11	
122	--	D12	Data 12	Data 12	
123	--	D13	Data 13	Data 13	
124	--	D14	Data 14	Data 14	
125	--	D15	Data 15	Data 15	
126	--	IO75	I/O-Pin 75	CF Card Power	

J1					
140 pin Pi-coMOD	80 pin Pi-coMOD1				
Pin	Pin	Signal	Default Interface	Starterkit Interface	Starterkit Signal
				Enable	
127	--	CS5	Chip Select 5	Chip Select FS-Bus	
128	--	ETH-ACT	Ethernet Activity	Ethernet Activity	
129	--	STA	Status 1	Status 1	
130	--	STA2	Status 2	Status 2	
131	--	LOUT	Audio Left Out	Audio Left Out	
132	--	ROUT	Audio Right Out	Audio Right Out	
133	--	LIN	Audio Left In	Audio Left In	
134	--	RIN	Audio Right In	Audio Right In	
135	--	MICIN	Mic In	Mic In	
136	--	MICBIAS	Mic Bias	Mic Bias	
137	--	X+	Touch X+	Touch X+	
138	--	X-	Touch X-	Touch X-	
139	--	Y+	Touch Y+	Touch Y+	
140	--	Y-	Touch Y-	Touch Y-	

See PicoMOD starter kit documentation for connection examples.

1.7 Display Adapters

F&S offers different display adapters to facilitate the connection of as many different displays as possible to the starter kits. For a lot of displays there are already tailor-made solutions available and the appropriate adapter is mentioned in the section for the specific display. For further information about the adapters themselves see the separate document “Display Adapters”. The available display adapters are listed on the F&S homepage (downloads).

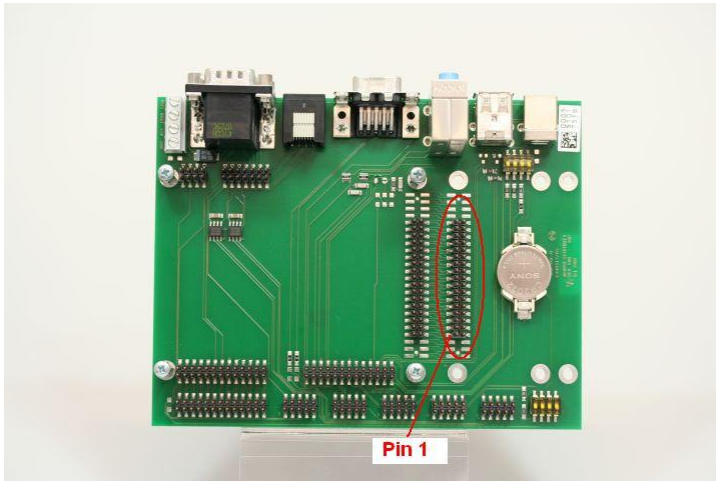


Display adapter (NetDCU-ADP/TX9) plugged into PicoCOM2-SKIT

1.8 Starter kits of F&S

F&S offer starter kits to all F&S boards.

Generally there is an 34 Pin connector available on the baseboard of the starter kit. This 34 Pin connector offer the signals and power supply to drive an display.



Baseboard (NetDCU-Startinterf4) coming with most of the NetDCU and PicoMOD starter kits. Display connector J3A and Pin 1 are marked.

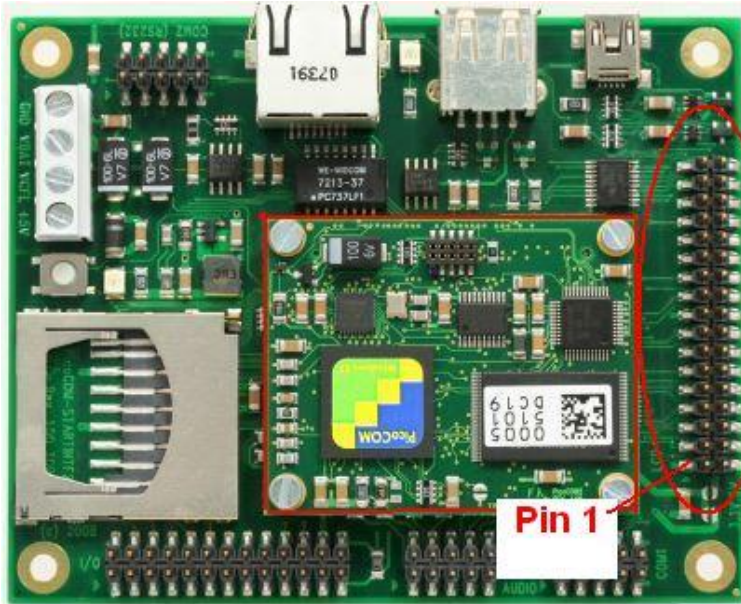
J3 Display Interface

J3A Display Interface		
Pin	Signal	Function
1	GND	Signal Ground
2	R1	Red Bit 1
3	R0	Red Bit 0 (LSB)

J3A Display Interface		
Pin	Signal	Function
4	G5	Green Bit 5 (MSB)
5	G4	Green Bit 4
6	G3	Green Bit 3
7	G2	Green Bit 2
8	GND	Signal Ground
9	B3	Blue Bit 3
10	B2	Blue Bit 2
11	B1	Blue Bit 1
12	B0	Blue Bit 0 (LSB)
13	G1	Green Bit 1
14	G0	Green Bit 0 (LSB)
15	B5	Blue Bit 5 (MSB)
16	B4	Blue Bit 4
17	GND	Signal Ground
18	V _{EEL}	(*)
19	CLP	Data clock pulse (CLCK)
20	FRP	Frame Impulse (Vsync)
21	M	Display data valid signal (Data Enable)
22	LIP	Line Impulse (Hsync)
23	DEN	Display ON (Display Enable)
24	GND	Signal Ground
25	V _{LCD}	Power supply LCD

J3A Display Interface		
Pin	Signal	Function
		(3.3V or 5V)
26	--	NC
27	--	NC
28	GND	Signal Ground
29	--	NC
30	V _{CFL}	for CFL converter (Switched voltage coming from J1A Pin4)
31	R2	Red Bit 2
32	R3	Red Bit 3
33	R4	Red Bit 4
34	R5	Red Bit 5 (MSB)

(*) ⇒ software adjustable output voltage 0V...+3,3V can be used to dim backlight.



Baseboard (PicoCOM-Startinterf2) coming with PicoCOM2 starter kit. Display connector and Pin 1 are marked.

J9 LCD Interface

PIN	Signal	Function
1	GND	Signal Ground
2	LCD0	R1
3	LCD4	R0
4	LCD10	G5
5	LCD9	G4

PIN	Signal	Function
6	LCD8	G3
7	LCD7	G2
8	GND	Signal Ground
9	LCD13	B3
10	LCD12	B2
11	LCD11	B1
12	LCD15	B0
13	LCD6	G1
14	LCD10	G0
15	LCD15	B5
16	LCD14	B4
17	GND	Signal Ground
18	VEEK	Adjust Voltage 0 ... +3,3V (*)
19	LCDCLK	DCLK/ SHIFT (CLK)
20	VSYNC	VSYNC
21	LCDDEN	DE (Data Enable)
22	HSYNC	HSYNC
23	-	NC
24	GND	Signal Ground
25	VLCD	LCD Supply Voltage (3,3V or 5V)
26	-	NC

PIN	Signal	Function
27	-	
28	GND	Signal Ground
29	-	NC
30	VCFL	Background Supply Voltage (Switched voltage coming from J11 Pin2)
31	LCD1	R2
32	LCD2	R3
33	LCD3	R4
34	LCD4	R5

(*) ⇒ software adjustable output voltage 0V...+3,3V
can be used to dim backlight.

2 Display Connections

This section describes the pin-by-pin connections to different displays and the F&S starter kits, ordered by display supplier.

2.1 Sharp

2.1.1 Sharp LQ10D345

TFT Display: 10", 3.3V
Resolution: 640 x 480 pixels
Corresponding adapter: NetDCU-ADP/UNI-TFT

LQ10D345		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	H _{SYNC}	22	LP
4	V _{SYNC}	20	FRM
5	GND	1	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	8	GND
20	B0	12	B0

LQ10D345		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5
26	GND	24	GND
27	ENAB	21	DISP ON
28	V _{CC}	25	V _{CC} (+3,3V)
29	V _{CC}	25	V _{CC} (+3,3V)
30	R/L	28	GND
31	U/D	25	V _{CC} (+3,3V)
32	V/Q	28	GND
33	GND	28	GND

2.1.2 Sharp LQ057Q3DC02

TFT Display: 5.7", 3.3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: NetDCU-ADP/UNI-TFT
 (Jumper R2, 4, 6)

LQ057Q3DC02		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	H _{SYNC}	22	LP
4	V _{SYNC}	20	FRM
5	GND	1	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	8	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5

LQ057Q3DC02		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	GND	24	GND
27	ENAB	21	M-Signale
28	V _{CC}	25	V _{CC} (+3,3V)
29	V _{CC}	25	V _{CC} (+3,3V)
30	R/L (*)	28	GND
31	U/D (*)	25	V _{CC} (+3,3V)
32	V/Q(*)	28	GND
33	GND	28	GND

(*) See data-sheet.

2.1.3 Sharp LQ057V3DG02

TFT Display: 5.7", 3.3V
 Resolution: 640 x 480 pixels
 Corresponding adapter: NetDCU-ADP/UNI-TFT
 with modifications (Jumper R2, R4)

LQ057V3DG01		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	H _{SYNC}	22	LP
4	V _{SYNC}	20	FRM
5	GND	1	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	8	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5

LQ057V3DG01		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	GND	24	GND
27	ENAB	21	M-Signal
28	V _{CC}	25	V _{CC} (+3,3V)
29	V _{CC}	25	V _{CC} (+3,3V)
30	R/L (*)	28	GND
31	U/D (*)	25	V _{CC} (+3,3V)
32	DISP	23	DEN
33	GND	28	GND

(*) See data-sheet.

2.1.4 Sharp LQ038Q5DR0

TFT Display: 3.8"
 Resolution: 320 x 240 pixels
 Corresponding adapter: -

LQ038Q5DR01		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1		1	GND
2	V _{CC}	25	V _{LCD} (+3.3V)
3	Hsync	22	LIP
4	G3	6	G3
5	T0	NC	-
6	G4	5	G4
7	T1	NC	-
8	G5	4	G5
9	HVR	1	GND
10	GND	1	GND
11	GND	1	GND
12	B0	12	B0
13	CLK	19	CLP
14	B1	11	B1
15	GND	17	GND
16	B2	10	B2
17	R0	3	R0
18	GND	17	GND
19	R1	2	R1
20	B3	9	B3
21	R2	31	R2
22	B4	16	B4
23	GND	24	GND
24	B5	15	B5
25	R3	32	R3
26	GND	24	GND

LQ038Q5DR01		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	R4	33	R4
28		20	FRP
29	R5	34	R5
30	TEST	NC	Do not connect
31	GND	28	GND
32	TEST	NC	Do not connect
33	G0	14	G0
34	TEST	NC	Do not connect
35	G1	13	G1
36	TEST	NC	Do not connect
37	G2	7	G2
38	ENAB	21	M-Signal
39		25	V _{LCD} (+3.3V)
40	GND	28	GND

2.1.5 Sharp LQ043

TFT Display: 4.3", 3.3V or 5V

Resolution: 480 x 272 pixels

Corresponding adapter: -

LQ043		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	GND	1	GND
3	VCC	25	VLCD 3,3 V
4	VCC	25	VLCD 3,3 V
5	R0	33	R4
6	R1	34	R5
7	R2	3	R0
8	R3	2	R1
9	R4	31	R2
10	R5	32	R3
11	R6	33	R4
12	R7	34	R5
13	G0	5	G4
14	G1	4	G5
15	G2	14	G0
16	G3	13	G1
17	G4	7	G2
18	G5	6	G3
19	G6	5	G4
20	G7	4	G5
21	B0	16	B4
22	B1	15	B5
23	B2	12	B0
24	B3	11	B1
25	B4	10	B2
26	B5	9	B3

LQ043		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	B6	16	B4
28	B7	15	B5
29	GND	24	GND
30	CK	19	CLP
31	DISP	23	DEN
32	Hsync	22	LIP
33	Vsync	20	FRP
34	NC	-	
35	AVDD	-	Extern 5V
36	AVDD	-	Extern 5V
37	NC	-	
38	TEST1	-	
39	TEST2 (*)	28	GND
40	TEST3 (*)	28	GND

(*) See data-sheet.

2.1.6 Sharp LQ049B5DG01

TFT Display: 4.9"
 Resolution: 320 x 96 pixels
 Corresponding adapter: -

LQ049B5DG01		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VGH	-	Extern (+10V/DC) (*)
2	ENAB	21	M-Signal
3	HVR	25	V _{LCD} (+5V/DC) (*)
4	B5	15	B5
5	B4	16	B4
6	B3	9	B3
7	B2	10	B2
8	B1	11	B1
9	B0	12	B0
10	VSH	25	V _{LCD} (+5V/DC)
11	VSH	25	V _{LCD} (+5V/DC)
12	G5	4	G5
13	G4	5	G4
14	G3	6	G3
15	G2	7	G2
16	G1	13	G1
17	G0	14	G0
18	GND	8	GND
19	R5	34	R5
20	R4	33	R4
21	R3	32	R3
22	R2	31	R2
23	R1	2	R1
24	R0	3	R0
25	VGL	-	Extern (-10V/DC) (*)
26	V _{SYNC}	20	FRP

LQ049B5DG01		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	H _{SYNC}	22	LIP
28	GND	24	GND
29	CK	19	CLP
30	GND	24	GND

(*) See data-sheet.

2.1.7 Sharp LQ64D34

TFT Display: 6.4"

Resolution: 640 x 480 pixels

Corresponding Adapter: B.MKAB.24 with modifications

LQ64D341		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CLK	19	CLP
3	H _{SYNC}	22	LIP
4	V _{SYNC}	20	FRM
5	GND	1	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	8	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5
26	GND	24	GND

LQ64D341		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	ENAB	21	M-Signal
28	V _{CC}	25	V _{LCD} (5V DC)
29	V _{CC}	25	V _{LCD} (5V DC)
30	R/L (*)	25/ 28	V _{LCD} /GND
31	U/D (*)	25/ 28	V _{LCD} /GND

(*) See data-sheet

2.1.8 Sharp LQ070Y5DR04

TFT Display: 7", 3.3V
 Resolution: 800 x 480 pixels
 Corresponding Adapter: -

LQ070Y5DR04		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CLK	19	CLP
3	GND		
4	R0	3	R0
5	R1	2	R1
6	R2	31	R2
7	R3	32	R3
8	R4	33	R4
9	R5	34	R5
10	GND		
11	G0	14	G0
12	G1	13	G1
13	G2	7	G2
14	G3	6	G3
15	G4	5	G4
16	G5	4	G5
17	GND	17	GND
18	B0	12	B0
19	B1	11	B1
20	B2	10	B2
21	B3	9	B3
22	B4	16	B4
23	B5	15	B5
24	GND		
25	Hsync	22	LIP
26	HENAB	21	M-Signal
27	Vsync	20	FRP

LQ070Y5DR04		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
28	GND		
29	TST1 (*)	8	GND
30	TST2 (*)	8	GND
31	TST3 (*)	25	VLCD
32	TST4 (*)	8	GND
33	GND	24	GND
34	HVR (*)	25	VLCD/
35	RST (*)	-	NC
36	VCC	25	VLCD
37	VCC	25	VLCD
38	VCC	25	VLCD
39	GND	28	GND
40	GND	28	GND

(*) See data-sheet.

2.1.9 Sharp LQ050

TFT Display 5", 3.3V

Resolution: 320 x 240 pixels

Corresponding Adapter: -

LQ050		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	VCC	25	VLCD
3	H _{SYNC}	22	LIP
4	G3	6	G3
5	T0	-	
6	G4	5	G4
7	T1	-	
8	G5	4	G5
9	HVR (*)	8	GND
10	GND	8	GND
11	GND	8	GND
12	B0	12	B0
13	CLK	19	CLP
14	B1	11	B1
15	GND	-	
16	B2	10	B2
17	R0	3	R0
18	GND	17	GND
19	R1	2	R1
20	B3	9	B3
21	R2	31	R2
22	B4	16	B4
23	GND	-	
24	B5	15	B5
25	R3	32	R3
26	GND	-	

LQ050		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	R4	33	R4
28	Vsync	20	FRP
29	R5	34	R5
30	Test (*)	-	
31	GND	24	GND
32	TEST (*)	-	
33	G0	14	G0
34	TEST (*)	-	
35	G1	13	G1
36	TEST (*)	-	
37	G2	7	G2
38	ENAB	21	M-Signal
39	VCC	25	VLCD
40	GND	28	GND

(*) See data-sheet

2.1.10 Sharp LQ065

TFT Display: 6.5", 3.3V
 Resolution: 400 x 240 pixels
 Corresponding Adapter: -

LQ065		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VGH (+10V)		extern
2	VSH (+5V)		extern
3	VSH (+5V)		extern
4	ENAB	21	M-Signal
5	HVR (*)		NC
6	B5	15	B5
7	B4	16	B4
8	B3	9	B3
9	B2	10	B2
10	B1	11	B1
11	B0	12	B0
12	GND	1	GND
13	G5	4	G5
14	G4	5	G4
15	G3	6	G3
16	G2	7	G2
17	G1	13	G1
18	G0	14	G0
19	GND	8	GND
20	R5	34	R5
21	R4	33	R4
22	R3	32	R3
23	R2	31	R2
24	R1	2	R1
25	R0	3	R0
26	VGL (-10V)		extern

LQ065		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	Vsync	20	FRP
28	Hsync	22	LIP
29	GND	17	GND
30	CK	19	CLP
31	GND	24	GND

(*) See data-sheet.

2.1.11 Sharp LQ084V1

TFT Display: 8.4", 3.3V
Resolution: 640 x 480 pixels
Corresponding Adapter: -

LQ084V1		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	HSYNC	22	LIP
4	VSYNC	20	FRP
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5
26	GND	28	GND

LQ084V1		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	ENAB	21	M
28	VCC	25	VLCD
29	VCC	25	VLCD
30	R/L	25	VLCD
31	U/D	25	VLCD

(*) See data-sheet.

2.1.12 Sharp LQ104V1

TFT Display: 10.4", 5V
 Resolution: 640 x 480 pixels
 Corresponding Adapter: B.MKAB.16 &
 NetDCU-ADP/UNI-TFT (Jumper R3, R5)

LQ104V1		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	Hsync	22	LIP
4	Vsync	20	FRP
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5

LQ104V1		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	GND	28	GND
27	ENAB	21	M-Signal
28	VCC	25	VLCD
29	VCC	25	VLCD
30	R/L (*)		
31	U/D (*)		

(*) See data-sheet.

2.1.13 Sharp LQ121S1DG

TFT Display: 12.1", 3.3V
Resolution: 800 x 600 pixels
Corresponding Adapter: NetDCU-ADP/UNI-TFT

LQ121S1DG		NetDCU10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	GND	8	GND
4	H _{SYNC}	22	LIP
5	V _{SYNC}	20	FRP
6	GND	17	GND
7	GND	17	GND
8	GND	17	GND
9	R0	3	R0
10	R1	2	R1
11	R2	31	R2
12	GND	17	GND
13	R3	32	R3
14	R4	33	R4
15	R5	34	R5
16	GND	24	GND
17	GND	24	GND
18	GND	24	GND
19	G0	14	G0
20	G1	13	G1
21	G2	7	G2
22	GND	24	GND
23	G3	6	G3
24	G4	5	G4
25	G5	4	G5
26	GND	28	GND
27	GND	28	GND

LQ121S1DG		NetDCU10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
28	GND	28	GND
29	B0	12	B0
30	B1	11	B1
31	B2	10	B2
32	GND	28	GND
33	B3	9	B3
34	B4	16	B4
35	B5	15	B5
36	GND	28	GND
37	ENAB	21	M-Signal
38	N.C	-	-
39	V _{CC}	25	V _{LCD} (+3.3V or +5V)
40	V _{CC}	25	V _{LCD} (+3.3V or +5V)
41	NC	-	-

2.1.14 Sharp L2038Q5DR

TFT Display: 3.3V
 Resolution: 320 x 240 pixels
 Corresponding Adapter: -

L2038Q5DR		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	VCC	25	VLCD
3	Hsync	22	LIP
4	G3	13	G1
5	T0	-	
6	G4	7	G2
7	T1	-	
8	G5	6	G3
9	HVR	8	GND
10	GND	8	GND
11	GND	8	GND
12	B0	16	B4
13	CLK	19	CLP
14	B1	15	B5
15	GND	17	GND
16	B2	12	B0
17	R0	33	R4
18	GND	17	GND
19	R1	34	R5
20	B3	11	B1
21	R2	3	R0
22	B4	10	B2
23	GND	24	GND
24	B5	9	B3
25	R3	2	R1
26	GND	24	GND

L2038Q5DR		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	R4	31	R2
28	VSYNC	20	FRP
29	R5	32	R3
30	Test	-	
31	GND	24	GND
32	Test	-	
33	G0	5	G4
34	Test	-	
35	G1	4	G5
36	Test	-	
37	G2	14	G0
38	ENAB	21	M
39	VCC	25	VLCD
40	GND	28	GND

(*) See data-sheet.

2.2 Kyocera

2.2.1 Kyocera KCG047QV

CSTN Display: 4.7", 3.3V or 5V
 Resolution: 320 x 240 pixels
 Corresponding adapter: -

KCG047QV		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	FRM	20	FRP
2	LOAD	22	LIP
3	CP	19	CLP
4	DISP	23	DEN
5	V _{DD}	25	V _{LCD} (+3.3 or +5V)
6	V _{SS} (GND)	24	GND
7	V _{CONST}	18	+V _{E EK} (about +1.95V)*
8	D7	16	B4
9	D6	15	B5
10	D5	14	G0
11	D4	13	G1
12	D3	12	B0
13	D2	11	B1
14	D1	10	B2
15	D0	9	B3
16	V _{DD}	25	V _{LCD} (+3.3 or +5V)
17	V _{DD}	25	V _{LCD} (+3.3 or +5V)
18	V _{SS} (GND)	28	GND
19	V _{SS} (GND)	28	GND
20	V _{SS} (GND)	28	GND

(*) See data-sheet.

2.2.2 Kyocera KCG057QV

CSTN Display: 5.7", 3.3V or 5V

Resolution: 320 x 240 pixels

Corresponding adapter: -

KCG057QV		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	FRM	20	FRP
2	LOAD	22	LIP
3	CP	19	CLP
4	DISP	23	DEN
5	V _{DD}	25	V _{LCD} (+3.3 or +5V)
6	V _{SS} (GND)	24	GND
7	V _{CONST}	18	+V _{EEL} (about +1.95V)*
8	D7	16	B4
9	D6	15	B5
10	D5	14	G0
11	D4	13	G1
12	D3	12	B0
13	D2	11	B1
14	D1	10	B2
15	D0	9	B3
16	V _{DD}	25	V _{LCD} (+3.3 or +5V)
17	V _{DD}	25	V _{LCD} (+3.3 or +5V)
18	V _{SS} (GND)	28	GND
19	V _{SS} (GND)	28	GND
20	V _{SS} (GND)	28	GND

(*) See data-sheet.

2.2.3 Kyocera KCG062HV

CSTN Display: 6.2", 3.3V or 5V

Resolution: 640 x 240 pixels

Corresponding adapter: -

KCG062HV		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	FRM	20	FRP
2	LOAD	22	LIP
3	CP	19	CLP
4	DISP	23	DEN
5	V _{DD}	25	V _{LCD} (+3.3 or +5V)
6	V _{SS} (GND)	24	GND
7	V _{CONST}	18	+V _{EEL} (about +1.95V)*
8	D7	16	B4
9	D6	15	B5
10	D5	14	G0
11	D4	13	G1
12	D3	12	B0
13	D2	11	B1
14	D1	10	B2
15	D0	9	B3
16	V _{DD}	25	V _{LCD} (+3.3 or +5V)
17	V _{DD}	25	V _{LCD} (+3.3 or +5V)
18	V _{SS} (GND)	28	GND
19	V _{SS} (GND)	28	GND
20	V _{SS} (GND)	28	GND

(*) See data-sheet.

2.2.4 Kyocera KCG075VG

CSTN Display: 7.5", 3.3V or 5V

Resolution: 640 x 480 pixels

Corresponding adapter: -

KCG075VG		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	FRM	20	FRP
2	LOAD	22	LIP
3	CP	19	CLP
4	DISP	23	DEN
5	V _{DD}	25	V _{LCD} (+3.3 or +5V)
6	V _{SS} (GND)	24	GND
7	V _{CONST}	18	+V _{EEL} (about +1.95V)*
8	D7	16	B4
9	D6	15	B5
10	D5	14	G0
11	D4	13	G1
12	D3	12	B0
13	D2	11	B1
14	D1	10	B2
15	D0	9	B3
16	V _{DD}	25	V _{LCD} (+3.3 or +5V)
17	V _{DD}	25	V _{LCD} (+3.3 or +5V)
18	V _{SS} (GND)	28	GND
19	V _{SS} (GND)	28	GND
20	V _{SS} (GND)	28	GND

(*) See data-sheet.

2.2.5 Kyocera KCS057QV / KCS3224ASTT-X1

CSTN Display: 5.7", 5V
Resolution: 320 x 240 pixels
Corresponding adapter: -

KCS057QV		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	FRM	20	FRP
2	LOAD	22	LIP
3	CP	19	CLP
4	DISP	23	DEN
5	V _{DD}	25	V _{LCD} (+5V)
6	V _{SS} (GND)	24	GND
7	V _{EE}	29	+V _{EE}
8	D7	16	B4
9	D6	15	B5
10	D5	14	G0
11	D4	13	G1
12	D3	12	B0
13	D2	11	B1
14	D1	10	B2
15	D0	9	B3

2.2.6 Kyocera KG057QV

STN Display: 5.7", 3.3V or 5V

Resolution: 320 x 240 pixels

Corresponding adapter: -

KG057QV		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	FRM	20	FRP
2	LOAD	22	LIP
3	CP	19	CLP
4	DISP	23	DEN
5	VDD	25	VLCD
6	VSS	24	GND
7	VCONT	18	V_{EEK} (about +1.95V)
8	NC	-	
9	NC	-	
10	NC	-	
11	NC	-	
12	D3	12	D3
13	D2	11	D2
14	D1	10	D1
15	D0	9	D0
16	VDD	25	VLCD
17	VDD	25	VLCD
18	VSS	28	GND
19	VSS	28	GND
20	VSS	28	GND

2.2.7 Kyocera TCG057QV

TFT Display: 5.7", 3.3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: NetDCU-ADP/UNI-TFT
 (Jumper R2, 4, 6)

TCG057QV		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	HSYNC	22	LIP
4	VSYNC	20	FRM
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5

TCG057QV		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	GND	28	GND
27	ENAB	21	M-Signal
28	VDD	25	V _{CC} (+3,3V)
29	VDD	25	V _{CC} (+3,3V)
30	R/L (*)	28	GND
31	U/D (*)	25	V _{CC}
32	V/Q (*)	28	GND
33	GND	28	GND

(*) See data-sheet.

2.2.8 Kyocera TCG057QV1DC

TFT Display: 5.7", 3.3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: NetDCU-ADP/UNI-TFT
 (Jumper R2, 4)

TCG057QV1DC		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	HSYNC	22	LIP
4	VSYNC	20	FRM
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5

TCG057QV1DC		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	GND	28	GND
27	ENAB	21	M-Signal
28	VDD	25	V _{CC} (+3,3V)
29	VDD	25	V _{CC} (+3,3V)
30	R/L (*)	28	GND
31	U/D (*)	25	V _{CC}
32	NC	28	-
33	GND	28	GND

(*) See data-sheet.

2.2.9 Kyocera TCG057VG

TFT Display: 5.7", 3.3V
 Resolution: 640 x 480 pixels
 Corresponding adapter: NetDCU-ADP/UNI-TFT
 (Jumper R2, 3,)

Kyocera TCG057VG		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	HSYNC	22	LIP
4	VSYNC	20	FRM
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	17	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5

Kyocera TCG057VG		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	GND	28	GND
27	ENAB	21	M-Signal
28	VDD	25	VLCD
29	VDD	25	VLCD
30	R/L (*)	25	VLCD
31	U/D (*)	25	VLCD
32	NC	-	
33	GND	28	GND

(*) See data-sheet.

2.2.10 Kyocera TCG062HV

TFT Display: 6.2", 3.3V
 Resolution: 640 x 240 pixels
 Corresponding adapter: NetDCU-ADP/UNI-TFT
 (Jumper R1, 4, 5)

TCG062HV		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	HSYNC	22	LIP
4	VSYNC	20	FRP
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5

TCG062HV		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	GND	28	GND
27	ENAB	21	M
28	VDD	25	VLCD
29	VDD	25	VLCD
30	R/L (*)	28	GND
31	U/D (*)	28	GND
32	V/Q (*)	25	VCC
33	GND	28	GND

(*) See data-sheet.

2.2.11 Kyocera TCG075VG

TFT Display: 7.5", 3.3V
 Resolution: 640 x 480 pixels
 Corresponding adapter: NetDCU-ADP/UNI-TFT
 (Jumper R2, 4, 6)

TCG075VG		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	HSYNC	22	LIP
4	VSYNC	20	FRM
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	17	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5

TCG075VG		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	GND	28	GND
27	ENAB	21	M-Signal
28	VDD	25	VLCD
29	VDD	25	VLCD
30	R/L (*)	28	GND
31	U/D (*)	25	VLCD
32	NC (*)	28	GND
33	GND	28	GND

(*) See data-sheet.

2.2.12 Kyocera TCG085WV

TFT Display: 8.5", 3.3V
 Resolution: 800 x 480 pixels
 Corresponding adapter: NetDCU-ADP/TX1
 with modifications and (Jumper R2,3,4,5)

TCG085WV		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
1	VDD	25	Vlcd
2	VDD	25	Vlcd
3	VDD	25	Vlcd
4	VDD	25	Vlcd
5	NC	-	
6	DTMG	21	M-Signal
7	VSS	1	GND
8	Vsync	20	FRP
9	VSS	8	GND
10	Hsync	22	LIP
11	VSS	8	GND
12	B5	15	B5
13	B4	16	B4
14	B3	9	B3
15	VSS	8	GND
16	B2	10	B2
17	B1	11	B1
18	B0	12	B0
19	VSS	17	GND
20	G5	4	G5
21	G4	5	G4
22	G3	6	G3
23	VSS	17	GND
24	G2	7	G2
25	G1	13	G1
26	G0	14	G0

TCG085WV		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
27	VSS	24	GND
28	R5	34	R5
29	R4	33	R4
30	R3	32	R3
31	VSS	24	GND
32	R2	31	R2
33	R1	2	R1
34	R0	3	R0
35	NC	-	
36	VSS	28	GND
37	VSS	28	GND
38	DCLK	19	CLP
39	VSS	28	GND
40	VSS	28	GND

2.2.13 Kyocera TCG104VG

TFT Display: 10.4", 3.3V
 Resolution: 640 x 480 pixels
 Corresponding adapter: -

TCG104VG		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	HSYNC	22	LIP
4	VSYNC	20	FRP
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5
26	GND	28	GND

TCG104VG		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	DE	21	M-Signal
28	VDD	25	VLCD
29	VDD	25	VLCD
30	NC	-	
31	SC (*)	28	GND

(*) See data-sheet.

2.2.14 Kyocera THG062HV

TFT Display: 6.2", 3,3 V
 Resolution: 640 x 240 pixels
 Corresponding adapter: NetDCU-ADP/UNI-TFT
 (Jumper R1, 3, 5)

THG062HV		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	HSYNC	22	LIP
4	VSYNC	20	FRP
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5

THG062HV		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	GND	28	GND
27	ENAB	21	M-Signal
28	VDD	25	VLCD
29	VDD	25	VLCD
30	R/L (*)	25	Vcc
31	U/D (*)	28	GND
32	V/Q (*)	25	Vcc
33	GND	28	GND

(*) See data-sheet.

2.2.15 Kyocera TCG075VGLBA

TFT Display: 3.3V
 Resolution: 640 x 480 pixels
 Corresponding adapter: -

TCG075VGLBA		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	HSYNC	22	LIP
4	VSYNC	20	FRM
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4

TCG075VGLBA		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
25	B5	15	B5
26	GND	28	GND
27	ENAB	21	M-Signal
28	VDD	25	VLCD
29	VDD	25	VLCD
30	R/L (*)	28	GND
31	U/D (*)	25	VLCD
32	NC (*)	28	GND
33			extern
34	GND	28	extern
35	ENAB	21	extern
36	VDD	25	extern
37	VDD	25	extern
38	R/L (*)	28	extern
39	U/D (*)	25	extern
40	NC (*)	28	extern

(*) See data-sheet.

2.2.16 Kyocera TCG075VGLA-54

TFT Display: 7.5", 3.3V

Resolution: 640 x 480 pixels

Corresponding adapter: NetDCU-ADP/UNI-TFT (R2/4 set)

TCG075VGLA-54		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	HSYNC	22	LIP
4	VSYNC	20	FRM
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5

TCG075VGLA-54		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	GND	28	GND
27	ENAB	21	M-Signal
28	VDD	25	VLCD
29	VDD	25	VLCD
30	R/L (*)	28	GND
31	U/D (*)	25	VLCD
32	NC	-	
33	GND	28	GND

(*) See data-sheet.

2.2.17 Kyocera TCG070WVLP

TFT Display: 7", 3.3V
 Resolution: 800 x 480 pixels
 Corresponding adapter: -

TCG070WVLP		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	AN1		Extern
2	AN2		Extern
3	CA1		Extern
4	CA2		Extern
5	VDD	25	VLCD 3.3V
6	VDD	25	VLCD 3.3V
7	CM	1	GND *
8	ENAB	21	M Signal
9	Vsync	20	FRM
10	Hsync	22	LIP
11	GND	1	GND
12	B5	15	B5
13	B4	16	B4
14	B3	9	B3
15	GND	8	GND
16	B2	10	B2
17	B1	11	B1
18	B0	12	B0
19	GND	17	GND
20	G5	4	G5
21	G4	5	G4
22	G3	22	G3
23	GND	24	GND
24	G2	7	G2
25	G1	13	G1

TCG070WVLP		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	G0	14	G0
27	GND	28	GND
28	R5	34	R5
29	R4	33	R4
30	R3	32	R3
31	GND	28	GND
32	R2	31	R2
33	R1	2	R1
34	R0	3	R0
35	SC	28	GND*
36	GND	28	GND
37	GND	28	GND
38	CK	19	CLP
39	GND	28	GND
40	GND	28	GND

(*) See data-sheet.

2.2.18 Kyocera TCG043WQLB

TFT Display: 4,3", 3.3V
 Resolution: 480 x 272 pixels
 Corresponding adapter: -

TCG043WQLB		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	CA		extern
2	AN		extern
3	GND	1	GND
4	VDD	25	VLCD
5	R0	33	R4
6	R1	34	R5
7	R2	3	R0
8	R3	2	R1
9	R4	31	R2
10	R5	32	R3
11	R6	33	R4
12	R7	34	R5
13	G0	5	G4
14	G1	4	G5
15	G2	14	G0
16	G3	13	G1
17	G4	7	G2
18	G5	6	G3
19	G6	5	G4
20	G7	4	G5
21	B0	16	B4
22	B1	15	B5
23	B2	12	B0
24	B3	11	B1

TCG043WQLB		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
25	B4	10	B2
26	B5	9	B3
27	B6	16	B4
28	B7	15	B5
29	GND	24	GND
30	DCLK	19	CLP
31	DISP	25	VLCD
32	HSYNC	22	LIP
33	VSYNC	20	FRP
34	DE	21	M
35	NC	-	
36	GND	28	GND
37	NC	-	
38	NC	-	
39	NC	-	
40	NC	-	

(*) See data-sheet.

2.3 Hitachi

2.3.1 Hitachi SX14Q001-4

CSTN Display: 5.7", 3.3V
Resolution: 320 x 240 pixels
Corresponding adapter: -

SX14Q001-4		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	FLM	20	FRP
2	CL1	22	LIP
3	CL2	19	CLP
4	DISP OFF	23	DEN
5	VDD	25	Vlcd
6	VSS	28	GND
7	VCON	18	VEEK (about +1.9V)
8	D0	9	D0
9	D1	10	D1
10	D2	11	D2
11	D3	12	D3
12	D4	13	D4
13	D5	14	D5
14	D6	15	D6
15	D7	16	D7
16	VSS	28	GND

2.3.2 Hitachi SX19V001-Z1

CSTN Display: 7.5"
 Resolution: 640 x 480 pixels
 Corresponding adapter: -

SX19V001-Z1		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	NC	-	-
2	NC	-	-
3	VSS		
4	VCON		
5	VSS		
6	VDD		
7	VDD		
8	!DISPOFF		
9	D7		
10	D6		
11	D5		
12	D4		
13	D3		
14	D2		
15	D1		
16	D0		
17	VSS		
18	CL2		
19	VSS		
20	CL1		
21	VSS		
22	FLM		
23	VSS		
24	VSS		
25	NC	-	-
26	NC	-	-

SX19V001-Z1		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	NC	-	-
28	NC	-	-

(*) See data – sheet. Use $+V_{EE}/10$.

2.3.3 Hitachi SX19V001-ZZA-8

CSTN Display: 3.3V
 Resolution: 640 x 480 pixels
 Corresponding adapter: -

SX19V001-ZZA-8		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	FLM	20	FRP
2	VSS	1	GND
3	CL1	22	LIP
4	VSS	8	GND
5	CL2	19	CLP
6	VSS	8	GND
7	D0	9	D0
8	D1	10	D1
9	D2	11	D2
10	D3	12	D3
11	D4	13	D4
12	D5	14	D5
13	D6	15	D6
14	D7	16	D7
15	Disp.OFF	23	DEN
16	VDD	25	VLCD
17	VDD	25	VLCD
18	VSS	24	GND
19	VLCD	-	Extern 36V
20	VSS	28	GND
21	TS1	-	
22	TS2	-	

2.3.4 Hitachi LMG5278XUFC

STN Display: 9.5", 3.3V or 5V

Resolution: 640 x 480 pixels

Corresponding adapter: -

LMG5278		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	Frame		
2	Load		
3	CP		
4	!DISPOFF		
5	VDD		
6	VSS		
7	VEE		
8	UD0		
9	UD1		
10	UD2		
11	UD3		
12	LD0		
13	LD1		
14	LD2		
15	LD3		

(*) See data – sheet. Use -VEE

2.3.5 Hitachi SP10Q010

STN Display: 3.3 V, VEE+
 Resolution: 320 x 240 pixels
 Corresponding adapter: -

SP10Q010		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	FLM	20	FRP
2	V6	-	
3	VDD	25	VLCD
4	V5	-	
5	DOFF	23	DEN
6	VSS	1	GND
7	M	21	M-Signal
8	CL1	22	LIP
9	VLCD	29	+VEE (about +22V)
10	V3	-	
11	VDD	25	VLCD
12	V4	-	
13	VSS	24	GND
14	CL2	19	CLP
15	D0	9	D0
16	D1	10	D1
17	D2	11	D2
18	D3	12	D3
19	VLED(+)	-	
20	VLED(-)	-	

2.3.6 Hitachi SP14Q011

STN Display: 5.7", 5V, +VEE

Resolution: 320x240 pixels

Corresponding adapter: -

SP14Q011		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	N.C	-	
2	N.C	-	
3	VSS	1	GND
4	D0	9	D0
5	D1	10	D1
6	D2	11	D2
7	D3	12	D3
8	VSS	8	GND
9	CL2	19	CLP
10	VSS	17	GND
11	VLCD	29	+VEE
12	VDD	25	VLCD
13	FLM	20	FRP
14	DOFF	23	DEN
15	CL1	22	LIP
16	VSS	24	GND
17	N.C	-	
18	N.C	-	
19	N.C	-	
20	N.C	-	

2.3.7 Hitachi SP14Q006/5

STN Display: 5.7", 3.3V or 5V, -VEE, -V0

Resolution: 320x240 pixels

Corresponding adapter: -

SP14Q006/5		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	D0	9	D0
2	D1	10	D1
3	D2	11	D2
4	D3	12	D3
5	DOFF	23	DEN
6	FLM	20	FRP
7	N.C.	-	
8	CL1	22	LIP
9	CL2	19	CLP
10	VDD	25	VLCD
11	VSS	24	GND
12	VEE	26	-VEE (about -22V)
13	V0	27	VADJ (about -17V)
14	VSS	28	GND

2.3.8 Hitachi SP24V001

STN Display: 5V
Resolution: 648 x 480 pixels
Corresponding adapter: -

SP24V001		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	FRAME	20	FRP
2	LOAD	22	LIP
3	CP	19	CLP
4	DOFF	23	DEN
5	VDD	25	VLCD
6	VSS	28	GND
7	VEE	26	-VEE
8	UD0	9	B3
9	UD1	10	B2
10	UD2	11	B1
11	UD3	12	B0
12	LD0	13	G1
13	LD1	14	G0
14	LD2	15	B5
15	LD3	16	B4

2.3.9 Hitachi LMG69XX

STN Display: 5.7", 5V
 Resolution: 320 x 240 pixels
 Corresponding adapter: -

LMG69XX		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	D0	9	B3
2	D1	10	B2
3	D2	11	B1
4	D3	12	B0
5	!(Disp.Off)	23	DEN
6	FRAME	20	FRP
7	NC	-	-
8	LOAD	22	LIP
9	CP	19	CLP
10	V _{DD}	25	V _{lcd} (+5V)
11	V _{SS}	24	GND
12	V _{EE}	26	-VEE (about -22V)
13	V ₀	27	V _{ADJ} (about -17V)
14	FGND	28	GND

2.3.10 Hitachi TX09D50VM1CCA (with Tcon & Touch)

TFT Display: 3.5", 3.3V
 Resolution: 240 x 320 pixels
 Corresponding adapter: NetDCU-ADP/TX09

TX09D50VM1CCA		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VDD	25	$V_{Icd} (+3.3V)$
2	VDD	25	$V_{Icd} (+3.3V)$
3	VDD	25	$V_{Icd} (+3.3V)$
4	DCLK	19	CLP
5	VSS	1	GND
6	HSYNC	22	LIP
7	VSS	8	GND
8	DTMG	21	M-Signal
9	VSS	1	GND
10	NC	-	
11	VSS	8	GND
12	R5	34	R5
13	R4	33	R4
14	R3	32	R3
15	VSS	8	GND
16	R2	31	R2
17	R1	33	R1
18	R0	32	R0
19	VSS	17	GND
20	G5	4	G5
21	G4	5	G4
22	G3	6	G3
23	VSS	24	GND
24	G2	7	G2
25	G1	6	G1
26	G0	7	G0

TX09D50VM1CCA		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	VSS	24	GND
28	B5	15	B5
29	B4	16	B4
30	B3	9	B3
31	VSS	28	GND
32	B2	10	B2
33	B1	9	B1
34	B0	10	B0
35	PCI	-	
36	Vctrl	18	VEEK (0-3V)
37	XR (*)		
38	YL (*)		
39	XL (*)		
40	YU (*)		

(*) See data-sheet

2.3.11 Hitachi TX14D11VM1CBA

TFT Display: 5,7", 3.3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: NetDCU-ADP/TX1 (Jumper R1) or
 NetDCU-ADP/TX2

TX14D11VM1CBA		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VDD	25	Vlcd +3.3V
2	VDD	25	Vlcd +3.3V
3	VDD	25	Vlcd +3.3V
4	VDD	25	Vlcd +3.3V
5	NC	-	
6	DTMG	21	M-Signal
7	VSS	1	GND
8	DCLK	19	CLP
9	VSS	17	GND
10	NC	-	
11	VSS	8	GND
12	B5	15	B5
13	B4	16	B4
14	B3	9	B3
15	VSS	8	GND
16	B2	10	B2
17	B1	11	B1
18	B0	12	B0
19	VSS	17	GND
20	G5	4	G5
21	G4	5	G4
22	G3	6	G3
23	VSS	24	GND
24	G2	7	G2
25	G1	13	G1

TX14D11VM1CBA		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	G0	14	G0
27	VSS	28	GND
28	R5	34	R5
29	R4	33	R4
30	R3	32	R3
31	VSS	28	GND
32	R2	31	R2
33	R1	2	R1
34	R0	3	R0
35	NC	-	
36	VSS	28	GND
37	XT (*)		
38	YL (*)		
39	XB (*)		
40	YR (*)		

(*) See data-sheet

2.3.12 Hitachi TX14D14VM1BBA-3

TFT Display: 5,7", 3.3V
 Resolution: 640 x 480 pixels
 Corresponding adapter: NetDCU-ADP/TX2

TX14D14VM1BBA-3		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VDD	25	Vlcd +3.3V
2	VDD	25	Vlcd +3.3V
3	U/D	25	Vlcd +3.3V (*)
4	L/R	25	Vlcd +3.3V (*)
5	VSync	20	FRP (*)
6	DTMG	21	M-Signal
7	VSS	1	GND
8	DCLK	19	CLP
9	VSS	17	GND
10	HSync	22	L/P (*)
11	VSS	8	GND
12	B5	15	B5
13	B4	16	B4
14	B3	9	B3
15	VSS	8	GND
16	B2	10	B2
17	B1	11	B1
18	B0	12	B0
19	VSS	17	GND
20	G5	4	G5
21	G4	5	G4
22	G3	6	G3
23	VSS	24	GND
24	G2	7	G2
25	G1	13	G1
26	G0	14	G0

TX14D14VM1BBA-3		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	VSS	28	GND
28	R5	34	R5
29	R4	33	R4
30	R3	32	R3
31	VSS	28	GND
32	R2	31	R2
33	R1	2	R1
34	R0	3	R0
35	Mode	25	VLCD 3,3V (*)
36	VSS	28	GND
37	XT (*)		
38	YL (*)		
39	XB (*)		
40	YR (*)		

(*) See data-sheet

2.3.13 Hitachi TX14D17VM1BAB

TFT Display: 5,7", 3.3V
 Resolution: 640 x 480 pixels
 Corresponding adapter: NetDCU-ADP/TX2

TX14D17VM1BAB		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2/3/4	
Pin	Meaning	Pin	Meaning
1	VDD	25	Vlcd +3.3V
2	VDD	25	Vlcd +3.3V
3	U/D	25	Vlcd +3.3V (*)
4	L/R	25	Vlcd +3.3V (*)
5	VSync	20	FRP (*)
6	DTMG	21	M-Signal
7	VSS	1	GND
8	DCLK	19	CLP
9	VSS	17	GND
10	HSync	22	L/P (*)
11	VSS	8	GND
12	B5	15	B5
13	B4	16	B4
14	B3	9	B3
15	VSS	8	GND
16	B2	10	B2
17	B1	11	B1
18	B0	12	B0
19	VSS	17	GND
20	G5	4	G5
21	G4	5	G4
22	G3	6	G3
23	VSS	24	GND
24	G2	7	G2
25	G1	13	G1
26	G0	14	G0

TX14D17VM1BAB		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2/3/4	
Pin	Meaning	Pin	Meaning
27	VSS	28	GND
28	R5	34	R5
29	R4	33	R4
30	R3	32	R3
31	VSS	28	GND
32	R2	31	R2
33	R1	2	R1
34	R0	3	R0
35	Mode	28	GND (*)
36	VSS	28	GND
37	NC		
38	NC		
39	NC		
40	NC		

(*) See data-sheet

2.3.14 Hitachi TX31D58

TFT Display: 3.3V
 Resolution: 800 x 480 pixels
 Corresponding adapter: -

TX31D58		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
1	VDD	25	VLCD
2	VDD	25	VLCD
3	VDD	25	VLCD
4	VSS	1	GND
5	VSS	1	GND
6	DTMG	21	M
7	VSS	8	GND
8	B7	15	B5
9	B6	16	B4
10	B5	9	B3
11	B4	10	B2
12	VSS	17	GND
13	B3	11	B1
14	B2	12	B0
15	B1	15	B5
16	B0	16	B4
17	VSS	17	GND
18	G7	4	G5
19	G6	5	G4
20	G5	6	G3
21	G4	7	G2
22	VSS	28	GND
23	G3	13	G1
24	G2	14	G0
25	G1	4	G5
26	G0	5	G4
27	VSS	28	GND

TX31D58		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
28	R7	34	R5
29	R6	33	R4
30	R5	32	R3
31	R4	31	R2
32	VSS	28	GND
33	R3	2	R1
34	R2	3	R0
35	R1	34	R5
36	R0	33	R4
37	VSS	28	GND
38	DCLK	19	CLP
39	VSS	28	GND
40	VSS	28	GND

(*) See data-sheet

2.3.15 Hitachi TX16

TFT Display: 3.3V
 Resolution: 640 x 240 pixels
 Corresponding adapter: NetDCU-ADP/TX2

TX16		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VDD	25	Vlcd
2	VDD	25	Vlcd
3	VDD	25	Vlcd
4	VDD	25	Vlcd
5	NC	-	
6	DTMG	21	M-Signal
7	VSS	1	GND
8	DCLK	19	CLP
9	VSS	1	GND
10	NC	-	
11	VSS	8	GND
12	B5	15	B5
13	B4	16	B4
14	B3	9	B3
15	VSS	8	GND
16	B2	10	B2
17	B1	11	B1
18	B0	12	B0
19	VSS	17	GND
20	G5	4	G5
21	G4	5	G4
22	G3	6	G3
23	VSS	17	GND
24	G2	7	G2
25	G1	13	G1
26	G0	14	G0

TX16		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	VSS	24	GND
28	R5	34	R5
29	R4	33	R4
30	R3	32	R3
31	VSS	28	GND
32	R2	31	R2
33	R1	2	R1
34	R0	3	R0
35	Test	-	
36	VSS	28	GND
37	XT (*)		Touch
38	YL (*)		Touch
39	XB (*)		Touch
40	YR (*)		Touch

(*) See data-sheet

2.3.16 Hitachi TX20D16VM

TFT Display: 3.3V
 Resolution: 800 x 480 pixels
 Corresponding adapter: NetDCU-ADP/TX2

TX20D16VM		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
1	VDD	25	Vlcd
2	VDD	25	Vlcd
3	VDD	25	Vlcd
4	VDD	25	Vlcd
5	NC	-	
6	DTMG	21	M-Signal
7	VSS	1	GND
8	NC	-	
9	VSS	8	GND
10	(IC)	-	
11	VSS	8	GND
12	B5	15	B5
13	B4	16	B4
14	B3	9	B3
15	VSS	8	GND
16	B2	10	B2
17	B1	11	B1
18	B0	12	B0
19	VSS	17	GND
20	G5	4	G5
21	G4	5	G4
22	G3	6	G3
23	VSS	17	GND
24	G2	7	G2
25	G1	13	G1
26	G0	14	G0
27	VSS	24	GND

TX20D16VM		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
28	R5	34	R5
29	R4	33	R4
30	R3	32	R3
31	VSS	24	GND
32	R2	31	R2
33	R1	2	R1
34	R0	3	R0
35	(IC)	-	
36	VSS	28	GND
37	VSS	28	GND
38	DCLK	19	CLP
39	VSS	28	GND
40	VSS	28	GND

2.3.17 Hitachi TX18D16VM1CAA-1

TFT Display: 3.3V
 Resolution: 800 x 480 pixels
 Corresponding adapter: NetDCU-ADP/TX2

TX18D16VM1CAA-1		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
1	VDD	25	Vlcd
2	VDD	25	Vlcd
3	VDD	25	Vlcd
4	VDD	25	Vlcd
5	NC	-	
6	DTMG	21	M-Signal
7	VSS	1	GND
8	NC	-	
9	VSS	8	GND
10	(IC)	-	
11	VSS	8	GND
12	B5	15	B5
13	B4	16	B4
14	B3	9	B3
15	VSS	8	GND
16	B2	10	B2
17	B1	11	B1
18	B0	12	B0
19	VSS	17	GND
20	G5	4	G5
21	G4	5	G4
22	G3	6	G3
23	VSS	17	GND
24	G2	7	G2

TX18D16VM1CAA-1		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
25	G1	13	G1
26	G0	14	G0
27	VSS	24	GND
28	R5	34	R5
29	R4	33	R4
30	R3	32	R3
31	VSS	24	GND
32	R2	31	R2
33	R1	2	R1
34	R0	3	R0
35	(IC)	-	
36	VSS	28	GND
37	VSS	28	GND
38	DCLK	19	CLP
39	VSS	28	GND
40	VSS	28	GND

2.3.18 Hitachi TX18D35VM0

TFT Display: 3.3V
 Resolution: 800 x 480 pixels
 Corresponding adapter: NetDCU-ADP/TX2
 Jumper J5

TX18D35VM0		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
1	VDD	25	Vlcd
2	VDD	25	Vlcd
3	L/R	25	Vlcd*
4	U/D	25	Vlcd*
5	NC	-	
6	DTMG	21	M-Signal
7	VSS	1	GND
8	DCLK	19	CLP
9	VSS	8	GND
10	NC	-	
11	VSS	8	GND
12	B5	15	B5
13	B4	16	B4
14	B3	9	B3
15	VSS	8	GND
16	B2	10	B2
17	B1	11	B1
18	B0	12	B0
19	VSS	17	GND
20	G5	4	G5
21	G4	5	G4
22	G3	6	G3
23	VSS	17	GND
24	G2	7	G2
25	G1	13	G1
26	G0	14	G0

TX18D35VM0		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
27	VSS	24	GND
28	R5	34	R5
29	R4	33	R4
30	R3	32	R3
31	VSS	24	GND
32	R2	31	R2
33	R1	2	R1
34	R0	3	R0
35	GND	-	
36	DIM	-	Extern*
37	NC	-	
38	NC	-	
39	NC	-	
40	NC	-	

* See data-sheet.

2.3.19 Hitachi TX26D02VM1CAA-2

TFT Display: 3.3V
 Resolution: 640 x 480 pixels
 Corresponding adapter: -

TX26D02VM1CAA-2		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VSS	1	GND
2	DCLK	19	CLP
3	NC	-	
4	NC	-	
5	VSS	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	VSS	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	VSS	17	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5

TX26D02VM1CAA-2		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	VSS	24	GND
27	DTMG	21	M-Signal
28	VDD	25	VLCD
29	VDD	25	VLCD
30	Test	-	
31	NC	-	
32	VSS	28	GND

2.3.20 Hitachi TX06D57VM0AAA

TFT Display: 2.8V (F&S offer 3.3V only)
 Resolution: 240 x 320 pixels
 Corresponding adapter: STARTTX06D57 (from Hitachi)

STARTTX06D57		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	0V	1	GND
2	NC	-	
3	5V	30	Extern +5V
4	3,3V	25	VLCD
5	0V	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	0V	17	GND
11	R4	33	R4
12	R5	34	R5
13	G0	14	G0
14	G1	13	G1
15	0V	17	GND
16	G2	7	G2
17	G3	6	G3
18	G4	5	G4
19	G5	4	G5
20	0V	24	GND
21	B0	12	B0
22	B1	11	B1
23	B2	10	B2
24	B3	9	B3
25	0V	24	GND
26	B4	16	B4

STARTTX06D57		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	B5	15	B5
28	LCD-VSYNC	20	FRP (framepulse)
29	LED-PWM	-	d.c.for non PWM dimming
30	LCD-HSYNC	22	LIP (linepulse)
31	0V	28	GND
32	LCD-DCLK	19	CLP
33	0V	28	GND
34	LCD-ON	-	

2.3.21 Hitachi TX07D09

TFT Display: 3,3 V
 Resolution: 240 x 320 pixels
 Corresponding adapter: -

TX07D09		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VSS	1	GND
2	VCOM	ext.	extern
3	VSS	1	GND
4	MOUT	ext.	extern
5	VSS	1	GND
6	NC	-	-
7	NC	-	-
8	NC	-	-
9	VCC	25	VLCD
10	DCLK	19	CLP
11	NC	-	-
12	VSS	8	GND
13	D20	3	R0
14	D21	2	R1
15	D22	31	R2
16	D23	32	R3
17	D24	33	R4
18	D25	34	R5
19	D10	14	G0
20	D11	13	G1
21	D12	7	G2
22	D13	6	G3
23	D14	5	G4
24	D15	4	G5
25	D00	12	B0
26	D01	11	B1

TX07D09		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	D02	10	B2
28	D03	9	B3
29	D04	16	B4
30	D05	15	B5
31	VSS	28	GND
32	VDH	ext.	ext.
33	HSYNC	22	LIP
34	VGL	ext.	ext.
35	NC	-	-
36	VGH	ext.	ext.
37	VSYNC	20	FRP
38	VSS	24	GND
39	NC	-	-
40	NC	-	-
41	NC	-	-
42	NC	-	-
43	VSS	28	GND
44	CATHODE	ext.	ext.
45	ANODE	ext.	ext.

2.3.22 Hitachi TX23D12VM0CBA-2

TFT Display: 3.3V
 Resolution: 800 x 480 pixels
 Corresponding adapter: NetDCU-ADP/TX2

TX23D12VM0CBA-2		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
1	VDD	25	Vlcd
2	VDD	25	Vlcd
3	VDD	25	Vlcd
4	VDD	25	Vlcd
5	NC	-	
6	DTMG	21	M-Signal
7	VSS	1	GND
8	NC	-	
9	VSS	8	GND
10	(IC)	-	
11	VSS	8	GND
12	B5	15	B5
13	B4	16	B4
14	B3	9	B3
15	VSS	8	GND
16	B2	10	B2
17	B1	11	B1
18	B0	12	B0
19	VSS	17	GND
20	G5	4	G5
21	G4	5	G4
22	G3	6	G3
23	VSS	17	GND
24	G2	7	G2
25	G1	13	G1
26	G0	14	G0
27	VSS	24	GND

TX23D12VM0CBA-2		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
28	R5	34	R5
29	R4	33	R4
30	R3	32	R3
31	VSS	24	GND
32	R2	31	R2
33	R1	2	R1
34	R0	3	R0
35	(IC)	-	
36	VSS	28	GND
37	VSS	28	GND
38	DCLK	19	CLP
39	VSS	28	GND
40	VSS	28	GND

2.3.23 Hitachi TX11D06VM2

TFT Display: 4,3", 3.3V
 Resolution: 480 x 272 pixels
 Corresponding adapter: -

TX11D06VM2		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2/3/4	
Pin	Meaning	Pin	Meaning
1	CA		extern
2	AN		extern
3	GND	1	GND
4	VDD	25	VLCD
5	R0	33	R4
6	R1	34	R5
7	R2	3	R0
8	R3	2	R1
9	R4	31	R2
10	R5	32	R3
11	R6	33	R4
12	R7	34	R5
13	G0	5	G4
14	G1	4	G5
15	G2	14	G0
16	G3	13	G1
17	G4	7	G2
18	G5	6	G3
19	G6	5	G4
20	G7	4	G5
21	B0	16	B4
22	B1	15	B5
23	B2	12	B0
24	B3	11	B1

TX11D06VM2		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2/3/4	
Pin	Meaning	Pin	Meaning
25	B4	10	B2
26	B5	9	B3
27	B6	16	B4
28	B7	15	B5
29	GND	24	GND
30	DCLK	19	CLP
31	DISP	25	VLCD
32	NC		-
33	NC		-
34	DE	21	M
35	NC	-	
36	GND	28	GND
37	NC	-	
38	NC	-	
39	NC	-	
40	NC	-	

2.3.24 Hitachi TX17D01VM2CPA-1

TFT Display: 6,5", 3.3V
Resolution: 640 x 480 pixels
Corresponding adapter: -

TX17D01VM2CPA-1		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CLK	19	CLP
3	HSYNC	-	DE-Mode nc
4	VSYNC	20	FRP
5	GND	1	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	8	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	17	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5
26	GND	28	GND
27	DE	21	M

TX17D01VM2CPA-1		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
28	VDD	25	VLCD
29	VDD	25	VLCD
30	DIM	28	GND
31	SD	-	nc

2.4 NAN-YA

2.4.1 Nan-Ya LMX32-27A

STN Display: 5V, VEE-
Resolution: 320 x 240 pixels
Corresponding adapter: -

LMX32-27A		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	D0	9	D0
2	D1	10	D1
3	D2	11	D2
4	D3	12	D3
5	DOFF	23	DEN
6	FLM	20	FRP
7	N.C.	-	
8	CL1	22	LIP
9	CL2	19	CLP
10	VDD	25	VLCD
11	VSS	24	GND
12	VEE	26	-VEE (about -22V)
13	V0	27	VADJ (about -17V)
14	VSS	-	

2.4.2 Nan-Ya LVC752779VST

STN Display: 3,3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: -

LVC752779VST		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VBL-	ext	extern
2	VBL-	ext	extern
3	VBL+	ext	extern
4	VBL+	ext	extern
5	NC	-	-
6	/RESET	ext	extern
7	NC	-	-
8	NC	-	-
9	NC	-	-
10	NC	-	-
11	NC	-	-
12	B0	-	-
13	B1	-	-
14	B2	12	B0
15	B3	11	B1
16	B4	10	B2
17	B5	9	B3
18	B6	16	B4
19	B7	15	B5
20	G0	-	-
21	G1	-	-
22	G2	14	G0
23	G3	13	G1
24	G4	7	G2
25	G5	6	G3
26	G6	5	G4

LVC752779VST		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	G7	4	G5
28	R0	-	-
29	R1	-	-
30	R2	3	R0
31	R3	2	R1
32	R4	31	R2
33	R5	32	R3
34	R6	33	R4
35	R7	34	R5
36	HSYNC	22	LIP
37	VSYNC	20	FRP
38	DCLK	19	CLP
39	NC	-	-
40	NC	-	-
41	VCC	25	VLCD
42	VCC	25	VLCD
43	SPENA	ext	extern
44	NC	-	-
45	NC	-	-
46	NC	-	-
47	NC	-	-
48	GND	24	GND
49	SPCLK	ext	extern
50	SPDAT	ext	extern
51	NC	-	-
52	ENB	21	M
53	GND	28	GND
54	GND	28	GND

2.5 Prime-View

2.5.1 Prime-View PD064VT3

TFT Display: 6.4", 5V
Resolution: 640 x 480 pixels
Corresponding adapter: -

PD064VT3		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	CLK	19	CLP
2	Hsync	22	LIP
3	Vsync	20	FRM
4	GND	1	GND
5	R0	3	R0
6	R1	2	R1
7	R2	31	R2
8	R3	32	R3
9	R4	33	R4
10	R5	34	R5
11	GND	17	GND
12	G0	14	G0
13	G1	13	G1
14	G2	7	G2
15	G3	6	G3
16	G4	5	G4
17	G5	4	G5
18	GND	8	GND
19	B0	12	B0
20	B1	11	B1
21	B2	10	B2
22	B3	9	B3
23	B4	16	B4
24	B5	15	B5

PD064VT3		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
25	GND	24	GND
26	DENB	21	M-Signal
27	V _{CC}	25	V _{LCD} (3.3 V)
28	V _{CC}	25	V _{LCD} (3.3 V)
29	R/L U/D (*)	25	V _{CC}
30	GND	28	GND

(*) See data-sheet.

2.5.2 Prime-View PD104VT2

TFT Display: 10.4", 3.3V
 Resolution: 640 x 480 pixels
 Corresponding adapter: -

PD104VT2		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CLK	19	CLP
3	Hsync	22	LIP
4	Vsync	20	FRP
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5
26	GND	28	GND

PD104VT2		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	DENB	21	M-Signal
28	VCC	25	VLCD
29	VCC	25	VLCD
30	R/L U/D (*)	-	
31	GND	28	GND

(*) See data-sheet.

2.5.3 Prime-View PD104VT3

TFT Display: 10.4", 3.3V
 Resolution: 640 x 480 pixels
 Corresponding adapter: -

PD104VT2		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	CLK	19	CLP
2	Hsync	22	LIP
3	Vsync	20	FRP
4	GND	8	GND
5	R0	3	R0
6	R1	2	R1
7	R2	31	R2
8	R3	32	R3
9	R4	33	R4
10	R5	34	R5
11	GND	17	GND
12	G0	14	G0
13	G1	13	G1
14	G2	7	G2
15	G3	6	G3
16	G4	5	G4
17	G5	4	G5
18	GND	24	GND
19	B0	12	B0
20	B1	11	B1
21	B2	10	B2
22	B3	9	B3
23	B4	16	B4
24	B5	15	B5
25	GND	28	GND
26	DENB	21	M-Signal

PD104VT2		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	VCC	25	VLCD
28	VCC	25	VLCD
29	R/L U/D (*)	25	VLCD
30	GND	28	GND

(*) See data-sheet.

2.5.4 Prime-View PD064VT4W1

TFT Display: 6.4", 5V
 Resolution: 640 x 480 pixels
 Corresponding adapter: -

PD064VT4W1		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CLK	19	CLP
3	Hsync	22	LIP
4	Vsync	20	FRP
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	G5	34	R5
12	GND	-	
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	17	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	G5	15	B5
26	GND	24	GND

PD064VT4W1		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	DENB	21	M-Signal
28	V _{CC}	25	VLCD
29	V _{CC}	25	VLCD
30	R/L (*)	25	VLCD
31	U/D (*)	28	GND

(*) See data-sheet.

2.5.5 Prime-View PD057VU1

TFT Display: 5,7", 3.3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: NetDCU-ADP/UNI-TFT
 (Jumper R2,4,6)

PD057VU1		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	Hsync	22	LIP
4	Vsync	20	FRP
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5

PD057VU1		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	GND	24	GND
27	ENAB	21	M-Signal
28	V _{DD}	25	VLCD
29	V _{DD}	25	VLCD
30	R/L (*)	28	GND
31	U/D (*)	28	GND
32	V/Q (*)	28	GND
33	GND	28	GND

(*) See data-sheet.

2.5.6 Prime-View PD057VU5

TFT Display: 5.7", 3.3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: NetDCU-ADP/UNI-TFT
 (Jumper R2,4,6)

PD057VU5		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	Hsync	22	LIP
4	Vsync	20	FRP
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5

PD057VU5		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	GND	28	GND
27	ENAB	21	M-Signal
28	VCC	25	VLCD
29	VCC	25	VLCD
30	R/L(*)	28	GND
31	U/D(*)	25	VLCD
32	V/Q(*)	28	GND
33	GND	28	GND

(*) See data-sheet.

2.5.7 Prime-View PD035VX2

TFT Display: (with Timing-Control LT035V2) 3.5", 3.3V

Resolution: 640x480 pixels

Corresponding adapter: -

PD035VX2		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND_D	1	GND
2	CLK	19	CLP
3	Hsync	22	LIP
4	Vsync	20	FRP
5	GND_D	1	GND
6	RI0	3	R0
7	RI1	2	R1
8	RI2	31	R2
9	RI3	32	R3
10	RI4	33	R4
11	RI5	34	R5
12	GND_D	17	GND
13	GI0	14	G0
14	GI1	13	G1
15	GI2	7	G2
16	GI3	6	G3
17	GI4	5	G4
18	GI5	4	G5
19	GND_D	8	GND
20	BI0	12	B0
21	BI1	11	B1
22	BI2	10	B2
23	BI3	9	B3
24	BI4	16	B4
25	BI5	15	B5
26	GND_D	24	GND

PD035VX2		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	DE	21	M
28	VCC	25	VLCD
29	VCC	25	VLCD
30	R/L	25	VLCD
31	U/D	28	GND

(*) See data-sheet.

2.5.8 Prime-View PM070WT2

TFT Display: 3.3V
Resolution: 800x480 pixels
Corresponding adapter: -

PM070WT2		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
1	CLK	19	CLP
2	Hsync	22	LIP
3	Vsync	20	FRP
4	GND	1	GND
5	R0	3	R0
6	R1	2	R1
7	R2	31	R2
8	R3	32	R3
9	R4	33	R4
10	R5	34	R5
11	GND	8	GND
12	G0	14	G0
13	G1	13	G1
14	G2	7	G2
15	G3	6	G3
16	G4	5	G4
17	G5	4	G5
18	GND	17	GND
19	B0	12	B0
20	B1	11	B1
21	B2	10	B2
22	B3	9	B3
23	B4	16	B4
24	B5	15	B5
25	GND	24	GND
26	DENB	21	M
27	VCC	25	VLCD

PM070WT2		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
28	VCC	25	VLCD
29	R/L	25	VLCD
30	U/D	28	GND

(*) See data-sheet.

2.6 NEC

2.6.1 NEC NL3224BC35-20

TFT Display: 5.7", 3.3V
Resolution: 320 x 240 pixels
Corresponding adapter: NetDCU-ADP/UNI-TFT
(Jumper R6)

NL3224BC35-20		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CLK	19	CLP
3	H _{SYNC}	22	LIP
4	V _{SYNC}	20	FRM
5	GND	1	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	17	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3

NL3224BC35-20		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
24	B4	16	B4
25	B5	15	B5
26	GND	24	GND
27	DE	21	M-Signal
28	V _{CC} (*)	25	V _{LCD} (3.3 or 5V)
29	V _{CC} (*)	25	V _{LCD} (3.3 or 5V)
30	DPSH (*)	25/28	V _{CC} /GND
31	DPSV (*)	25/28	V _{CC} /GND
32	PNS (*)	25/28	V _{CC} /GND
33	GND	28	GND

(*) See data-sheet.

2.6.2 NEC NL2432HC22

TFT Display: 3.5", 3.3V
 Resolution: 240 x 320 pixels
 Corresponding adapter: -

NL2432HC22		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	GND	1	GND
3	VCC	25	VLCD
4	VCC	25	VLCD
5	VCC	25	VLCD
6	VCC	25	VLCD
7	GND	8	GND
8	Reset	-	
9	HSYNC	22	LIP
10	VSYNC	20	FRP
11	CLK	19	CLP
12	GND	17	GND
13	D00	12	D0
14	D01	11	D1
15	D02	10	D2
16	D03	9	D3
17	D04	16	D4
18	D05	15	D5
19	D10	14	D10
20	D11	13	D11
21	D12	7	D12
22	D13	6	D13
23	D14	5	D14
24	D15	4	D15
25	D20	3	D20
26	D21	2	D21

NL2432HC22		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	D22	31	D22
28	D23	32	D23
29	D24	33	D24
30	D25	34	D25
31	GND	24	GND
32	SCL	-	
33	SI	-	
34	RSVD	-	
35	/CS	-	
36	VCOMIN	-	
37	N.C.	-	
38	GND	-	
39	N.C.	-	
40	N.C.	-	
41	N.C.	-	
42	N.C.	-	
43	GND	28	GND
44	ANODE	-	
45	CATHODE	-	

(*) See data-sheet.

2.6.3 NEC NL8060BC26-17/ BC26-27

TFT Display: 10.4", 3.3V

Resolution: 800 x 600 pixels

Corresponding adapter: NetDCU-ADP/UNI-TFT & B.MKAB.21

NL8060BC26-17/ BC26-27		NetDCU10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CLK	19	CLP
3	GND	-	
4	Hsync	22	LIP
5	Vsync	20	FRP
6	GND	-	
7	GND	-	
8	GND	-	
9	R0	3	R0
10	R1	2	R1
11	R2	31	R2
12	GND	-	
13	R3	32	R3
14	R4	33	R4
15	R5	34	R5
16	GND	8	GND
17	GND	-	
18	GND	-	
19	G0	14	G0
20	G1	13	G1
21	G2	7	G2
22	GND	17	GND
23	G3	6	G3
24	G4	5	G4
25	G5	4	G5
26	GND	-	
27	GND	-	

NL8060BC26-17/ BC26-27		NetDCU10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
28	GND	-	
29	B0	12	B0
30	B1	11	B1
31	B2	10	B2
32	GND	24	GND
33	B3	9	B3
34	B4	16	B4
35	B5	15	B5
36	GND	28	GND
37	DE	21	M Signal
38	DPS (*)	25	VLCD
39	VCC	25	VLCD
40	VCC	25	VLCD
41	Mode/ NC (*)	-	

(*) See data-sheet.

2.6.4 NEC NL6448BC20-08

TFT Display: 6.4", 3.3V or 5V
 Resolution: 640 x 480 pixels
 Corresponding Adapter: B.MKAB.16 & NetDCU-ADP/UNI-TFT

NL6448BC20-08		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CLK	19	CLP
3	H _{SYNC}	22	LIP
4	V _{SYNC}	20	FRP
5	GND	1	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	8	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5

NL6448BC20-08		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	GND	24	GND
27	DE	21	M-Signal
28	V _{CC}	25	V _{LCD} (+3.3V or +5V)
29	V _{CC}	25	V _{LCD} (+3.3V or +5V)
30	NC	-	-
31	NC	-	-

2.6.5 NEC NL8060BC26-30D

TFT Display: 10,4", 1 port LVDS, 3.3V

Resolution: 800 x 600 pixels

Corresponding Adapter: NetDCU-ADP/LVDS1

NL8060BC26-30D		NetDCU11 PicoMOD4/6	
Pin	Meaning	Pin	Meaning
1	GND	16	GND
2	GND	16	GND
3	DPS	-	-
4	GND	14	GND
5	GND	14	GND
6	CK+	15	TxCLK+
7	CK-	13	TxCLK-
8	GND	12	GND
9	D2+	11	Tx2+
10	D2-	9	Tx2-
11	GND	10	GND
12	D1+	7	Tx1+
13	D1-	5	Tx1-
14	GND	8	GND
15	D0+	3	Tx0+
16	D0-	1	Tx0-
17	GND	6	GND
18	GND	6	GND
19	VCC	4	V lcd
20	VCC	2	V lcd

2.6.6 NEC NL8060BC31-28D

TFT Display 12,1", 1 port LVDS

Resolution: 800 x 600 pixels, 3,3V

Corresponding Adapter: NetDCU-ADP/LVDS1

NL8060BC31-28D		NetDCU11 PicoMOD4/6	
Pin	Meaning	Pin	Meaning
1	GND	16	GND
2	GND	16	GND
3	DPS	-	-
4	GND	14	GND
5	GND	14	GND
6	CK+	15	TxCLK+
7	CK-	13	TxCLK-
8	GND	12	GND
9	D2+	11	Tx2+
10	D2-	9	Tx2-
11	GND	10	GND
12	D1+	7	Tx1+
13	D1-	5	Tx1-
14	GND	8	GND
15	D0+	3	Tx0+
16	D0-	1	Tx0-
17	GND	6	GND
18	GND	6	GND
19	VCC	4	V lcd
20	VCC	2	V lcd

2.7 Toshiba

2.7.1 Toshiba LTM10C210

TFT Display: 10", 5V
Resolution: 640 x 480 pixels
Corresponding adapter: -

LTM10C210		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	NCLK	19	CLP
3	GND	1	GND
4	R0	3	R0
5	R1	2	R1
6	R2	31	R2
7	GND	8	GND
8	R3	32	R3
9	R4	33	R4
10	R5	34	R5
11	GND	8	GND
12	G0	14	G0
13	G1	13	G1
14	G2	7	G2
15	GND	17	GND
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	17	GND
20	ENAB	21	M-Signal
21	GND	28	GND
22	B0	12	B0
23	B1	11	B1
24	B2	10	B2

LTM10C210		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
25	GND	28	GND
26	B3	9	B3
27	B4	16	B4
28	B5	15	B5
29	GND	28	GND
30	V _{DD}	25	V _{LCD} (+5V)
31	V _{DD}	25	V _{LCD} (+5 V)

2.7.2 Toshiba LTD104C11S

TFT Display: 10.4", 3.3V or 5V

Resolution: 640 x 480 pixels

Corresponding adapter:.-

LTD104C11S		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	NCLK	19	CLP
3	Hsync	22	LIP
4	Vsync	20	FRP
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5
26	DE	21	M

LTD104C11S		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	GND	28	GND
28	VDD	25	VLCD
29	VDD	25	VLCD
30	GND	28	GND

2.7.3 Toshiba LTA057A340F

TFT Display: 3.3V
Resolution: 320 x 240 pixels
Corresponding adapter: NetDCU-ADP/UNI-TFT

LTA057A340F		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	HSYNC	22	LIP
4	VSYNC	20	FRM
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5

LTA057A340F		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	GND	28	GND
27	DE	21	M-Signal
28	VDD	25	V _{CC} (+3,3V)
29	VDD	25	V _{CC} (+3,3V)
30	R/L (*)	28	GND
31	U/D (*)	25	V _{CC}
32	NC	-	
33	GND	28	GND

(*) See data-sheet.

2.8 Optrex

2.8.1 Optrex F-51513D104

TFT Display: 10.4", 3.3V or 5V

Resolution: 640 x 480 pixels

Corresponding adapter: B.MKAB.16 & NetDCU-ADP/UNI-TFT

F51513D104		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	DCLK	19	CLP
3	HD	22	LIP
4	VD	20	FRP
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	1	GND
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	8	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	17	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4

F51513D104		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
25	B5	15	B5
26	GND	28	GND
27	DENA	21	M-Signal
28	VCC	25	VLCD
29	VCC	25	VLCD
30	Test	-	
31	SC (*)	28	GND

(*) See data-sheet.

2.8.2 Optrex T-51750GD065J

TFT Display: 6.5", 5V

Resolution: 640 x 480 pixels

Corresponding adapter: B.MKAB.16 & NetDCU-ADP/UNI-TFT

T-51750GD065J		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	DCLK	19	CLP
3	HD	22	LIP
4	VD	20	FRP
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5
26	GND	28	GND

T-51750GD065J		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	DENA	21	M-Signal
28	VCC	25	VLCD
29	VCC	25	VLCD
30	Test	-	
31	REV (*)	28	GND

(*) See data-sheet.

2.8.3 Optrex T-51512D121

TFT Display: 3,3V
 Resolution: 800 x 600 pixels
 Corresponding adapter: B.MKAB.21 & B.MLP.37
 with modifications

T-51512D121		NetDCU10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	DCLK	19	CLP
3	GND	1	GND
4	HD	22	LIP
5	VD	20	FRP
6	GND	1	GND
7	GND	1	GND
8	GND	1	GND
9	R0	3	R0
10	R1	2	R1
11	R2	31	R2
12	GND	8	GND
13	R3	32	R3
14	R4	33	R4
15	R5	34	R5
16	GND	17	GND
17	GND	17	GND
18	GND	17	GND
19	G0	14	G0
20	G1	13	G1
21	G2	7	G2
22	GND	24	GND
23	G3	6	G3
24	G4	5	G4
25	G5	4	G5
26	GND	24	GND

T-51512D121		NetDCU10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
27	GND	24	GND
28	GND	28	GND
29	B0	12	B0
30	B1	11	B1
31	B2	10	B2
32	GND	28	GND
33	B3	9	B3
34	B4	16	B4
35	B5	15	B5
36	GND	28	GND
37	DENA	21	M
38	GND	28	GND
39	VCC	25	VLCD
40	VCC	25	VLCD
41	SC	-	

(*) See data-sheet.

2.8.4 Optrex T-51638D084-FW-A-AA

TFT Display: 8.4", 3.3V

Resolution: 640 x 480 pixels

Corresponding adapter: B.MKAB.16 & NetDCU-ADP/UNI-TFT

T51638D084-FW-A-AA		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	DCLK	19	CLP
3	HD	22	LIP
4	VD	20	FRP
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5
26	GND	28	GND

T51638D084-FW-A-AA		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	DENA	21	M-Signal
28	VCC	25	VLCD
29	VCC	25	VLCD
30	Test	-	
31	REV (*)	28	GND

(*) See data-sheet.

2.8.5 Optrex T-55265GD

TFT Display: 5.7", 3.3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: NetDCU-ADP/UNI-TFT + B.MKAB.22
 (Jumper R2, 4, 6)

T-55265GD		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	HSYNC	22	LIP
4	VSYNC	20	FRM
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5

T-55265GD		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	GND	28	GND
27	ENAB	21	M-Signal
28	VCC	25	V _{CC} (+3,3V)
29	VCC	25	V _{CC} (+3,3V)
30	R/L (*)	28	GND
31	U/D (*)	25	V _{CC}
32	NC	28	GND
33	GND	28	GND

(*) See data-sheet.

2.8.6 Optrex T-55264GD

TFT Display: 5.7", 3.3V
Resolution: 320 x 240 pixels
Corresponding adapter: -

T-55264GD		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	HSYNC	22	LIP
4	VSYNC	20	FRM
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4

T-55264GD		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
25	B5	15	B5
26	GND	28	GND
27	ENAB	21	M-Signal
28	VCC	25	V _{CC} (+3,3V)
29	VCC	25	V _{CC} (+3,3V)
30	R/L (*)	28	GND
31	U/D (*)	25	V _{CC}
32	NC	28	GND
33	GND	28	GND

(*) See data-sheet.

2.9 OSD Displays

2.9.1 OSD057VA01CW

TFT Display: 5.7", 3.3V
Resolution: 640 x 480 pixels
Corresponding adapter: -

OSD057VA01CW		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	U/D	1	GND (*)
2	NC		
3	NC		
4	VCC	25	VLCD
5	VCC	25	VLCD
6	VCC	25	VLCD
7	VCC	25	VLCD
8	NC		
9	DE	21	M
10	VSS	8	GND
11	VSS	8	GND
12	ADJ		(*)
13	B5	15	B5
14	B4	16	B4
15	B3	9	B3
16	VSS	17	GND
17	B2	10	B2
18	B1	11	B1
19	B0	12	B0
20	VSS	24	GND
21	G5	4	G5
22	G4	5	G4
23	G3	6	G3
24	VSS	24	GND

OSD057VA01CW		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
25	G2	7	G2
26	G1	13	G1
27	G0	14	G0
28	VSS	24	GND
29	R5	34	R5
30	R4	33	R4
31	R3	32	R3
32	VSS	28	GND
33	R2	31	R2
34	R1	2	R1
35	R0	3	R0
36	VSS	28	GND
37	VSS	28	GND
38	DCLK	19	CLP
39	VSS	28	GND
40	L/R	25	VLCD (*)

(*) See data-sheet.

2.10 LG.Philips

2.10.1 LG.Philips LB064V2

TFT Display: 6.4", 3.3V
Resolution: 640 x 480 pixels
Corresponding adapter: -

LB064V2		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	Vss	1	GND
2	VCC	25	VLCD (3.3V)
3	VCC	25	VLCD (3.3V)
4	GND	24	GND
5	DCLK	19	CLP
6	DE	21	M
7	VSYNC	20	FRP
8	HSYNC	22	LIP
9	GND	8	GND
10	R0	3	R0
11	R1	2	R1
12	R2	31	R2
13	R3	32	R3
14	R4	33	R4
15	R5	34	R5
16	GND	28	GND
17	G0	14	G0
18	G1	13	G1
19	G2	7	G2
20	G3	6	G3
21	G4	5	G4
22	G5	4	G5
23	GND	24	GND
24	B0	12	B0

LB064V2		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
25	B1	11	B1
26	B2	10	B2
27	B3	9	B3
28	B4	16	B4
29	B5	15	B5
30	GND	17	GND

2.10.2 LG.Philips LP064V1

TFT Display: 6.4", 5V

Resolution: 640 x 480 pixels

Corresponding adapter: NetDCU-ADP/UNI-TFT

LP064V1		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	Vss	1	GND
2	CLK	19	CLP
3	H _{SYNC}	22	LIP
4	V _{SYNC}	20	FRM
5	Vss	1	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	Vss	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	Vss	8	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5
26	Vss	24	GND

LP064V1		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	DTMG	21	M-Signal
28	Vdd	25	V _{LCD} (5V DC)
29	Vdd	25	V _{LCD} (5V DC)
30	OAS	25	V _{LCD} (5V DC)
31	NC	-	-

2.10.3 LG.Philips LTE042

TFT Display: 6.4"
 Resolution: 160 x 240 pixels
 Corresponding adapter: -

LTE042T-4500-A		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	28	GND
2	R0	3	R0
3	R1	2	R1
4	R2	31	R2
5	R3	32	R3
6	R4	33	R4
7	R5	34	R5
8	G0	14	G0
9	G1	13	G1
10	G2	7	G2
11	G3	6	G3
12	G4	5	G4
13	G5	4	G5
14	B0	12	B0
15	B1	11	B1
16	B2	10	B2
17	B3	9	B3
18	B4	16	B4
19	B5	15	B5
20	Hsync	22	LIP
21	Vsync	20	FRP
22	-	-	-
23	-	-	-
24	-	-	-
25	-	-	-

LTE042T-4500-A		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	GND	1	GND
27	Vin	25	V _{LCD}
28	GND	1	GND
29	CLK	19	CLP
30	GND	1	GND

2.10.4 LG.Philips LB035Q02

TFT Display: 3.3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: -

LB035Q02		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	LED_C	ext	extern
2	LED_A	ext	extern
3	GND	1	GND
4	X1	-	-
5	Y1	-	-
6	X2	-	-
7	Y2	-	-
8	GND	8	GND
9	NC	-	-
10	VGL	ext	extern
11	VGH	ext	extern
12	NC	-	-
13	GND	17	GND
14	RESET	ext	extern
15	CS	ext	extern
16	SCL	ext	extern
17	SDI	ext	extern
18	PD0	-	-
19	PD1	-	-
20	PD2	12	B0
21	PD3	11	B1
22	PD4	10	B2
23	PD5	9	B3
24	PD6	16	B4
25	PD7	15	B5
26	PD8	-	-

LB035Q02		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	PD9	-	-
28	PD10	14	G0
29	PD11	13	G1
30	PD12	7	G2
31	PD13	6	G3
32	PD14	5	G4
33	PD15	4	G5
34	PD16	-	-
35	PD17	-	-
36	PD18	3	R0
37	PD19	2	R1
38	PD20	31	R2
39	PD21	32	R3
40	PD22	33	R4
41	PD23	34	R5
42	DOTCLK	19	CLP
43	ENABLE	21	M
44	HSYNC	22	LIP
45	VSYNC	20	FRP
46	VCI	25	VLCD
47	NC	-	-
48	VCI	25	VLCD
49	VCIM	ext	extern
50	VLCD63	ext	extern
51	NC	-	-
52	VDD	ext	extern
53	VCOML	ext	extern
54	VCIX2(J)	ext	extern
55	VCOMH	ext	extern
56	CN	ext	extern
57	CXN	ext	extern
58	CXP	ext	extern

LB035Q02		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
59	CP	ext	extern
60	GND	28	GND



2.11 AMPIRE

2.11.1 AMPIRE AM320240NTMCW

TFT Display: 5.7", 3.3V
Resolution: 320 x 240 pixels
Corresponding adapter: NetDCU/ADP/TX1 (Jumper R1)

AM320240NTMCW		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VDD	25	VLCD
2	VDD	25	VLCD
3	VDD	25	VLCD
4	VDD	25	VLCD
5	Hsync	22	LIP
6	DEN	21	M-Signal
7	VSS	1	GND
8	DCLK	19	CLP
9	VSS	8	GND
10	Vsync	20	FRP
11	VSS	17	GND
12	B5	15	B5
13	B4	16	B4
14	B3	9	B3
15	VSS	7	G2
16	B2	10	B2
17	B1	11	B1
18	B0	12	B0
19	VSS	17	GND
20	G5	4	G5
21	G4	5	G4
22	G3	6	G3
23	VSS	24	GND
24	G2	7	G2

AM320240NTMCW		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
25	G1	13	G1
2	G0	14	G0
27	VSS	24	GND
28	R5	34	R5
29	R4	33	R4
30	R3	32	R3
31	VSS	24	GND
32	R2	31	R2
33	R1	2	R1
34	R0	3	R0
35	NC	-	
36	VSS	24	GND
37	NC	-	
38	NC	-	
39	NC	-	
40	NC	-	

2.11.2 AMPIRE AT320240Q2FIQW

STN Display: 3.3V or 5V, +VEEK

Resolution: 320 x 240 pixels

Corresponding adapter: -

AT320240Q2FIQW		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	D0	9	B3
2	D1	10	B2
3	D2	11	B1
4	D3	12	B0
5	/DISPOFF	23	DEN
6	FLM	20	FRP
7	M	21	M-Signal
8	LP	22	LIP
9	CP	19	CLP
10	VCC	25	VLCD
11	VSS	28	GND
12	NC	-	
13	VCTL	18	VEKK (about 0.3V)
14	/RESET (*)	25	VLCD
15~ 19	NC	-	
20	LED_A	-	(*)
21	LED_K	-	(*)
22~ 24	NC	-	

(*) See data-sheet.

2.11.3 AMPIRE AT320240Q5

STN Display: 3.3V or 5V, +VEEK, max. 0,4V

Resolution: 320 x 240 pixels

Corresponding adapter: -

AT320240Q5		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	D0	9	D0
2	D1	10	D1
3	D2	11	D2
4	D3	12	D3
5	/DISPOFF	23	DEN
6	FLM	20	FRP
7	M	21	M-Signal
8	LP	22	LIP
9	CP	19	CLP
10	VCC	25	VLCD
11	VSS	28	GND
18	EL_ON	-	
13	VCTL	18	VEKK 0-0,5V
14	/RESET (*)	-	extern
15~ 19	NC	-	
20	LED_A	-	(*)
21	LED_K	-	(*)
22~ 24	NC	-	

(*) See data-sheet.

2.11.4 AMPIRE AM320240N1TMCW

TFT Display: 5.7", 3.3V

Resolution: 320 x 240 pixels

Corresponding adapter: NetDCU/ADP/TX1 (Jumper R1)

AM320240N1TMCW		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1~ 4	VDD	25	VLCD
5	NC	-	
6	DEN	21	M-Signal
7	VSS	1	GND
8	DCLK	19	CLP
9	VSS	8	GND
10	NC	-	
11	VSS	8	GND
12	B5	15	B5
13	B4	16	B4
14	B3	9	B3
15	VSS	17	GND
16	B2	10	B2
17	B1	11	B1
18	B0	12	B0
19	VSS	17	GND
20	G5	4	G5
21	G4	5	G4
22	G3	6	G3
23	VSS	24	GND
24	G2	7	G2
25	G1	13	G1
26	G0	14	G0
27	VSS	24	GND
28	R5	34	R5
29	R4	33	R4

AM320240N1TMCW		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
30	R3	32	R3
31	VSS	28	GND
32	R2	31	R2
33	R1	2	R1
34	R0	3	R0
35	NC	-	
36	VSS	28	GND
37	NC	-	
38	NC	-	
39	NC	-	
40	NC	-	

2.11.5 AMPIRE AM800480E2TMQW

TFT Display: 7", 3.3V
Resolution: 800 x 480 pixels
Corresponding adapter: -

AM800480E2TMQW		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
1	VSS	1	GND
2	CK	19	CLP
3	VSS	1	GND
4	R0	3	R0
5	R1	2	R1
6	R2	31	R2
7	R3	32	R3
8	R4	33	R4
9	R5	34	R5
10	VSS	8	GND
11	G0	14	G0
12	G1	13	G1
13	G2	7	G2
14	G3	6	G3
15	G4	5	G4
16	G5	4	G5
17	VSS	17	GND
18	B0	12	B0
19	B1	11	B1
20	B2	10	B2
21	B3	9	B3
22	B4	16	B4
23	B5	15	B5
24	VSS	24	GND
25	HSYNC	22	LIP
26	HENAB	21	M
27	VSYNC	20	FRP

AM800480E2TMQW		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
28	VSS	-	
29	NC	-	
30	NC	-	
31	NC	-	
32	NC	-	
33	VSS	28	GND
34	HVR	25	VLCD
35	RST	-	
36	VCC	25	VLCD
37	VCC	25	VLCD
38	VCC	25	VLCD
39	VSS	28	GND
40	VSS	28	GND

2.11.6 AMPIRE AM640480GHTNQW

TFT Display: 5,7", 3.3V

Resolution: 640 x 480 pixels

Corresponding adapter: NetDCU-ADP/TX2 +B.MKAB.23

AM640480GHTNQW		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VDD	25	Vlcd +3.3V
2	VDD	25	Vlcd +3.3V
3	U/D	25	Vlcd +3.3V (*)
4	L/R	25	Vlcd +3.3V (*)
5	VSync	20	FRP (*)
6	DTMG	21	M-Signal
7	VSS	1	GND
8	DCLK	19	CLP
9	VSS	17	GND
10	HSync	22	L/P (*)
11	VSS	8	GND
12	B5	15	B5
13	B4	16	B4
14	B3	9	B3
15	VSS	8	GND
16	B2	10	B2
17	B1	11	B1
18	B0	12	B0
19	VSS	17	GND
20	G5	4	G5
21	G4	5	G4
22	G3	6	G3
23	VSS	24	GND
24	G2	7	G2
25	G1	13	G1

AM640480GHTNQW		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	G0	14	G0
27	VSS	28	GND
28	R5	34	R5
29	R4	33	R4
30	R3	32	R3
31	VSS	28	GND
32	R2	31	R2
33	R1	2	R1
34	R0	3	R0
35	Mode	25	VLCD 3,3V (*)
36	VSS	28	GND
37	XT (*)		
38	YL (*)		
39	XB (*)		
40	YR (*)		

(*) See data-sheet

2.11.7 AMPIRE AM800480E3TMQW-T01H-A

TFT Display: 3.3V
 Resolution: 800 x 480 pixels
 Corresponding adapter: -

AM800480E3TMQW-T01H-A		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	GND	1	GND
3	NC	--	--
4	VCC	25	VLCD
5	VCC	25	VLCD
6	VCC	25	VLCD
7	VCC	25	VLCD
8	NC	--	--
9	DE	21	M
10	GND	1	GND
11	GND	1	GND
12	GND	1	GND
13	B5	15	B5
14	B4	16	B4
15	B3	9	B3
16	GND	8	GND
17	B2	10	B2
18	B1	11	B1
19	B0	12	B0
20	GND	8	GND
21	G5	4	G5
22	G4	5	G4
23	G3	6	G3
24	GND	17	GND
25	G2	7	G2
26	G1	13	G1

AM800480E3TMQW- T01H-A		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
27	G0	14	G0
28	GND	17	GND
29	R5	34	R5
30	R4	33	R4
31	R3	32	R3
32	GND	24	GND
33	R2	31	R2
34	R1	2	R1
35	R0	3	R0
36	GND	24	GND
37	GND	24	GND
38	DCLK	19	CLP
39	GND	28	GND
40	GND	28	GND

2.11.8 AMPIRE AM320240L9TNQW-T01A-H

TFT Display: 3.3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: -

AM320240L9TNQW-T01A-H		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
1	VDD	25	VLCD
2	VDD	25	VLCD
3	VDD	25	VLCD
4	VDD	25	VLCD
5	Hsync	22	LIP
6	DEN	-	no connect
7	VSS	1	GND
8	DCLK	19	CLP
9	VSS	1	GND
10	Vsync	20	FRP
11	VSS	8	GND
12	B5	15	B5
13	B4	16	B4
14	B3	9	B3
15	VSS	8	GND
16	B2	10	B2
17	B1	11	B1
18	B0	12	B0
19	VSS	17	GND
20	G5	4	G5
21	G4	5	G4
22	G3	6	G3
23	VSS	17	GND
24	G2	7	G2
25	G1	13	G1
26	G0	14	G0
27	VSS	24	GND

AM320240L9TNQW-T01A-H		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
28	R5	34	R5
29	R4	33	R4
30	R3	32	R3
31	VSS	28	GND
32	R2	31	R2
33	R1	2	R1
34	R0	3	R0
35	PWM		
36	VSS	28	GND
37	YU		
38	XL		
39	YD		
40	XR		

2.12 ARIMA

2.12.1 ARIMA MC65T01B

CSTN Display: 6.5", 3.3V, VEE+

Resolution: 640 x 240 pixels

Corresponding adapter: -

MC65T01B		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	FLM	20	FRP
2	Vss	1	GND
3	CL1	22	LIP
4	Vss	8	GND
5	CL2	19	CLP
6	VSS	8	GND
7	DISP	23	DEN
8	VDD	25	VLCD
9	VCON	18	VEEK (about +1.8V)
10	Vss	17	GND
11	D0	9	D0
12	D1	10	D1
13	D2	11	D2
14	D3	12	D3
15	Vss	24	GND
16	D4	13	D4
17	D5	14	D5
18	D6	15	D6
19	D7	16	D7
20	VSS	28	GND

2.13 POWERTIP

2.13.1 POWERTIP PH320240T-005-I-Q

TFT Display: 5.7", 3.3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: -

PH320240T-005-I-Q		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VDD	25	VLCD
2	VDD	25	VLCD
3	VDD	25	VLCD
4	VDD	25	VLCD
5	Vsync	20	FRP
6	ENB	21	M-Signal
7	VSS	1	GND
8	DCLK	19	CLP
9	VSS	8	GND
10	Hsync	22	LIP
11	B7	15	B5
12	B6	16	B4
13	B5	9	B5
14	B4	10	B2
15	B3	11	B1
16	B2	12	B0
17	B1	15	B0
18	B0	16	B0
19	G7	4	G5
20	G6	5	G4
21	G5	6	G3
22	G4	7	G2
23	G3	13	G1
24	G2	14	G0
25	G1	4	G0

PH320240T-005-I-Q		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	G0	5	G0
27	R7	34	R5
28	R6	33	R4
29	R5	32	R3
30	R4	31	R2
31	R3	2	R1
32	R2	3	R0
33	R1	34	R0
34	R0	33	R0
35	VSS	28	GND
36	VSS	28	GND
37	NC	-	-
38	NC	-	-
39	NC	-	-
40	NC	-	-

2.13.2 POWER TIP PG320240WRF-MNN-H

STN Display: 5.7", 5V, -VEE, -Vadj

Resolution: 320 x 240 pixels

Corresponding adapter: -

PG320240WRF-MNN-H		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	DB0	9	D0
2	DB1	10	D1
3	DB2	11	D2
4	DB3	12	D3
5	DISPOFF	23	DEN
6	FRAME	20	FRP
7	NC	-	
8	LOAD	22	LIP
9	CP	19	CLP
10	VDD	25	VLCD
11	VSS	24	GND
12	VEE	26	-VEE (about -22V)
13	V0	27	VADJ (about -18V)
14	VSS	28	GND

2.13.3 POWERTIP PG320240WRM-HNNIA3

STN Display: 3.8", 5V, +VEEK

Resolution: 320 x 240 pixels

Corresponding adapter: -

PG320240WRM-HNNIA3		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	FLM	20	FRP
2	M	21	M-Signal
3	CL1	22	LIP
4	CL2	19	CLP
5	/D-OFF	23	DEN
6	DB0	9	D0
7	DB1	10	D1
8	DB2	11	D2
9	DB3	12	D3
10	VDD	25	VLCD
11	VSS	24	GND
12	ADJ	29	+VEE (*)
13	VSS	24	GND
14	NC	-	
15	A	-	
16	K	-	

- (*) Important!
+VEE is in a range of +20V.
There has to be used a 100:1 divider to get 0.2V.

2.13.4 POWERTIP PH320240T-009

TFT Display: 5.7", 3.3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: NetDCU-ADP/UNI-TFT
 (Jumper R2, 4)

PH320240T-009		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	HSYNC	22	LIP
4	VSYNC	20	FRM
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5

PH320240T-009		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	GND	28	GND
27	ENAB	21	M-Signal
28	VDD	25	V _{CC} (+3,3V)
29	VDD	25	V _{CC} (+3,3V)
30	R/L (*)	28	GND
31	U/D (*)	25	V _{CC}
32	NC		
33	GND	28	GND

(*) See data-sheet.

2.13.5 POWERTIP PH640480T-001

TFT Display: 5.7", 3.3V
 Resolution: 640 x 480 pixels
 Corresponding adapter: -

PH640480T-001		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	U/D	1	GND
2	NC	-	
3	NC	-	
4	VLED	-	extern
5	VLED	-	extern
6	VLED	-	extern
7	VCC	25	VLCD
8	NC	-	
9	DE	21	M
10	VSS	8	GND
11	VSS	8	GND
12	ADJ	-	extern
13	B5	15	B5
14	B4	16	B4
15	B3	9	B3
16	VSS	17	GND
17	B2	10	B2
18	B1	11	B1
19	B0	12	B0
20	VSS	8	GND
21	G5	4	G5
22	G4	5	G4
23	G3	6	G3
24	VSS	24	GND
25	G2	7	G2
26	G1	13	G1
27	G0	14	G0

PH640480T-001		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
28	VSS	24	GND
29	R5	34	R5
30	R4	33	R4
31	R3	32	R3
32	VSS	24	GND
33	R2	31	R2
34	R1	2	R1
35	R0	3	R0

2.13.6 POWERTIP PH320240T-004

TFT Display: 3.5", 3.3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: -

PH320240T-004		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VBL-		extern
2	VBL-		extern
3	VBL+		extern
4	VBL+		extern
5	NC	-	
6	NC	-	
7	POL		extern
8	/RESET		extern
9	SPENA		extern
10	SPCLK		extern
11	SPDAT		extern
12	B0	16	B4
13	B1	15	B5
14	B2	12	B0
15	B3	11	B1
16	B4	10	B2
17	B5	9	B3
18	B6	16	B4
19	B7	15	B5
20	G0	5	G4
21	G1	4	G5
22	G2	14	G0
23	G3	13	G1
24	G4	7	G2
25	G5	6	G3
26	G6	5	G4
27	G7	4	G5

PH320240T-004		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
28	R0	33	R4
29	R1	34	R5
30	R2	3	R0
31	R3	2	R1
32	R4	31	R2
33	R5	32	R3
34	R6	33	R4
35	R7	34	R5
36	HSYNC	22	LIP
37	VSYNC	20	FRP
38	DCLK	19	CLP
39	VDD		extern
40	VDD		extern
41	VCC	25	VLCD
42	VCC	25	VLCD
43	NC	-	
44	NC	-	
45	VGL		extern
46	NC	-	
47	VGH		extern
48	NC	-	
49	NC	-	
50	NC	-	
51	VCOM		extern
52	ENB	21	M
53	GND	28	GND
54	VSS	28	GND

2.14 EDT

2.14.1 EDT ER057005/6

CSTN Display: 5.7", 3.3V
Resolution: 320 x 240 pixels
Corresponding adapter: -

ER057005/6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	FLM	20	FRP
2	CL1	22	LIP
3	CL2	19	CLP
4	DISPOFF	23	DEN
5	VDD	25	VLCD
6	VSS	28	GND
7	VCON	18	+VEEK (about +2V)
8	D0	9	D0
9	D1	10	D1
10	D2	11	D2
11	D3	12	D3
12	D4	13	D4
13	D5	14	D5
14	D6	15	D6
15	D7	16	D7
16	VSS	8	GND

2.14.2 EDT ER057000

CSTN Display: 5.7", 3.3V or 5V, +VEE

Resolution: 320 x 240 pixels

Corresponding adapter: -

ER057000		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	FLM	20	FRP
2	CL1	22	LIP
3	CL2	19	CLP
4	DISPOFF	23	DEN
5	VDD	25	VLCD
6	VSS	24	GND
7	VLCD	29	+VEE (about +28V)
8	D7	9	D7
9	D6	10	D6
10	D5	11	D5
11	D4	12	D4
12	D3	13	D3
13	D2	14	D2
14	D1	15	D1
15	D0	16	D0

2.14.3 EDT ER057001NC6

CSTN Display: 5.7", 5V
 Resolution: 320 x 240 pixels
 Corresponding adapter: -

ER057001NC6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	FLM	20	FRP
2	CL1	22	LIP
3	CL2	19	CLP
4	DISPOFF	23	DEN
5	VDD	25	VLCD
6	VSS	24	GND
7	NC	-	
8	D7	16	D7
9	D6	15	D6
10	D5	14	D5
11	D4	13	D4
12	D3	12	D3
13	D2	11	D2
14	D1	10	D1
15	D0	9	D0

2.14.4 EDT EW32F90FVW / EW32F92FLW

STN Display: 3.8", 3.3V or 5V

Resolution: 320 x 240 pixels

Corresponding adapter: -

EW32F90FVW / 92FLW		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VDD	25	VLCD
2	VSS	24	GND
3	VEE	29	+VEE (about +22V)
4	FLM	20	FRP
5	NC	-	
6	CL1	22	LIP
7	CL2	19	CLP
8	D0	9	D0
9	D1	10	D1
10	D2	11	D2
11	D3	12	D3
12	/DISPLAYOFF	23	DEN
13	VLED	-	
14	VLSS	-	

2.14.5 EDT EW32F00NMW

STN Display: 4.7", 5V, VEE-
Resolution: 320 x 240 pixels
Corresponding adapter: -

EW32F00NMW		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	FLM	20	FRP
2	CL1	22	LIP
3	CL2	19	CLP
4	M	21	M-Signal
5	V0	27	VADJ (about -18V)
6	VDD	25	VLCD
7	VSS, VLSS	24	GND
8	VEE	26	-VEE (about -22V)
9	D0	9	D0
10	D1	10	D1
11	D2	11	D2
12	D3	12	D3
13	DISPOFF	23	DEN
14	VLED	-	

2.14.6 EDT ET057001DH6

TFT Display: 5.7", 3.3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: -

ET057001DH6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	/Reset		extern
2	B7	15	B5
3	B6	16	B4
4	B5	9	B3
5	B4	10	B2
6	B3	11	B1
7	B2	12	B0
8	B1	15	B5
9	B0	16	B4
10	G7	4	G5
11	G6	5	G4
12	G5	6	G3
13	G4	7	G2
14	G3	13	G1
15	G2	14	G0
16	G1	4	G5
17	G0	5	G4
18	R7	34	R5
19	R6	33	R4
20	R5	32	R3
21	R4	31	R2
22	R3	2	R1
23	R2	3	R0
24	R1	34	R5
25	R0	33	R4
26	DCLK	19	CLP

ET057001DH6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	HSYNC	22	LIP
28	VSYNC	20	FRP
29	ENB		
30	LEDCTRL		
31	PWCTRL		
32	VCC	25	VLCD
33	VSS	28	GND

2.14.7 EDT ET035009DH6

TFT Display: 3.5", 3.3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: -

ET035009DH6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VBL-		Extern
2	VBL-		Extern
3	VBL+		Extern
4	VBL+		Extern
5	NC		
6	/Reset		extern
7	CSB		Extern
8	SCK		Extern
9	SDI		Extern
10	SDO		Extern
11	B7	15	B5
12	B6	16	B4
13	B5	9	B3
14	B4	10	B2
15	B3	11	B1
16	B2	12	B0
17	B1	15	B5
18	B0	16	B4
19	G7	4	G5
20	G6	5	G4
21	G5	6	G3
22	G4	7	G2
23	G3	13	G1
24	G2	14	G0
25	G1	4	G5
26	G0	5	G4

ET035009DH6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	R7	34	R5
28	R6	33	R4
29	R5	32	R3
30	R4	31	R2
31	R3	2	R1
32	R2	3	R0
33	R1	34	R5
34	R0	33	R4
35	DCLK	19	CLP
36	HSYNC	22	LIP
37	VSYNC	20	FRP
38	ENB		
39	VDD	25	VLCD
40	VDD	25	VLCD
41	VCC	25	VLCD
42	VCC	25	VLCD
43	NC		
44	NC		
45	NC		
46	NC		
47	SHUT	28	GND
48	NC		
49	VSS	28	GND
50	VSS	28	GND

2.14.8 EDT ET035007DM6

TFT Display: 3.5", 3.3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: -

ET035007DM6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	/Reset		extern
2	B7	15	B5
3	B6	16	B4
4	B5	9	B3
5	B4	10	B2
6	B3	11	B1
7	B2	12	B0
8	B1	15	B5
9	B0	16	B4
10	G7	4	G5
11	G6	5	G4
12	G5	6	G3
13	G4	7	G2
14	G3	13	G1
15	G2	14	G0
16	G1	4	G5
17	G0	5	G4
18	R7	34	R5
19	R6	33	R4
20	R5	32	R3
21	R4	31	R2
22	R3	2	R1
23	R2	3	R0
24	R1	34	R5
25	R0	33	R4
26	DCLK	19	CLP

ET035007DM6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	HSYNC	22	LIP
28	VSYNC	20	FRP
29	ENB	21	M
30	LEDCTRL		
31	PWCTRL		
32	VCC	25	VLCD
33	VSS	28	GND

2.14.9 EDT ET035080DH/DM6

TFT Display: 3.5", 3.3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: NetDCU-ADP/EDT1

ET035080DH/DM6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2/3/4	
Pin	Meaning	Pin	Meaning
1	VSS	1	GND
2	VSS	1	GND
3	VCC	-	Extern LED 3.3V *
4	VCC	-	Extern LED 3.3V *
5	PWCTRL	25	VLCD *
6	LEDCTRL	18	VEEK *
7	RESET	-	Extern
8	B5	15	B5
9	B4	16	B4
10	B3	9	B3
11	B2	10	B2
12	B1	11	B1
13	B0	12	B0
14	VSS	8	GND
15	G5	4	G5
16	G4	5	G4
17	G3	6	G3
18	G2	7	G2
19	G1	13	G1
20	G0	14	G0
21	VSS	17	GND
22	R5	34	R5
23	R4	33	R4
24	R3	32	R3
25	R2	31	R2
26	R1	2	R1

ET035080DH/DM6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2/3/4	
Pin	Meaning	Pin	Meaning
27	R0	3	R0
28	DCLK	19	DCLK
29	VSS	24	GND
30	HSYNC	22	HSYNC
31	VSYNC	20	VSYNC
32	ENB	21/ 28	DE or GND *
33	NC	-	
34	SHUT	28	GND *
35	VSS	28	GND
36	VDD	25	VLCD 3.3V
37	NC/ YU	-	Extern Touch Y-
38	NC/ XR	-	Extern Touch X-
39	NC/ YD	-	Extern Touch Y+
40	NC/ XL	-	Extern Touch X+

(*) See data-sheet.

2.14.10 EDT ET043000DM6

TFT Display: 4.3", 2.5V
 Resolution: 480 x 272 pixels
 Corresponding adapter: -

ET043000DM6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	GND	1	GND
3	VCC	25	VLCD 3,3 V
4	VCC	25	VLCD 3,3 V
5	R0	33	R4
6	R1	34	R5
7	R2	3	R0
8	R3	2	R1
9	R4	31	R2
10	R5	32	R3
11	R6	33	R4
12	R7	34	R5
13	G0	5	G4
14	G1	4	G5
15	G2	14	G0
16	G3	13	G1
17	G4	7	G2
18	G5	6	G3
19	G6	5	G4
20	G7	4	G5
21	B0	16	B4
22	B1	15	B5
23	B2	12	B0
24	B3	11	B1
25	B4	10	B2
26	B5	9	B3

ET043000DM6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	B6	16	B4
28	B7	15	B5
29	GND	24	GND
30	CK	19	CLP
31	DISP	23	DEN
32	Hsync	22	LIP
33	Vsync	20	FRP
34	NC	-	
35	AVDD	-	Extern 5V
36	AVDD	-	Extern 5V
37	NC	-	
38	TEST1	-	
39	TEST2 (*)	28	GND
40	TEST3 (*)	28	GND

(*) See data-sheet.

2.14.11 EDT ET043000DH6

TFT Display: 4.3", 2.5V-3,6V + (5V)

Resolution: 480 x 272 pixels

Corresponding adapter: -

ET043000DH6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VSS	1	GND
2	VSS	1	GND
3	VCC	25	VLCD 2,5-3,6 V
4	VCC	25	VLCD 2,5-3,6 V
5	R0		
6	R1		
7	R2	3	R0
8	R3	2	R1
9	R4	31	R2
10	R5	32	R3
11	R6	33	R4
12	R7	34	R5
13	G0		
14	G1		
15	G2	14	G0
16	G3	13	G1
17	G4	7	G2
18	G5	6	G3
19	G6	5	G4
20	G7	4	G5
21	B0		B4
22	B1		B5
23	B2	12	B0
24	B3	11	B1
25	B4	10	B2
26	B5	9	B3

ET043000DH6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	B6	16	B4
28	B7	15	B5
29	VSS	28	GND
30	CK	19	CLP
31	DISP	23	DEN
32	Hsync	22	LIP
33	Vsync	20	FRP
34	DE	21	M
35	AVDD	-	Extern
36	AVDD	-	Extern
37	XL	-	Extern
38	YD	-	Extern
39	XR	-	Extern
40	YU	-	Extern

(*) See data-sheet.

2.14.12 EDT ET043080DH/DM6

TFT Display: 4.3", 3.3V
 Resolution: 480 x 272 pixels
 Corresponding adapter: NetDCU-ADP/EDT1

ET043080DH/DM6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2/3/4	
Pin	Meaning	Pin	Meaning
1	VSS	1	GND
2	VSS	1	GND
3	VCC	-	Extern LED 3.3V *
4	VCC	-	Extern LED 3.3V *
5	PWCTRL	25	VLCD *
6	LEDCTRL	18	VEEK *
7	NC	-	
8	B5	15	B5
9	B4	16	B4
10	B3	9	B3
11	B2	10	B2
12	B1	11	B1
13	B0	12	B0
14	VSS	8	GND
15	G5	4	G5
16	G4	5	G4
17	G3	6	G3
18	G2	7	G2
19	G1	13	G1
20	G0	14	G0
21	VSS	17	GND
22	R5	34	R5
23	R4	33	R4
24	R3	32	R3
25	R2	31	R2
26	R1	2	R1

ET043080DH/DM6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2/3/4	
Pin	Meaning	Pin	Meaning
27	R0	3	R0
28	DCLK	19	DCLK
29	VSS	24	GND
30	HSYNC	22	HSYNC
31	VSYNC	20	VSYNC
32	ENB	21/ -	DE or NC *
33	NC	-	
34	NC	-	
35	VSS	28	GND
36	VDD	25	VLCD 3.3V
37	NC/ YU	-	Extern Touch Y-
38	NC/ XR	-	Extern Touch X-
39	NC/ YD	-	Extern Touch Y+
40	NC/ XL	-	Extern Touch X+

(*) See data-sheet.

2.14.13 EDT ET050080DH/DM6

TFT Display: 5", 3.3V
 Resolution: 800 x 480 pixels
 Corresponding adapter: NetDCU-ADP/EDT1

ET050080DH/DM6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2/3/4	
Pin	Meaning	Pin	Meaning
1	VSS	1	GND
2	VSS	1	GND
3	VCC	-	Extern LED 3.3V *
4	VCC	-	Extern LED 3.3V *
5	PWCTRL	25	VLCD *
6	LEDCTRL	18	VEEK *
7	RESET	-	Extern
8	B5	15	B5
9	B4	16	B4
10	B3	9	B3
11	B2	10	B2
12	B1	11	B1
13	B0	12	B0
14	VSS	8	GND
15	G5	4	G5
16	G4	5	G4
17	G3	6	G3
18	G2	7	G2
19	G1	13	G1
20	G0	14	G0
21	VSS	17	GND
22	R5	34	R5
23	R4	33	R4
24	R3	32	R3
25	R2	31	R2
26	R1	2	R1

ET050080DH/DM6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2/3/4	
Pin	Meaning	Pin	Meaning
27	R0	3	R0
28	DCLK	19	DCLK
29	VSS	24	GND
30	HSYNC	22	HSYNC
31	VSYNC	20	VSYNC
32	ENB	21/ 28	DE or GND *
33	NC	-	
34	STB	-	*
35	VSS	28	GND
36	VDD	25	VLCD 3.3V
37	NC/ YU	-	Extern Touch Y-
38	NC/ XR	-	Extern Touch X-
39	NC/ YD	-	Extern Touch Y+
40	NC/ XL	-	Extern Touch X+

(*) See data-sheet.

2.14.14 EDT ET057003DH6

TFT Display: 5.7", 3,3V
 Resolution: 320x240 pixels
 Corresponding adapter: -

ET057003DH6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	/Reset	-	extern
2	B7	15	B5
3	B6	16	B4
4	B5	9	B3
5	B4	10	B2
6	B3	11	B1
7	B2	12	B0
8	B1	15	B5
9	B0	16	B4
10	G7	4	G5
11	G6	5	G4
12	G5	6	G3
13	G4	7	G2
14	G3	13	G1
15	G2	14	G0
16	G1	4	G5
17	G0	5	G4
18	R7	34	R5
19	R6	33	R4
20	R5	32	R3
21	R4	31	R2
22	R3	2	R1
23	R2	3	R0
24	R1	34	R5
25	R0	33	R4

ET057003DH6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	DCLK	19	CLP
27	HSYNC	22	LIP
28	VSYNC	20	FRP
29	ENB	21	M
30	LEDCTRL	25	VLCD
31	PWCTRL	25	VLCD
32	VCC	25	VLCD
33	VSS	28	GND

(*) See data-sheet.

2.14.15 EDT ET057011DM6

TFT Display: 5.7", 3,3V
 Resolution: 320x240 pixels
 Corresponding adapter: -

ET057011DM6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VSS	1	GND
2	VSS	1	GND
3	VSS	1	GND
4	VSS	1	GND
5	/RESET	-	extern
6	B7	15	B5
7	B6	16	B4
8	B5	9	B3
9	B4	10	B2
10	B3	11	B1
11	B2	12	B0
12	B1	15	B5
13	B0	16	B4
14	G7	4	G5
15	G6	5	G4
16	G5	6	G3
17	G4	7	G2
18	G3	13	G1
19	G2	14	G0
20	G1	4	G5
21	G0	5	G4
22	R7	34	R5
23	R6	33	R4
24	R5	32	R3
25	R4	31	R2

ET057011DM6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	R3	2	R1
27	R2	3	R0
28	R1	34	R5
29	R0	33	R4
30	DCLK	19	CLP
31	HSYNC	22	LIP
32	VSYNC	20	FRP
33	ENB	21	M
34	LEDCRTL	-	extern
35	PWCTRL	25	VLCD
36	VDD	25	VLCD
37	VSS	28	GND
38	VCC	25	VLCD
39	VCC	25	VLCD
35	VCC	25	VLCD

(*) See data-sheet.

2.14.16 EDT ET057011DH6

TFT Display: 5.7", 3,3V
Resolution: 320x240 pixels
Corresponding adapter: -

ET057011DH6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VSS	1	GND
2	VSS	1	GND
3	VSS	1	GND
4	VSS	1	GND
5	/RESET	-	extern
6	B7	15	B5
7	B6	16	B4
8	B5	9	B3
9	B4	10	B2
10	B3	11	B1
11	B2	12	B0
12	B1		
13	B0		
14	G7	4	G5
15	G6	5	G4
16	G5	6	G3
17	G4	7	G2
18	G3	13	G1
19	G2	14	G0
20	G1		
21	G0		
22	R7	34	R5
23	R6	33	R4
24	R5	32	R3
25	R4	31	R2

ET057011DH6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	R3	2	R1
27	R2	1	GND
28	R1		
29	R0		
30	DCLK	19	CLP
31	HSYNC	22	LIP
32	VSYNC	20	FRP
33	ENB	21	M
34	LEDCRTL	-	extern
35	PWCTRL	25	VLCD
36	VDD	25	VLCD
37	VSS	28	GND
38	VCC	25	VLCD
39	VCC	25	VLCD
40	VCC	25	VLCD

(*) See data-sheet.

2.14.17 EDT ET057080DH/DM6

TFT Display: 5.7", 3.3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: NetDCU-ADP/EDT1

ET057080DH/DM6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2/3/4	
Pin	Meaning	Pin	Meaning
1	VSS	1	GND
2	VSS	1	GND
3	VCC	-	Extern LED 3.3V *
4	VCC	-	Extern LED 3.3V *
5	PWCTRL	25	VLCD *
6	LEDCTRL	18	VEEK *
7	RESET	-	Extern
8	B5	15	B5
9	B4	16	B4
10	B3	9	B3
11	B2	10	B2
12	B1	11	B1
13	B0	12	B0
14	VSS	8	GND
15	G5	4	G5
16	G4	5	G4
17	G3	6	G3
18	G2	7	G2
19	G1	13	G1
20	G0	14	G0
21	VSS	17	GND
22	R5	34	R5
23	R4	33	R4
24	R3	32	R3
25	R2	31	R2
26	R1	2	R1

ET057080DH/DM6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2/3/4	
Pin	Meaning	Pin	Meaning
27	R0	3	R0
28	DCLK	19	DCLK
29	VSS	24	GND
30	HSYNC	22	HSYNC
31	VSYNC	20	VSYNC
32	ENB	21/ 28	DE or GND *
33	NC	-	
34	NC	-	
35	VSS	28	GND
36	VDD	25	VLCD 3.3V
37	NC/ YU	-	Extern Touch Y-
38	NC/ XR	-	Extern Touch X-
39	NC/ YD	-	Extern Touch Y+
40	NC/ XL	-	Extern Touch X+

(*) See data-sheet.

2.14.18 EDT ET057010DMU

TFT Display: 5.7", 3,3V
 Resolution: 640x480 pixels
 Corresponding adapter: -

ET057010DMU		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	LR	25	VLCD
2	UD	1	GND
3	VSS	1	GND
4	VSS	25	VLCD
5	VDD	25	VLCD
6	VDD	25	VLCD
7	PWCTRL	25	VLCD
8	LEDCTRL	-	ext.
9	ENB	21	M
10	VSYNC	20	FRP
11	HSYNC	22	LIP
12	DCLK	19	CLP
13	VSS	8	GND
14	R0		
15	R1		
16	R2	3	R0
17	R3	2	R1
18	R4	31	R2
19	R5	32	R3
20	R6	33	R4
21	R7	34	R5
22	G0		
23	G1		
24	G2	14	G0
25	G3	13	G1

ET057010DMU		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	G4	7	G2
27	G5	6	G3
28	G6	5	G4
29	G7	4	G5
30	B0		
31	B1		
32	B2	12	B0
33	B3	11	B1
34	B4	10	B2
35	B5	9	B3
36	B6	16	B4
37	B7	15	B5
38	/RESET	-	ext.
39	VSS	28	GND
40	VCC	25	VLCD

(*) See data-sheet.

2.14.19 EDT ET057010DHU/DMU

TFT Display: 5.7", 3,3V
 Resolution: 640x480 pixels
 Corresponding adapter: -

ET057010DHU/DMU		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	LR	25	VLCD
2	UD	1	GND
3	VSS	1	GND
4	VSS	1	GND
5	VDD	25	VLCD
6	VDD	25	VLCD
7	PWCTRL	25	VLCD
8	LEDCTRL	-	extern
9	ENB	21	M
10	VSYNC	20	FRP
11	HSYNC	22	LIP
12	DCLK	19	CLP
13	VSS	8	GND
14	R0		
15	R1		
16	R2	3	R0
17	R3	2	R1
18	R4	31	R2
19	R5	32	R3
20	R6	33	R4
21	R7	34	R5
22	G0		
23	G1		
24	G2	14	G0
25	G3	13	G1
26	G4	7	G2

ET057010DHU/DMU		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	G5	6	G3
28	G6	5	GND
29	G7	4	G5
30	B0		
31	B1		
32	B2	12	B0
33	B3	11	B1
34	B4	10	B2
35	B5	9	B3
36	B6	16	B4
37	B7	15	B5
38	/Reset	-	extern
39	VSS	28	GND
40	VCC	25	VLCD

(*) See data-sheet.

2.14.20 EDT ET057090DH/DM6

TFT Display: 5.7", 3.3V
 Resolution: 640 x 480 pixels
 Corresponding adapter: NetDCU-ADP/EDT1

ET057090DH/DM6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2/3/4	
Pin	Meaning	Pin	Meaning
1	VSS	1	GND
2	VSS	1	GND
3	VCC	-	Extern LED 3.3V *
4	VCC	-	Extern LED 3.3V *
5	PWCTRL	25	VLCD *
6	LEDCTRL	18	VEEK *
7	RESET	-	Extern
8	B5	15	B5
9	B4	16	B4
10	B3	9	B3
11	B2	10	B2
12	B1	11	B1
13	B0	12	B0
14	VSS	8	GND
15	G5	4	G5
16	G4	5	G4
17	G3	6	G3
18	G2	7	G2
19	G1	13	G1
20	G0	14	G0
21	VSS	17	GND
22	R5	34	R5
23	R4	33	R4
24	R3	32	R3
25	R2	31	R2
26	R1	2	R1

ET057090DH/DM6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2/3/4	
Pin	Meaning	Pin	Meaning
27	R0	3	R0
28	DCLK	19	DCLK
29	VSS	24	GND
30	HSYNC	22	HSYNC
31	VSYNC	20	VSYNC
32	ENB	21/ 28	DE or GND *
33	ROTATE	25	VLCD *
34	NC	-	
35	VSS	28	GND
36	VDD	25	VLCD 3.3V
37	NC/ YU	-	Extern Touch Y-
38	NC/ XR	-	Extern Touch X-
39	NC/ YD	-	Extern Touch Y+
40	NC/ XL	-	Extern Touch X+

(*) See data-sheet.

2.14.21 EDT ET070000DM6

TFT Display: 7", 3,3V
 Resolution: 800x480 pixels
 Corresponding adapter: -

ET070000DM6		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
1	U/D	1	GND
2	R/L	25	VLCD
3	NC	-	
4	VCC	25	VLCD
5	VCC	25	VLCD
6	VCC	25	VLCD
7	VCC	25	VLCD
8	NC	-	
9	DE	21	M
10	VSS	8	GND
11	VSS	8	GND
12	VSS	8	GND
13	B5	15	B5
14	B4	16	B4
15	B3	9	B3
16	VSS	17	GND
17	B2	10	B2
18	B1	11	B1
19	B0	12	B0
20	VSS	-	
21	G5	4	G5
22	G4	5	G4
23	G3	6	G3
24	VSS	24	GND
25	G2	7	G2
26	G1	13	G1

ET070000DM6		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
27	G0	14	G0
28	VSS	-	
29	R5	34	R5
30	R4	33	R4
31	R3	32	R3
32	VSS	-	
33	R2	31	R2
34	R1	2	R1
35	R0	3	R0
36	VSS	28	GND
37	MODE	25	VLCD (*)
38	DCLK	19	CLP
39	HSYNC	-	
40	VSYNC	-	

(*) See data-sheet.

2.14.22 EDT ET070080DH/DM6

TFT Display: 7", 3.3V
 Resolution: 800 x 480 pixels
 Corresponding adapter: NetDCU-ADP/EDT1

ET070080DH/DM6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2/3/4	
Pin	Meaning	Pin	Meaning
1	VSS	1	GND
2	VSS	1	GND
3	VCC	-	Extern LED 3.3V *
4	VCC	-	Extern LED 3.3V *
5	PWCTRL	25	VLCD *
6	LEDCTRL	18	VEEK *
7	NC	-	
8	B5	15	B5
9	B4	16	B4
10	B3	9	B3
11	B2	10	B2
12	B1	11	B1
13	B0	12	B0
14	VSS	8	GND
15	G5	4	G5
16	G4	5	G4
17	G3	6	G3
18	G2	7	G2
19	G1	13	G1
20	G0	14	G0
21	VSS	17	GND
22	R5	34	R5
23	R4	33	R4
24	R3	32	R3
25	R2	31	R2
26	R1	2	R1

ET070080DH/DM6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2/3/4	
Pin	Meaning	Pin	Meaning
27	R0	3	R0
28	DCLK	19	DCLK
29	VSS	24	GND
30	HSYNC	22	HSYNC
31	VSYNC	20	VSYNC
32	ENB	21/ 28	DE or GND *
33	ROTATE	25	VLCD *
34	NC	-	
35	VSS	28	GND
36	VDD	25	VLCD 3.3V
37	NC/ YU	-	Extern Touch Y-
38	NC/ XR	-	Extern Touch X-
39	NC/ YD	-	Extern Touch Y+
40	NC/ XL	-	Extern Touch X+

(*) See data-sheet.

2.14.23 EDT ET057007DMU

TFT Display: 5.7", 3,3V
 Resolution: 640x480 pixels
 Corresponding adapter: -

ET057007DMU		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	LR	25	VLCD
2	UD	1	GND
3	VSS	1	GND
4	VCC	25	VLCD
5	VCC	25	VLCD
6	PWCTRL	25	VLCD
7	LEDCTRL	25	VLCD
8	ENB	21	M
9	VSYNC	20	FRP
10	HSYNC	22	LIP
11	DCLK	19	CLP
12	R0		
13	R1		
14	R2	3	R0
15	R3	2	R1
16	R4	31	R2
17	R5	32	R3
18	R6	33	R4
19	R7	34	R5
20	G0		
21	G1		
22	G2	14	G0
23	G3	13	G1
24	G4	7	G2
25	G5	6	G3

ET057007DMU		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	G6	5	G4
27	G7	4	G5
28	B0		
29	B1		
30	B2	12	B0
31	B3	11	B1
32	B4	10	B2
33	B5	9	B3
34	B6	16	B4
35	B7	15	B5
36	/RESET	-	extern
37	VSS	28	GND
38	NC	-	
39	NC	-	
40	NC	-	

(*) See data-sheet.

2.14.24 EDT ET050000DM6

TFT Display: 3,3 V
 Resolution: 800 x 480 pixels
 Corresponding adapter: -

ET050000DM6		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
1	VSS	1	GND
2	VSS	1	GND
3	VDD	25	VLCD
4	VDD	25	VLCD
5	D00	-	
6	D01	-	
7	D02	3	R0
8	D03	2	R1
9	D04	31	R2
10	D05	32	R3
11	D06	33	R4
12	D07	34	R5
13	D10	-	
14	D11	-	
15	D12	14	G0
16	D13	13	G1
17	D14	7	G2
18	D15	6	G3
19	D16	5	G4
20	D17	4	G5
21	D20	-	B4
22	D21	-	B5
23	D22	12	B0
24	D23	11	B1
25	D24	10	B2
26	D25	9	B3

ET050000DM6		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
27	D26	16	B4
28	D27	15	B5
29	VSS	17	GND
30	CLK	19	CLP
31	STB	25	VLCD
32	HS	22	LIP
33	VS	20	FRP
34	DEN	21	M
35	NC	-	
36	VSS	24	GND
37	NC	-	
38	NC	-	
39	NC	-	
40	NC	-	
41	VSS	28	GND
42	BLL	-	Extern
43	BLH	-	Extern
44	NC	-	
45	NC	-	

(*) See data-sheet.

2.14.25 EDT ETV570G2DHU

TFT Display: 5.7", 3,3 V
 Resolution: 640 x 480 pixels
 Corresponding adapter: -

ETV570G2DHU		NetDCU8/10/11 PicoMOD3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	Reset		Extern
2	VSS	1	GND
3	B5	15	B5
4	B4	16	B4
5	B3	9	B3
6	B2	10	B2
7	B1	11	B1
8	B0	12	B0
9	VSS	8	GND
10	G5	4	G5
11	G4	5	G4
12	G3	6	G3
13	G2	7	G2
14	G1	13	G1
15	G0	14	G0
16	VSS	17	GND
17	R5	34	R5
18	R4	33	R4
19	R3	32	R3
20	R2	31	R2
21	R1	2	R1
22	R0	3	R0
23	VSS	24	GND
24	DCLK	19	CLP
25	VSS	28	GND

ETV570G2DHU		NetDCU8/10/11 PicoMOD3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	HSYNC	-	NC
27	VSYNC	-	NC
28	ENB	21	M-Signal
29	PWCTRL	25	V LCD (3.3V)*
30	VDD	25	V LCD (3.3V)
31	VSS	28	GND
32	VSS	28	GND
33	VCC	25	V LCD (3.3V)
34	VCC	25	V LCD (3.3V)
35	NC	-	NC
36	LEDCTRL	-	Extern
37	YU	-	Extern (Touch)
38	XL	-	Extern (Touch)
39	YD	-	Extern (Touch)
40	XR	-	Extern (Touch)

(*) See data-sheet.

2.14.26 EDT ETM043005ADH6

TFT Display: 4.3", 3,3V
 Resolution: 480 x 272 pixels
 Corresponding adapter: -

ETM0430005ADH6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VSS	1	GND
2	VSS	1	GND
3	VCC	25	VLCD
4	VCC	25	VLCD
5	R0	33	R4
6	R1	34	R5
7	R2	3	R0
8	R3	2	R1
9	R4	31	R2
10	R5	32	R3
11	R6	33	R4
12	R7	34	R5
13	G0	5	G4
14	G1	4	G5
15	G2	14	G0
16	G3	13	G1
17	G4	7	G2
18	G5	6	G3
19	G6	5	G4
20	G7	4	G5
21	B0	16	B4
22	B1	15	B5
23	B2	12	B0
24	B3	11	B1
25	B4	10	B2

ETM0430005ADH6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	B5	9	B3
27	B6	16	B4
28	B7	15	B5
29	GND	24	GND
30	CK	19	CLP
31	DISP		NC*
32	Hsync	22	LIP
33	Vsync	20	FRP
34	DE	21	DE (M)
35	CSB	-	NC*
36	SDO	-	NC*
37	NC	-	NC
38	NC	-	NC
39	NC	-	NC
40	NC	-	NC
41	VSS	28	GND
42	VLED-K	-	Extern*
43	VLED-A	-	Extern*
44	SCL	-	NC*
45	SDI	-	NC*

(*) See data-sheet.

2.14.27 EDT ETM070001ADH6

TFT Display: 7", 3,3V
 Resolution: 800x480 pixels
 Corresponding adapter: -

ETM070001ADH6		NetDCU PicoMOD PicoCOM	
Pin	Meaning	Pin	Meaning
1	U/D	1	GND
2	R/L	25	VLCD
3	NC	-	
4	VCC	25	VLCD
5	VCC	25	VLCD
6	VCC	25	VLCD
7	VCC	25	VLCD
8	NC	-	
9	DE	21	M
10	VSS	8	GND
11	VSS	8	GND
12	VSS	8	GND
13	B5	15	B5
14	B4	16	B4
15	B3	9	B3
16	VSS	17	GND
17	B2	10	B2
18	B1	11	B1
19	B0	12	B0
20	VSS	24	GND
21	G5	4	G5
22	G4	5	G4
23	G3	6	G3
24	VSS	24	GND
25	G2	7	G2
26	G1	13	G1

ETM070001ADH6		NetDCU PicoMOD PicoCOM	
Pin	Meaning	Pin	Meaning
27	G0	14	G0
28	VSS	24	GND
29	R5	34	R5
30	R4	33	R4
31	R3	32	R3
32	VSS	28	GND
33	R2	31	R2
34	R1	2	R1
35	R0	3	R0
36	VSS	28	GND
37	NC	-	
38	DCLK	19	CLP
39	HSYNC	-	
40	VSYNC	-	

(*) See data-sheet.

2.14.28 EDT ET035080DM6

TFT Display: 3,5", 3,3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: NetDCU-ADP/EDT1

ET035080DM6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VSS	1	GND
2	VSS	1	GND
3	VCC	30	VCFL (LED-Backlight)
4	VCC	30	VCFL (LED-Backlight)
5	PWCTRL	-	extern
6	LEDCTRL	-	extern
7	/Reset	-	extern
8	B5	15	B5
9	B4	16	B4
10	B3	9	B3
11	B2	10	B2
12	B1	11	B1
13	B0	12	B0
14	VSS	8	GND
15	G5	4	G5
16	G4	5	G4
17	G3	6	G3
18	G2	7	G2
19	G1	13	G1
20	G0	14	G0
21	VSS	17	GND
22	R5	34	R5
23	R4	33	R4
24	R3	32	R3

ET035080DM6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
25	R2	31	R2
26	R1	2	R1
27	R0	3	R0
28	DCLK	19	DCLK
29	VSS	24	GND
30	HSYNC	22	HSYNC
31	VSYNC	20	VSYNC
32	ENB	21	DE
33	NC	-	NC
34	SHUT	28	GND*
35	VSS	28	GND
36	VDD	25	VLCD
37	NC	-	NC
38	NC	-	NC
39	NC	-	NC
40	NC	-	NC

(*) See data-sheet.

2.14.29 EDT ET070080DM6

TFT Display: 7", 3,3V
Resolution: 800x480 pixels
Corresponding adapter: NetDCU-ADP/EDT1

ET070080DM6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VSS	1	GND
2	VSS	1	GND
3	VCC	30	VCFL (LED-Backlight)
4	VCC	30	VCFL (LED-Backlight)
5	PWCTRL	-	extern
6	LEDCTRL	-	extern
7	NC	-	NC
8	B5	15	B5
9	B4	16	B4
10	B3	9	B3
11	B2	10	B2
12	B1	11	B1
13	B0	12	B0
14	VSS	8	GND
15	G5	4	G5
16	G4	5	G4
17	G3	6	G3
18	G2	7	G2
19	G1	13	G1
20	G0	14	G0
21	VSS	17	GND
22	R5	34	R5
23	R4	33	R4
24	R3	32	R3

ET070080DM6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
25	R2	31	R2
26	R1	2	R1
27	R0	3	R0
28	DCLK	19	DCLK
29	VSS	24	GND
30	HSYNC	22	HSYNC
31	VSYNC	20	VSYNC
32	ENB	21	DE
33	ROTATE	25	VLCD
34	NC	-	NC
35	VSS	28	GND
36	VDD	25	VLCD
37	NC	-	NC
38	NC	-	NC
39	NC	-	NC
40	NC	-	NC

(*) See data-sheet.

2.14.30 EDT ET057090DMU

TFT Display: 5,7", 3,3V
 Resolution: 640x480 pixels
 Corresponding adapter: NetDCU-ADP/EDT1

ET057090DMU		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VSS	1	GND
2	VSS	1	GND
3	VCC	30	VCFL (LED-Backlight)
4	VCC	30	VCFL (LED-Backlight)
5	PWCTRL	-	extern
6	LEDCTRL	-	extern
7	/RESET	-	NC
8	B5	15	B5
9	B4	16	B4
10	B3	9	B3
11	B2	10	B2
12	B1	11	B1
13	B0	12	B0
14	VSS	8	GND
15	G5	4	G5
16	G4	5	G4
17	G3	6	G3
18	G2	7	G2
19	G1	13	G1
20	G0	14	G0
21	VSS	17	GND
22	R5	34	R5
23	R4	33	R4
24	R3	32	R3

ET057090DMU		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
25	R2	31	R2
26	R1	2	R1
27	R0	3	R0
28	DCLK	19	DCLK
29	VSS	24	GND
30	HSYNC	22	HSYNC
31	VSYNC	20	VSYNC
32	ENB	21	DE
33	ROTATE	25	VLCD
34	NC	-	NC
35	VSS	28	GND
36	VDD	25	VLCD
37	NC	-	NC
38	NC	-	NC
39	NC	-	NC
40	NC	-	NC

(*) See data-sheet.

2.14.31 EDT ET057080DH6

TFT Display: 5,7", 3,3V
 Resolution: 320x240 pixels
 Corresponding adapter: NetDCU-ADP/EDT1

ET057080DH6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VSS	1	GND
2	VSS	1	GND
3	VCC	30	VCFL (LED-Backlight)
4	VCC	30	VCFL (LED-Backlight)
5	PWCTRL	-	extern
6	LEDCTRL	-	extern
7	/RESET	-	NC
8	B5	15	B5
9	B4	16	B4
10	B3	9	B3
11	B2	10	B2
12	B1	11	B1
13	B0	12	B0
14	VSS	8	GND
15	G5	4	G5
16	G4	5	G4
17	G3	6	G3
18	G2	7	G2
19	G1	13	G1
20	G0	14	G0
21	VSS	17	GND
22	R5	34	R5
23	R4	33	R4
24	R3	32	R3

ET057080DH6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
25	R2	31	R2
26	R1	2	R1
27	R0	3	R0
28	DCLK	19	DCLK
29	VSS	24	GND
30	HSYNC	22	HSYNC
31	VSYNC	20	VSYNC
32	ENB	21	DE
33	NC	-	NC
34	NC	-	NC
35	VSS	28	GND
36	VDD	25	VLCD
37	YU Touch	-	extern
38	XR Touch	-	extern
39	YD Touch	-	extern
40	XL Touch	-	extern

(*) See data-sheet.

2.14.32 EDT ET050080DH6

TFT Display: 5", 3,3V
 Resolution: 800x480 pixels
 Corresponding adapter: NetDCU-ADP/EDT1

ET050080DH6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VSS	1	GND
2	VSS	1	GND
3	VCC	30	VCFL (LED-Backlight)
4	VCC	30	VCFL (LED-Backlight)
5	PWCTRL	-	extern
6	LEDCTRL	-	extern
7	/RESET	-	NC
8	B5	15	B5
9	B4	16	B4
10	B3	9	B3
11	B2	10	B2
12	B1	11	B1
13	B0	12	B0
14	VSS	8	GND
15	G5	4	G5
16	G4	5	G4
17	G3	6	G3
18	G2	7	G2
19	G1	13	G1
20	G0	14	G0
21	VSS	17	GND
22	R5	34	R5
23	R4	33	R4
24	R3	32	R3

ET050080DH6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
25	R2	31	R2
26	R1	2	R1
27	R0	3	R0
28	DCLK	19	DCLK
29	VSS	24	GND
30	HSYNC	22	HSYNC
31	VSYNC	20	VSYNC
32	ENB	21	DE
33	NC	-	NC
34	STB	-	NC*
35	VSS	28	GND
36	VDD	25	VLCD
37	YU Touch	-	extern
38	XR Touch	-	extern
39	YD Touch	-	extern
40	XL Touch	-	extern

(*) See data-sheet. Pin 34 from FFC have to be open !

2.14.33 EDT ET0700G0DH6

TFT Display: 7", 3,3V
 Resolution: 800x480 pixels
 Corresponding adapter: -

EDT ET0700G0DH6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	NC	-	NC
2	VSS	1	GND
3	B5	15	B5
4	B4	16	B4
5	B3	8	B3
6	B2	10	B2
7	B1	11	B1
8	B0	12	B0
9	VSS	8	GND
10	G5	4	G5
11	G4	5	G4
12	G3	6	G3
13	G2	7	G2
14	G1	13	G1
15	G0	14	G0
16	VSS	17	GND
17	R5	34	R5
18	R4	33	R4
19	R3	32	R3
20	R2	31	R2
21	R1	2	R1
22	R0	3	R0
23	VSS	24	GND
24	DCLK	19	CLP
25	VSS	24	GND

EDT ET0700G0DH6		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	HSYNC	22	LIP
27	VSYNC	20	FRP
28	ENB	21	M
29	PWCRTL	25	VLCD
30	VDD	25	VLCD
31	VSS	28	GND
32	VSS	28	GND
33	VCC	25	VLCD
34	VCC	25	VLCD
35	NC	-	NC
36	LEDCTRL	28	GND
37	YU	-	ext.
38	XL	-	ext.
39	YD	-	ext.
40	XR	-	ext.

(*) See data-sheet. Pin 34 from FFC have to be open !

2.15 Data-Image

2.15.1 Data-Image FG 050700C-T1

TFT Display: 3.3V

Resolution: 320 x 240 pixels

Corresponding adapter: NetDCU/ADP/UNI-TFT (Jumper R2,4)

FG 050700C-T1		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CLK1	19	CLP
3	Hsync	22	LIP
4	Vsync	20	FRP
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	8	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	17	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4

FG 050700C-T1		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
25	B5	15	B5
26	GND	24	GND
27	DE	21	M-Signal
28	Vcc	25	VLCD
29	Vcc	25	VLCD
30	R/L (*)	28	GND
31	U/D (*)	25	VLCD
32	NC	-	
33	GND	28	GND

(*) See data-sheet.

2.15.2 Data-Image FG 030570DSSWBG01

TFT Display: 3.3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: -

FG 030570DSSWBG01		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VBL-	-	extern
2	VBL-	-	extern
3	VBL+	-	extern
4	VBL+	-	extern
5	NC	-	
6	NC	-	
7	NC	-	
8	/RESET (RESB)	-	extern
9	SPENA	25	VLCD
10	SPCLK	25	VLCD
11	SPDAT	25	VLCD
12	B0~B7	-	
13	B0~B7	-	
14	B0~B7	12	B0
15	B0~B7	11	B1
16	B0~B7	10	B2
17	B0~B7	9	B3
18	B0~B7	16	B4
19	B0~B7	15	B5
20	G0~G7	-	
21	G0~G7	-	
22	G0~G7	14	G0
23	G0~G7	13	G1
24	G0~G7	7	G2
25	G0~G7	6	G3
26	G0~G7	5	G4

FG 030570DSSWBG01		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	G0~G7	4	G5
28	R0~R7	-	
29	R0~R7	-	
30	R0~R7	1	GND
31	R0~R7	2	R1
32	R0~R7	31	R2
33	R0~R7	32	R3
34	R0~R7	33	R4
35	R0~R7	34	R5
36	HSYNC	22	LIP
37	VSYNC	20	FRP
38	DCLK (DOTCLK)	19	CLP
39	NC	-	
40	NC	-	
41	VCC	25	VLCD
42	VCC	25	VLCD
43	NC	-	
44	NC	-	
45	NC	-	
46	NC	-	
47	NC	-	
48	SEL2	24	GND
49	SEL1	24	GND
50	SEL0	24	GND
51	NC	-	
52	DE (DEN)	21	M
53	GND	28	GND
54	GND	28	GND

(*) See data-sheet.

2.15.3 Data-Image FX 030564DWSWAGT2

TFT Display: 3,45", 3.3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: -

FX 030564DWSWAGT2		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VDD	25	Vlcd (+3,3V)
2	VDD	25	Vlcd (+3,3V)
3	VDD	25	Vlcd (+3,3V)
4	DCLK	19	LCDCLK
5	VSS	1	GND
6	HSYNC	22	HSYNC
7	VSS	8	GND
8	VSYNC	20	VSYNC
9	VSS	1	GND
10	NC	-	
11	VSS	8	GND
12	R5	34	R5
13	R4	33	R4
14	R3	32	R3
15	VSS	8	GND
16	R2	31	R2
17	R1	2	R1
18	R0	3	R0
19	VSS	17	GND
20	G5	4	G5
21	G4	5	G4
22	G3	6	G3
23	VSS	24	GND
24	G2	7	G2
25	G1	13	G1
26	G0	14	G0

FX 030564DWSWAGT2		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	VSS	24	GND
28	B5	15	B5
29	B4	16	B4
30	B3	9	B3
31	VSS	28	GND
32	B2	10	B2
33	B1	11	B1
34	B0	12	B0
35	PCI	-	
36	Vctrl	18	VEEK (0-30V)
37	XR		
38	YL		
39	XL		
40	YU		

(*) See data-sheet.

2.16 Top-Sun

2.16.1 Top-Sun TS57ND2A

TFT Display: 5.7", 3.3V

Resolution: 320 x 240 pixels

Corresponding adapter: NetDCU-ADP/UNI-TFT (Jumper R2,4)

TS57ND2A		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	HSYNC	22	LP
4	VSYNC	20	FRM
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4

TS57ND2A		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
25	B5	15	B5
26	GND	28	GND
27	ENAB	21	M-Signal
28	VDD	25	V _{CC} (+3,3V)
29	VDD	25	V _{CC} (+3,3V)
30	LR (*)	28	GND
31	UD (*)	25	VLCD
32	NC	-	
33	GND	28	GND

(*) See data-sheet.

2.17 U-R-T

2.17.1 U-R-T UMSH-7804MD-1CS

CSTN Display: 3.3V or 5V
Resolution: 320 x 240 pixels
Corresponding adapter: -

UMSH-7804MD-1CS		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	FRM	20	FRP
2	CL1	22	LIP
3	CL2	19	CLP
4	DISP	23	DEN
5	VDD	25	VLCD
6	VSS	28	GND
7	VLCD	29	+VEE (about +22V)
8	D7	16	D7
9	D6	15	D6
10	D5	14	D5
11	D4	13	D4
12	D3	12	D3
13	D2	11	D2
14	D1	10	D1
15	D0	9	D0
16	LED	-	

2.17.2 U-R-T UMSH-7867MD

CSTN Display: 5V
 Resolution: 320 x 240 pixels
 Corresponding adapter: -

UMSH-7867MD		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	FRM	20	FRP
2	CL1	22	LIP
3	CL2	19	CLP
4	DISP	23	DEN
5	VDD	25	VLCD
6	VSS	28	GND
7	VLCD	29	+VEE (about +22V)
8	D7	16	D7
9	D6	15	D6
10	D5	14	D5
11	D4	13	D4
12	D3	12	D3
13	D2	11	D2
14	D1	10	D1
15	D0	9	D0

2.17.3 U-R-T UMSH-8089MD

TFT Display: 5.7", 3.3V
 Resolution: 640 x 480 pixels
 Corresponding adapter: -

UMSH-8089MD		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	U/D	1	GND
2	NC	-	
3	NC	-	
4	VLED		extern
5	VLED		extern
6	VLED		extern
7	VCC	25	VLCD
8	NC	-	
9	DE	21	M
10	X_L		extern
11	Y_U		extern
12	ADJ		extern (*)
13	B5	15	B5
14	B4	16	B4
15	B3	9	B3
16	VSS	8	GND
17	B2	10	B2
18	B1	11	B1
19	B0	12	B0
20	VSS	17	GND
21	G5	4	G5
22	G4	5	G4
23	G3	6	G3
24	VSS	17	GND
25	G2	7	G2
26	G1	13	G1

UMSH-8089MD		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	G0	14	G0
28	VSS	24	GND
29	R5	34	R5
30	R4	33	R4
31	R3	32	R3
32	VSS	24	GND
33	R2	31	R2
34	R1	2	R1
35	R0	3	R0
36	X_R		extern
37	Y_D		extern
38	DCLK	19	CLP
39	VSS	28	GND
40	L/R	25	VLCD

(*) See data-sheet.

2.17.4 U-R-T UMSH-8004MD

TFT Display: 5.7", 3.3V
 Resolution: 640 x 480 pixels
 Corresponding adapter: -

UMSH-8004MD		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	U/D	1	GND
2	NC	-	
3	NC	-	
4	VLED		extern
5	VLED		extern
6	VLED		extern
7	VCC	25	VLCD
8	NC	-	
9	DE	21	M
10	X_L		extern
11	Y_U		extern
12	ADJ		extern (*)
13	B5	15	B5
14	B4	16	B4
15	B3	9	B3
16	VSS	8	GND
17	B2	10	B2
18	B1	11	B1
19	B0	12	B0
20	VSS	17	GND
21	G5	4	G5
22	G4	5	G4
23	G3	6	G3
24	VSS	17	GND
25	G2	7	G2
26	G1	13	G1

UMSH-8004MD		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	G0	14	G0
28	VSS	24	GND
29	R5	34	R5
30	R4	33	R4
31	R3	32	R3
32	VSS	24	GND
33	R2	31	R2
34	R1	2	R1
35	R0	3	R0
36	X_R		extern
37	Y_D		extern
38	DCLK	19	CLP
39	VSS	28	GND
40	L/R	25	VLCD

(*) See data-sheet.

2.17.5 U-R-T UMSH-8050MD-T1

TFT Display: 3.3V
 Resolution: 800 x 480 pixels
 Corresponding adapter: -

UMSH-8050MD-T1		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
1	VSS	1	GND
2	VSS	1	GND
3	NC	-	
4	VCC	25	VLCD
5	VCC	25	VLCD
6	VCC	25	VLCD
7	VCC	25	VLCD
8	NC	-	
9	DE	21	M
10	VSS	8	GND
11	VSS	8	GND
12	VSS	8	GND
13	B5	15	B5
14	B4	16	B4
15	B3	9	B3
16	VSS	17	GND
17	B2	10	B2
18	B1	11	B1
19	B0	12	B0
20	VSS	17	GND
21	G5	4	G5
22	G4	5	G4
23	G3	6	G3
24	VSS	17	GND
25	G2	7	G2
26	G1	13	G1
27	G0	14	G0

UMSH-8050MD-T1		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
28	VSS	24	GND
29	R5	34	R5
30	R4	33	R4
31	R3	32	R3
32	VSS	24	GND
33	R2	31	R2
34	R1	2	R1
35	R0	3	R0
36	VSS	24	GND
37	VSS	24	GND
38	DCLK	19	CLP
39	VSS	28	GND
40	VSS	28	GND

(*) See data-sheet.

2.17.6 U-R-T UMSH-8065MD

TFT Display: 3.5", 3.3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: -

UMSH-8065MD		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VSS	1	GND
2	POL	-	
3	SDO	-	
4	RESB	-	
5	CSB	-	
6	SCK	-	
7	SDI	-	
8	B0	16	B4
9	B1	15	B5
10	B2	12	B0
11	B3	11	B1
12	B4	10	B2
13	B5	9	B3
14	B6	16	B4
15	B7	15	B5
16	G0	5	G4
17	G1	4	G5
18	G2	14	G0
19	G3	13	G1
20	G4	7	G2
21	G5	6	G3
22	G6	5	G4
23	G7	4	G5
24	R0	33	R4
25	R1	34	R5

UMSH-8065MD		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	R2	3	R0
27	R3	2	R1
28	R4	31	R2
29	R5	32	R3
30	R6	33	R4
31	R7	34	R5
32	DEN	23	DEN
33	H _{SYNC}	22	LIP
34	V _{SYNC}	20	FRP
35	DOTCLK	19	CLP
36	TB	25	Vlcd (*)
37	REV	25	Vlcd (*)
38	RL	25	Vlcd (*)
39	BGR	28	GND (*)
40	SEL0	28	GND (*)
41	SEL1	28	GND (*)
42	SEL2	28	GND (*)
43	CPE	25	Vlcd (*)
44	PINV	28	GND (*)
45	VCI	25	Vlcd (*)
46	VDDIO	25	Vlcd (*)
47	NC	-	
48	NC	-	
49	K		Extern (*)
50	A		Extern (*)

(*) See data-sheet.

2.17.7 U-R-T UMNH-8061MD

TFT Display: 2.8", 3.3V
 Resolution: 240 x 320 pixels
 Corresponding adapter: -

UMNH-8061MD		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	IM0	1	GND
2	IM3	1	GND
3	K4	-	Extern
4	K3	-	Extern
5	K2	-	Extern
6	K1	-	Extern
7	A	-	Extern
8	nRESET	-	Extern
9	GND	8	GND
10	GND	8	GND
11	GND	8	GND
12	GND	8	GND
13	B0	12	B0
14	B1	11	B1
15	B2	10	B2
16	B3	9	B3
17	B4	16	B4
18	B5	15	B5
19	G0	14	G0
20	G1	13	G1
21	G2	7	G2
22	G3	6	G3
23	G4	5	G4
24	G5	4	G5
25	R0	3	R0
26	R1	2	R1

UMNH-8061MD		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	R2	31	R2
28	R3	32	R3
29	R4	33	R4
30	R5	34	R5
31	NC	-	
32	GND	24	GND
33	nRD	-	
34	nWR	-	
35	RS	-	
36	nCS	-	
37	VCC	25	Vlcd (*)
38	GND	28	GND
39	GND	28	GND
40	VCI	25	Vlcd (*)

(*) See data-sheet.

2.17.8 U-R-T UMSH-8044MD

TFT Display: 5.7", 3.3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: NetDCU-ADP/UNI-TFT
 (Jumper R2, R4)

UMSH-8044MD		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	H _{SYNC}	22	LP
4	V _{SYNC}	20	FRM
5	GND	1	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	8	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5

UMSH-8044MD		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	GND	24	GND
27	ENAB	21	M-Signale
28	V _{CC}	25	V _{CC} (+3,3V)
29	V _{CC}	25	V _{CC} (+3,3V)
30	R/L (*)	28	GND
31	U/D (*)	25	V _{CC} (+3,3V)
32	NC	-	
33	GND	28	GND

(*) See data-sheet.

2.17.9 U-R-T UMSH-8227MD-4T

TFT Display: 3.3V
 Resolution: 640 x 480 pixels
 Corresponding adapter: -

UMSH-8227MD-4T		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	U/D	25	3.3V
2	NC	-	
3	NC	-	
4	VLED		Extern (+5V)
5	VLED		Extern (+5V)
6	VLED		Extern (+5V)
7	VCC	25	VLCD
8	NC	-	
9	DE	21	M
10	X2		extern
11	Y1		extern
12	ADJ		extern (3.3V *)
13	B5	15	B5
14	B4	16	B4
15	B3	9	B3
16	VSS	8	GND
17	B2	10	B2
18	B1	11	B1
19	B0	12	B0
20	VSS	17	GND
21	G5	4	G5
22	G4	5	G4
23	G3	6	G3
24	VSS	17	GND
25	G2	7	G2
26	G1	13	G1

UMSH-8227MD-4T		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	G0	14	G0
28	VSS	24	GND
29	R5	34	R5
30	R4	33	R4
31	R3	32	R3
32	VSS	24	GND
33	R2	31	R2
34	R1	2	R1
35	R0	3	R0
36	X1		extern
37	Y2		extern
38	DCLK	19	CLP
39	VSS	28	GND
40	L/R	28	GND

(*) See data-sheet.

2.17.10 U-R-T UMSH-8240MD

TFT Display: 3.3V
 Resolution: 800 x 600 pixels
 Corresponding adapter: -

UMSH-8240MD		NetDCU11 PicoMOD4/6	
Pin	Meaning	Pin	Meaning
1	NC	-	
2	NC	-	
3	NC	-	
4	NC	-	
5	GND	1	GND
6	VCOM		extern
7	VCC	25	VLCD
8	MODE	1	GND
9	DE	21	M
10	VS	20	FRP
11	HS	22	LIP
12	B7	15	B5
13	B6	16	B4
14	B5	9	B3
15	B4	10	B2
16	B3	11	B1
17	B2	12	B0
18	B1	-	
19	B0	-	
20	G7	4	G5
21	G6	5	G4
22	G5	6	G3
23	G4	7	G2
24	G3	13	G1
25	G2	14	G0

UMSH-8240MD		NetDCU11 PicoMOD4/6	
Pin	Meaning	Pin	Meaning
26	G1	-	
27	G0	-	
28	R7	34	R5
29	R6	33	R4
30	R5	32	R3
31	R4	31	R2
32	R3	2	R1
33	R2	3	R0
34	R1	-	
35	R0	-	
36	GND	8	GND
37	DCLK	19	CLP
38	GND	17	GND
39	L/R	25	VLCD
40	U/D	24	GND
41	VGH		extern
42	VGL		extern
43	AVDD		extern
44	RESET		extern
45	NC	-	
46	VCOM		extern
47	DITHB	-	
48	GND	28	GND
49	NC	-	
50	NC	-	

(*) data-sheet.

2.17.11 U-R-T UMSH-8272MD

TFT Display: 3.3V
Resolution: 800 x 480 pixels
Corresponding adapter: -

UMSH-8272MD		NetDCU8	
Pin	Meaning	Pin	Meaning
1	VLED	ex	extern
2	VLED	ex	extern
3	ADJ	ex	extern
4	GLED	ex	extern
5	GLED	ex	extern
6	VCC	25	VLCD
7	VCC	25	VLCD
8	MODE	21	M
9	DE	-	-
10	VS	20	FRP
11	HS	22	LIP
12	GND	1	GND
13	B5	15	B5
14	B4	16	B4
15	B3	9	B3
16	GND	8	GND
17	B2	10	B2
18	B1	11	B1
19	B0	12	B0
20	GND	17	GND
21	G5	4	G5
22	G4	5	G4
23	G3	6	G3
24	GND	24	GND
25	G2	7	G2
26	G1	13	G1

UMSH-8272MD		NetDCU8	
Pin	Meaning	Pin	Meaning
27	G0	14	G0
28	GND	28	GND
29	R5	34	R5
30	R4	33	R4
31	R3	32	R3
32	GND	28	GND
33	R2	31	R2
34	R1	2	R1
35	R0	3	R0
36	GND	28	GND
37	DCLK	19	CLP
38	GND	28	GND
39	L/R	25	VLCD
40	U/D	28	GND

(*) data-sheet.

2.17.12 U-R-T UMSH-8484

TFT Display: 3.3V
Resolution: 4800 x 272 pixels
Corresponding adapter: -

UMSH-8484		NetDCU8	
Pin	Meaning	Pin	Meaning
1	GND		GND
2	GND		GND
3	VDD		VLCD
4	VDD		VLCD
5	R0		R4
6	R1		R5
7	R2		R0
8	R3		R1
9	R4		R2
10	R5		R3
11	R6		R4
12	R7		R5
13	G0		G4
14	G1		G5
15	G2		G0
16	G3		G1
17	G4		G2
18	G5		G3
19	G6		G4
20	G7		G5
21	B0		B4
22	B1		B5
23	B2		B0
24	B3		B1
25	B4		B2
26	B5		B3

UMSH-8484		NetDCU8	
Pin	Meaning	Pin	Meaning
27	B6		B4
28	B7		B5
29	GND		GND
30	CLK		CLP
31	DISP		VLCD
32	HS		LIP
33	VS		FRP
34	NC	-	NC
35	NC	-	NC
36	NC	-	NC
37	NC	-	NC
38	NC	-	NC
39	NC	-	NC
40	NC	-	NC

(*) data-sheet.

2.18 TIANMA

2.18.1 TIANMA TM320240DFF

STN Display: 5V, VEE-
Resolution: 320 x 240 pixels
Corresponding adapter: -

TM320240DFF		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	D0	9	D0
2	D1	10	D1
3	D2	11	D2
4	D3	12	D3
5	DISPOFF	23	DEN
6	FLM	20	FRP
7	NC	-	
8	LP	22	LIP
9	CP	19	CLP
10	VCC	25	VLCD
11	VSS	8	GND
12	VEE	26	-VEE (about -18V)
13	VADJ	27	VADJ
14	FG	17	GND

2.18.2 TIANMA TM035KDH03

STN Display: 3,3V, VEE-
 Resolution: 320 x 240 pixels
 Corresponding adapter: -

TM035KDH03		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1		9	D0
2	D1	10	D1
3	D2	11	D2
4	D3	12	D3
5	DISPOFF	23	DEN
6	FLM	20	FRP
7	NC	-	
8	LP	22	LIP
9	CP	19	CLP
10	VCC	25	VLCD
11	VSS	8	GND
12	VEE	26	-VEE (about -18V)
13	VADJ	27	VADJ
14	FG	17	GND

2.18.3 TIANMA TM035KDH03

TFT Display: 3,3V, VEE-
 Resolution: 320 x 240 pixels
 Corresponding adapter: -

TM035KDH03		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	LED_Cathode	ext.	
2	LED_Cathode	ext.	
3	LED_Cathode	ext.	
4	LED_Cathode	ext.	
5	NC	-	
6	NC	-	
7	NC	-	
8	RESET	ext.	
9	SPENA	ext.	
10	SPCK	ext.	
11	SPDA	ext.	
12	D00	16	B0
13	D01	15	B1
14	D02	12	B2
15	D03	11	B3
16	D04	10	B4
17	D05	9	B5
18	D06	16	B6
19	D07	15	B7
20	D08	5	G0
21	D09	4	G1
22	D10	14	G2
23	D11	13	G3
24	D12	7	G4
25	D13	6	G5
26	D14	5	G6

TM035KDH03		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	D15	4	G7
28	D16	33	R0
29	D17	34	R1
30	D18	3	R2
31	D19	2	R3
32	D20	31	R4
33	D21	32	R5
34	D22	33	R6
35	D23	34	R7
36	HSYNC	22	LIP
37	VSYNC	20	FRP
38	CLK	19	CLP
39	NC	-	
40	NC	-	
41	VDD	25	VLCD
42	VDD	25	VLCD
43	NC	-	
44	NC	-	
45	NC	-	
46	NC	-	
47	NC	-	
48	NC	-	
49	NC	-	
50	NC	-	
51	NC	-	
52	DEN	21	M
53	GND	28	GND
54	GND	28	GND

2.18.4 TIANMA TM057KDH01

TFT Display: 3,3V, 5.7"
 Resolution: 320 x 240 pixels
 Corresponding adapter: -

TM057KDH01		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2/3/4	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	DCLK
3	Hsync	22	HSYNC
4	Vsync	20	VSYNC
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5
26	GND	28	GND

TM057KDH01		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2/3/4	
Pin	Meaning	Pin	Meaning
27	ENAB	-	NC *
28	VCC	25	VLCD (3.3V)
29	VCC	25	VLCD (3.3V)
30	R/L	-	NC *
31	U/D	-	NC *
32	NC	-	NC
33	GND	28	GND

* See data-sheet.

2.18.5 TIANMA TM057QDH01

TFT Display: 3,3V, 5.7"
 Resolution: 640 x 480 pixels
 Corresponding adapter: -

TM057QDH01		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2/3/4	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	DCLK
3	Hsync	22	HSYNC
4	Vsync	20	VSYNC
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5
26	GND	28	GND

TM057QDH01		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2/3/4	
Pin	Meaning	Pin	Meaning
27	ENAB	-	NC *
28	VCC	25	VLCD (3.3V)
29	VCC	25	VLCD (3.3V)
30	R/L	-	NC *
31	U/D	-	NC *
32	NC	-	NC
33	GND	28	GND

* See data-sheet.

2.18.6 TIANMA TM070RRNZ04

TFT Display: 3,3V, 7"
 Resolution: 800 x 480 pixels
 Corresponding adapter: -

TM070RRNZ04		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2/3/4	
Pin	Meaning	Pin	Meaning
1	XL	-	extern
2	YD	-	extern
3	XR	-	extern
4	YU	-	extern
5	NC	-	-
6	VDD	25	VLCD
7	VDD	25	VLCD
8	MODE	*	
9	DE	21	M
10	VS	20	FRP
11	HS	22	LIP
12	GND	1	GND
13	B5	15	B5
14	B4	16	B4
15	B3	9	B3
16	GND	8	GND
17	B2	10	B2
18	B1	11	B1
19	B0	12	B0
20	GND	17	GND
21	G5	4	G5
22	G4	5	G4
23	G3	6	G3
24	GND	17	GND
25	G2	7	G2
26	G1	13	G1

TM070RRNZ04		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2/3/4	
Pin	Meaning	Pin	Meaning
27	G0	14	G0
28	GND	24	GND
29	R5	34	R5
30	R4	33	R4
31	R3	32	R3
32	GND	28	GND
33	R2	31	R2
34	R1	2	R1
35	R0	3	R0
36	GND	28	GND
37	DCLK	19	CLP
38	GND	28	GND
39	L/R	*	
40	U/D	*	
41	GND	28	GND
42	LED1-	-	extern
43	LED2-	-	extern
44	LED3-	-	extern
45	LED+	-	extern

* See data-sheet.

2.18.7 TIANMA TM070RDNZ09

TFT Display: 3,3V, 7"
 Resolution: 800 x 480 pixels
 Corresponding adapter: -

TM070RDNZ09		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2/3/4	
Pin	Meaning	Pin	Meaning
1	U/D	*	
2	L/R	*	
3	NC/RESET	-	
4	DVDD	25	VLCD
5	DVDD	25	VLCD
6	VCI	25	VLCD
7	VCI	25	VLCD
8	NC	-	
9	DE	21	M
10	VSS	1	GND
11	VSS	1	GND
12	VSS	1	GND
13	B5	15	B5
14	B4	16	B4
15	B3	9	B3
16	VSS	8	GND
17	B2	10	B2
18	B1	11	B1
19	B0	12	B0
20	VSS	17	GND
21	G5	4	G5
22	G4	5	G4
23	G3	6	G3
24	VSS	17	GND
25	G2	7	G2
26	G1	13	G1

TM070RDNZ09		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2/3/4	
Pin	Meaning	Pin	Meaning
27	G0	14	G0
28	VSS	24	GND
29	R5	34	R5
30	R4	33	R4
31	R3	32	R3
32	VSS	24	GND
33	R2	31	R2
34	R1	2	R1
35	R0	3	R0
36	VSS	28	GND
37	NC	-	
38	DCLK	19	CLP
39	HSYNC	22	LIP
40	VSYNC	20	FRP

* See data-sheet.

2.19 Linkface

2.19.1 Linkface TF057-3VL

TFT Display: 5.7", 3.3V
Resolution: 640 x 480 pixels
Corresponding adapter: NetDCU-ADP/UNI-TFT
(Jumper R1, 2, 4)

TF057-3VL		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	DCLK	19	CLP
3	HD	22	LIP
4	VD	20	FRP
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3

TF057-3VL		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
24	B4	16	B4
25	B5	15	B5
26	GND	28	GND
27	DENA	21	M-Signal
28	VCC	25	VLCD
29	VCC	25	VLCD
30	R/L (*)	25	VLCD
31	U/D (*)	25	VLCD
32	NC	-	
33	GND	28	GND

(*) See data-sheet.

2.19.2 Linkface LMT102-6WL

TFT Display: 10,2", SVGA, 5V
 Resolution: 800 x 600 pixels
 Corresponding adapter: NetDCU-ADP/LVDS1 with modification (J1)

LMT102-6WL		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	Vcc	-	ext.
2	NC	-	
3	ADJ	*	ext.
4	GND	6	GND
5	GND	8	GND
6	RxIN0-	1	TX0-
7	RxIN0+	3	TX0+
8	RxIN1-	5	TX1-
9	RxIN1+	7	TX1+
10	RxIN2-	9	TX2-
11	RxIN2+	11	TX2+
12	CKIN-	13	TXCLK-
13	CKIN+	15	TXCLK+
14	L-R	2	VLCD
15	U-D	6	GND

(*) See data-sheet.

2.20 AUO Optronix

2.20.1 AUO G084SN05 V.2

TFT Display: 8.4", 3.3V
Resolution: 800 x 600 pixels
Corresponding Adapter: -

G084SN05 V.2		NetDCU10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	DCLK_IN	19	CLP
3	DE_IN	21	M
4	H _{SYNC_IN}	22	LIP
5	V _{SYNC_IN}	20	FRP
6	GND	8	GND
7	RIN0	3	R0
8	RIN1	2	R1
9	RIN2	31	R2
10	RIN3	32	R3
11	RIN4	33	R4
12	RIN5	34	R5
13	GIN0	14	G0
14	GIN1	13	G1
15	GIN2	7	G2
16	GIN3	6	G3
17	GIN4	5	G4
18	GIN5	4	G5
19	BIN0	12	B0
20	BIN1	11	B1
21	BIN2	10	B2
22	BIN3	9	B3
23	BIN4	16	B4
24	BIN5	15	B5

G084SN05 V.2		NetDCU10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
25	GND	24	GND
26	REV	24	GND
27	VDD	25	VLCD 3,3V
28	VDD	25	VLCD 3,3V
29	VDD	25	VLCD 3,3V
30	Dimmer		extern
31	GND	28	GND
32	GND	28	GND
33	GND	28	GND
34	VBL		extern
35	VBL		extern
36	VBL		extern

(*) See data-sheet.

2.20.2 AUO G057VN01V1

TFT Display: 5.7", 3.3V
 Resolution: 640 x 480 pixels
 Corresponding adapter: NetDCU-ADP/UNI-TFT
 (Jumper R2, 4)

G057VN01		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	NC	-	
4	NC	-	
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5

G057VN01		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	GND	28	GND
27	DE	21	M-Signal
28	VDD	25	V _{CC} (+3,3V)
29	VDD	25	V _{CC} (+3,3V)
30	R/L (*)	28	GND
31	U/D (*)	25	VLCD
32	NC	-	
33	GND	28	GND

(*) See data-sheet.

2.20.3 AUO G057QN01

TFT Display: 5.7", 3.3V
Resolution: 320 x 240 pixels
Corresponding adapter: NetDCU-ADP/UNI-TFT
(Jumper R2, 4)

G057QN01		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	NC	-	
4	NC	-	
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5

G057QN01		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	GND	28	GND
27	DE	21	M-Signal
28	VDD	25	V _{CC} (+3,3V)
29	VDD	25	V _{CC} (+3,3V)
30	R/L (*)	28	GND
31	U/D (*)	25	VLCD
32	NC	-	
33	GND	28	GND

(*) See data-sheet.

2.20.4 AUO G104VN01

TFT Display: 6.4", 3.3V or 5V
 Resolution: 640 x 480 pixels
 Corresponding Adapter: B.MKAB.20 & B.MLP.37

G104VN01		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CLK	19	CLP
3	H _{SYNC}	22	LIP
4	V _{SYNC}	20	FRP
5	GND	1	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	8	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4

G104VN01		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
25	B5	15	B5
26	GND	24	GND
27	DE	21	M-Signal
28	VDD	25	V_{LCD} (+3.3V or +5V)
29	VDD	25	V_{LCD} (+3.3V or +5V)
30	DPSH	-	-
31	DPSV	-	-

2.20.5 AUO G104SN02

TFT Display: 3.3V, 1 port LVDS
 Resolution: 800 x 600 pixels
 Corresponding Adapter: NetDCU-ADP/LVDS1

G104SN02		NetDCU11 PicoMOD4/6	
Pin	Meaning	Pin	Meaning
1	VDD	2	V lcd
2	VDD	4	V lcd
3	GND	-	-
4	DPS	-	-
5	RxIN0-	1	Tx0-
6	RxIN0+	3	Tx0+
7	GND	6	GND
8	RxIn1-	5	Tx1-
9	RxIN1+	7	Tx1+
10	GND	10	GND
11	RXIn2-	9	Tx2-
12	RxIN2+	11	Tx2+
13	GND	12	GND
14	RxCLKIN-	13	TxCLK-
15	RxCLKIN+	15	TxCLK+
16	GND	16	GND
17	RxIN3-	-	-
18	RxIN3+	-	-
19	RSV	-	NC
20	SEL68	-	GND oder NC

2.20.6 AUO G121SN01

TFT Display: 3.3V , 1 port LVDS
 Resolution: 800 x 600 pixels
 Corresponding Adapter: NetDCU-ADP/LVDS1

G121SN01		NetDCU11 PicoMOD4/6	
Pin	Meaning	Pin	Meaning
1	VDD	2	V lcd
2	VDD	4	V lcd
3	GND	-	-
4	GND	-	-
5	RxIN0-	1	Tx0-
6	RxIN0+	3	Tx0+
7	GND	6	GND
8	RxIn1-	5	Tx1-
9	RxIN1+	7	Tx1+
10	GND	10	GND
11	RXIn2-	9	Tx2-
12	RxIN2+	11	Tx2+
13	GND	12	GND
14	CKIN-	13	TxCLK-
15	CKIN+	15	TxCLK+
16	GND	16	GND
17	NC/GND	-	-
18	NC/GND	-	-
19	NC/GND	-	GND
20	NC/GND	-	GND

2.20.7 AUO G104SN03

TFT Display: 3.3V , 1 port LVDS

Resolution: 800 x 600 pixels

Corresponding Adapter: NetDCU-ADP/LVDS1

G104SN03		NetDCU11 PicoMOD4/6	
Pin	Meaning	Pin	Meaning
1	VCC	2	V lcd
2	VCC	4	V lcd
3	GND	6	-
4	GND	8	-
5	RxIN0-	1	Tx0-
6	RxIN0+	3	Tx0+
7	GND	-	GND
8	RxIn1-	5	Tx1-
9	RxIN1+	7	Tx1+
10	GND	16	GND
11	RXIn2-	9	Tx2-
12	RxIN2+	11	Tx2+
13	GND	-	GND
14	CKIN-	13	TxCLK-
15	CKIN+	15	TxCLK+
16	GND	-	GND
17	NC	-	-
18	NC	-	-
19	GND	-	GND
20	GND	-	GND

2.20.8 AUO G084SN05-V8

TFT Display: 3.3V , 1 port LVDS
Resolution: 800 x 600 pixels
Corresponding Adapter: NetDCU-ADP/LVDS1

G084SN05-V8		NetDCU11 PicoMOD4/6	
Pin	Meaning	Pin	Meaning
1	VDD	2	V lcd
2	VDD	4	V lcd
3	UD	-	-
4	LR	-	-
5	RxIN1-	1	Tx0-
6	RxIN1+	3	Tx0+
7	GND	6	GND
8	RxIn2-	5	Tx1-
9	RxIN2+	7	Tx1+
10	GND	8	GND
11	RXIn3-	9	Tx2-
12	RxIN3+	11	Tx2+
13	GND	10	GND
14	RxCLKIN-	13	TxCLK-
15	RxCLKIN+	15	TxCLK+
16	GND	12	GND
17	SEL68	-	-
18	NC	-	-
19	RxIN4-	16	GND
20	RxIN4+	16	GND

2.20.9 AUO G070VW01

TFT Display: 3.3V , 1 port LVDS
Resolution: 800 x 480 pixels
Corresponding Adapter: NetDCU-ADP/LVDS1

G070VW01		NetDCU10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
1	VDD	2	V lcd
2	VDD	4	V lcd
3	UD	NC	-
4	LR	NC	-
5	RxIN1-	1	Tx0-
6	RxIN1+	3	Tx0+
7	GND	6	GND
8	RxIn2-	5	Tx1-
9	RxIN2+	7	Tx1+
10	GND	8	GND
11	RXIn3-	9	Tx2-
12	RxIN3+	11	Tx2+
13	GND	10	GND
14	RxCLKIN-	13	TxCLK-
15	RxCLKIN+	15	TxCLK+
16	GND	12	GND
17	SEL68	NC	-
18	NC	NC	-
19	RxIN4-	16	GND
20	RxIN4+	16	GND

2.20.10 AUO G065VN01 V2

TFT Display: 3.3V, 1 port LVDS
 Resolution: 800 x 600 pixels
 Corresponding Adapter: NetDCU-ADP/LVDS1

G065VN01		NetDCU11 PicoMOD4/6	
Pin	Meaning	Pin	Meaning
1	VDD	2	V lcd
2	VDD	4	V lcd
3	GND	6	-
4	SEL68	8	-
5	RxIN0-	1	Tx0-
6	RxIN0+	3	Tx0+
7	GND	10	GND
8	RxIn1-	5	Tx1-
9	RxIN1+	7	Tx1+
10	GND	12	GND
11	RXIn2-	9	Tx2-
12	RxIN2+	11	Tx2+
13	GND	14	GND
14	RxCLKIN-	13	TxCLK-
15	RxCLKIN+	15	TxCLK+
16	NC	nc	-
17	U/D	nc	-
18	R/L	nc	-
19	RxIN3-	nc	
20	RxIN3+	nc	

2.20.11 AUO G065VN01 V1

TFT Display: 3.3V
Resolution: 800 x 600 pixels
Corresponding Adapter: -

G065VN01		NetDCU11 PicoMOD4/6	
Pin	Meaning	Pin	Meaning
1	GND	1	
2	CLK	19	CLP
3	HSync	22	LIP
4	VSync	20	FRP
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	24	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5
26	GND	28	GND
27	DE	21	M

G065VN01		NetDCU11 PicoMOD4/6	
Pin	Meaning	Pin	Meaning
28	VDD	25	VLCVD
29	VDD	25	VLCD
30	Reserved	-	nc
31	DPS	(*)	

(*) See data-sheet.

2.21 InnoLux

2.21.1 InnoLux AT070TN83

TFT Display: 7", 3.3V
Resolution: 800 x 480 pixels
Corresponding adapter: -

AT070TN83		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	GND	1	GND
3	NC	-	-
4	VCC	25	VLCD
5	VCC	25	VLCD
6	VCC	25	VLCD
7	VCC	25	VLCD
8	NC	-	-
9	DE	21	M
10	GND	8	GND
11	GND	8	GND
12	GND	8	GND
13	B5	15	B5
14	B4	16	B4
15	B3	9	B3
16	GND	17	GND
17	B2	10	B2
18	B1	11	B1
19	B0	12	B0
20	GND	17	GND
21	G5	4	G5
22	G4	5	G4
23	G3	6	G3

AT070TN83		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
24	GND	24	GND
25	G2	7	G2
26	G1	13	G1
27	G0	14	G0
28	GND	24	GND
29	R5	34	R5
30	R4	33	R4
31	R3	32	R3
32	GND	28	GND
33	R2	31	R2
34	R1	2	R1
35	R0	1	R0
36	GND	28	GND
37	GND	28	GND
38	DCLK	19	CLP
39	GND	28	GND
40	GND	28	GND

(*) See data-sheet.

2.21.2 InnoLux AT043TN13

TFT Display: 4.3", 3.3V
 Resolution: 480 x 272 pixels
 Corresponding adapter: -

AT043TN13		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	GND	1	GND
3	VDD	25	VLCD 3,3V
4	VDD	25	VLCD 3,3V
5	R0	33	R4
6	R1	34	R5
7	R2	3	R0
8	R3	2	R1
9	R4	31	R2
10	R5	32	R3
11	R6	33	R4
12	R7	34	R5
13	G0	5	G4
14	G1	4	G5
15	G2	14	G0
16	G3	13	G1
17	G4	7	G2
18	G5	6	G3
19	G6	5	G4
20	G7	4	G5
21	B0	16	B4
22	B1	15	B5
23	B2	12	B0
24	B3	11	B1
25	B4	10	B2
26	B5	9	B3

AT043TN13		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	B6	16	B4
28	B7	15	B5
29	GND	28	GND
30	PCLK	19	CLP
31	DISP	23	DEN
32	Hsync	22	LIP
33	Vsync	20	FRP
34	DE	21	M
35	AVDD	-	Extern
36	AVDD	-	Extern
37	NC	-	
38	NC	-	
39	GND	28	GND
40	GND	28	GND

(*) See data-sheet.

2.22 CRYSTAL-CLEAR

2.22.1 CRYSTAL-CLEAR T2432C04 VP01

TFT Display: 3,3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: -

T2432C04 VP01		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	NC		
2	NC		
3	NC		
4	NC		
5	NC		
6	NC		
7	POL		extern
8	/RESET		extern
9	SPENA		extern
10	SPCLK		extern
11	SPDAT		extern
12	B0	16	B4
13	B1	15	B5
14	B2	12	B0
15	B3	11	B1
16	B4	10	B2
17	B5	9	B3
18	B6	16	B4
19	B7	15	B5
20	G0	5	G4
21	G1	4	G5
22	G2	14	G0
23	G3	13	G1
24	G4	7	G2
25	G5	6	G3

T2432C04 VP01		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	G6	5	G4
27	G7	4	G5
28	R0	33	R4
29	R1	34	R5
30	R2	3	R0
31	R3	2	R1
32	R4	31	R2
33	R5	32	R3
34	R6	33	R4
35	R7	34	R5
36	HSYNC	22	LIP
37	VSYNC	20	FRP
38	DCLK	19	CLP
39	VDD		extern
40	VDD		extern
41	VCC	25	VLCD
42	VCC	25	VLCD
43	NC	-	
44	NC	-	
45	VGL		extern
46	NC	-	
47	VGH		extern
48	NC	-	
49	NC	-	
50	NC	-	
51	VCOM		extern
52	ENB	21	M
53	GND	28	GND
54	AVSS	28	GND

2.23 PLANAR

2.23.1 PLANAR EL320.240.36HB

STN Display: 5V
Resolution: 320 x 240 pixels
Corresponding adapter: -

EL320.240.36HB		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	V _H (+12V)	-	extern
2	V _H (+12V)	-	extern
3	Self test	1	GND
4	SCAN	1	GND
5	V _L (+5V)	25	V _{LCD} (+5V)
6	GND	1	GND
7	VS	20	FRP
8	GND	1	GND
9	HS	22	LIP
10	GND	8	GND
11	VCLK	19	CLP
12	GND	8	GND
13	VID ₀	9	B3
14	GND	8	GND
15	VID ₁	10	B2
16	GND	24	GND
17	VID ₂	11	B1
18	GND	28	GND
19	VID ₃	12	B0
20	GND	28	GND

2.24 Batron

2.24.1 Batron BT035PFETF06LED

CSTN Display: 3,3V
Resolution: 320 x 240 pixels
Corresponding adapter: -

BT035PFETF06LED		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VDD	25	VLCD
2	VDD	25	VLCD
3	VDD	25	VLCD
4	CL2	19	CLP
5	VSS	1	GND
6	CL1	22	LIP
7	VSS	8	GND
8	M	21	M
9	VSS	8	GND
10	FLM	20	FRP
11	VSS	8	GND
12	D2	11	B1
13	D3	12	B0
14	D4	13	G1
15	VSS	17	GND
16	D5	14	G0
17	D6	15	B5
18	D7	16	B4
19	VSS	17	GND
20	NC	-	
21	NC	-	
22	NC	-	
23	VSS	17	GND

BT035PFETF06LED		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
24	NC	-	
25	D0	9	B3
26	D1	10	B2
27	VSS	24	GND
28	NC	-	
29	NC	-	
30	NC	-	
31	VSS	24	GND
32	NC	-	
33	NC	-	
34	NC	-	
35	/DISPOFF	23	DEN
36	NC	-	
37	NC	-	
38	LED_EN	25	VLCD
39	SCL	ext.	
40	SDA	ext.	

2.25 Hantronix

2.25.1 Hantronix HDA570VT-V

TFT Display: 5.7", 3.3V
Resolution: 640 x 480 pixels
Corresponding adapter: NetDCU-ADP/UNI-TFT
(Jumper R2, 3,)

HDA570VT-V		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	CK	19	CLP
3	HSYNC	22	LIP
4	VSYNC	20	FRM
5	GND	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	17	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2

HDA570VT-V		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5
26	GND	28	GND
27	ENAB	21	M-Signal
28	VDD	25	VLCD
29	VDD	25	VLCD
30	R/L (*)	28	GND
31	U/D (*)	28	GND
32	NC	23	DEN
33	GND	28	GND

(*) See data-sheet.

2.25.2 Hantronix HDA570VT

TFT Display: 5.7", 3.3V
 Resolution: 640 x 480 pixels
 Corresponding adapter: NetDCU-ADP/UNI-TFT
 (Jumper R2, 3,)

HDA570VT		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VSS	1	GND
2	CLK	19	CLP
3	HIS	22	LIP
4	IVS	20	FRM
5	VSS	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	VSS	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	VSS	17	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5

HDA570VT		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	VSS	28	GND
27	DEN	21	M-Signal
28	VCC	25	VLCD
29	VCC	25	VLCD
30	REV	28	GND
31	VSS	28	GND
32	DISP	25	VLCD
33	VSS	28	GND

(*) See data-sheet.

2.25.3 Hantronix HDA351-LVH

TFT Display: 3,5", 3.3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: -

HDA351-LVH		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	LED_K	ext.	
2	LED_K	ext.	
3	LED_A	ext.	
4	LED_A	ext.	
5	NC	--	
6	NC	--	
7	NC	--	
8	RESET	ext.	
9	NC	--	
10	NC	--	
11	NC	--	
12	D20	--	
13	D21	--	
14	D22	12	B0
15	D23	11	B1
16	D24	10	B2
17	D25	9	B3
18	D26	16	B4
19	D27	15	B5
20	D10	--	
21	D11	--	
22	D12	14	G0
23	D13	13	G1
24	D14	7	G2
25	D15	6	G3

HDA351-LVH		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	D16	5	G4
27	D17	4	G5
28	D00	--	
29	D01	--	
30	D02	3	R0
31	D03	2	R1
32	D04	31	R2
33	D05	32	R3
34	D06	33	R4
35	D07	34	R5
36	HSYNC	22	LIP
37	VSYNC	20	FRP
38	DOTCLK	19	CLP
39	NC	--	
40	NC	--	
41	VCC	25	VLCD
42	VCC	--	
43	NC	--	
44	NC	--	
45	NC	--	
46	NC	--	
47	NC	--	
48	NC	--	
49	NC	--	
50	NC	--	
51	NC	--	
52	NC	--	
53	GND	28	GND
54	GND	28	GND

(*) See data-sheet.

2.26 CHIMEI

2.26.1 CHIMEI G104V1

TFT Display: 10.4", 3.3V or 5V
Resolution: 640 x 480 pixels
Corresponding Adapter: B.MKAB.16 & NetDCU-ADP/UNI-TFT

G104V1		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	GND	1	GND
2	DCLK	19	CLP
3	H _{SYNC}	22	LIP
4	V _{SYNC}	20	FRP
5	GND	1	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	GND	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	GND	8	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4

G104V1		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
25	B5	15	B5
26	GND	24	GND
27	DE	21	M-Signal
28	V _{CC}	25	V _{LCD} (+3.3V or +5V)
29	V _{CC}	25	V _{LCD} (+3.3V or +5V)
30	NC	-	-
31	DPSR	28	GND

2.27 Evervision

2.27.1 Evervision VGG804806-6VFLWB

TFT Display: 3.3V
Resolution: 800 x 480 pixels
Corresponding adapter: NetDCU-ADP/TX2

VGG804806-6VFLWB		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
1	VDD	25	Vlcd
2	VDD	25	Vlcd
3	VDD	25	Vlcd
4	VDD	25	Vlcd
5	NC	-	
6	DTMG	21	M-Signal
7	VSS	1	GND
8	NC	-	
9	VSS	8	GND
10	(IC)	-	
11	VSS	8	GND
12	B5	15	B5
13	B4	16	B4
14	B3	9	B3
15	VSS	8	GND
16	B2	10	B2
17	B1	11	B1
18	B0	12	B0
19	VSS	17	GND
20	G5	4	G5
21	G4	5	G4
22	G3	6	G3
23	VSS	17	GND
24	G2	7	G2

VGG804806-6VFLWB		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
25	G1	13	G1
26	G0	14	G0
27	VSS	24	GND
28	R5	34	R5
29	R4	33	R4
30	R3	32	R3
31	VSS	24	GND
32	R2	31	R2
33	R1	2	R1
34	R0	3	R0
35	(IC)	-	
36	VSS	28	GND
37	VSS	28	GND
38	DCLK	19	CLP
39	VSS	28	GND
40	VSS	28	GND

2.27.2 Evervision VGG644803-6VFLWF

TFT Display: 5.7", 3.3V
 Resolution: 640 x 480 pixels
 Corresponding adapter: NetDCU-ADP/UNI-TFT
 (Jumper R2, 3,)

VGG644803-6VFLWF		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VSS	1	GND
2	CLK	19	CLP
3	HIS	22	LIP
4	IVS	20	FRM
5	VSS	8	GND
6	R0	3	R0
7	R1	2	R1
8	R2	31	R2
9	R3	32	R3
10	R4	33	R4
11	R5	34	R5
12	VSS	17	GND
13	G0	14	G0
14	G1	13	G1
15	G2	7	G2
16	G3	6	G3
17	G4	5	G4
18	G5	4	G5
19	VSS	17	GND
20	B0	12	B0
21	B1	11	B1
22	B2	10	B2
23	B3	9	B3
24	B4	16	B4
25	B5	15	B5

VGG644803-6VFLWF		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
26	VSS	28	GND
27	DEN	21	M-Signal
28	VCC	25	VLCD
29	VCC	25	VLCD
30	REV	25	GND
31	VSS	25	GND
32	NC	-	
33	VSS	28	GND

(*) See data-sheet.

2.27.3 Evervision VGG322427-6UFLWA

TFT Display: 3.3V
 Resolution: 320 x 240 pixels
 Corresponding adapter: -

VGG322427-6UFLWA		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	LED_K	ext	extern
2	LED_K	ext	extern
3	LED_A	ext	extern
4	LED_A	ext	extern
5	GND	1	GND
6	X1	-	-
7	Y1	-	-
8	X2	-	-
9	Y2	-	-
10	GND	1	GND
11	NC	-	-
12	NC	-	-
13	NC	-	-
14	RESET	ext	extern
15	CSB	ext	extern
16	SCL	ext	extern
17	SDI	ext	extern
18	D20	-	-
19	D21	-	-
20	D22	12	B0
21	D23	11	B1
22	D24	10	B2
23	D25	9	B3
24	D26	16	B4
25	D27	15	B5
26	D10	-	-

VGG322427-6UFLWA		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	D11	-	-
28	D12	14	G0
29	D13	13	G1
30	D14	7	G2
31	D15	6	G3
32	D16	5	G4
33	D17	4	G5
34	D00	-	-
35	D01	-	-
36	D02	3	R0
37	D03	2	R1
38	D04	31	R2
39	D05	32	R3
40	D06	33	R4
41	D07	34	R5
42	HSYNC	22	LIP
43	VSYNC	20	FRP
44	DOTCLK	19	CLP
45	NC	-	-
46	NC	-	-
47	VCC	25	VLCD
48	VCC	25	VLCD
49	NC	-	-
50	NC	-	-
51	NC	-	-
52	NC	-	-
53	NC	-	-
54	NC	-	-
55	NC	-	-
56	NC	-	-
57	NC	-	-
58	NC	-	-

VGG322427-6UFLWA		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
59	GND	24	GND
60	GND	28	GND

(*) See data-sheet.

2.27.4 Evervision VGG482709-6UFLWC

TFT Display: 3.3V
 Resolution: 480 x 272 pixels
 Corresponding adapter: -

VGG482709-6UFLWC		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VSS	1	GND
2	VSS	1	GND
3	DVDD	25	VLCD (3.3V)
4	DVDD	25	VLCD (3.3V)
5	R0	33	
6	R1	34	
7	R2	3	R0
8	R3	2	R1
9	R4	31	R2
10	R5	32	R3
11	R6	33	R4
12	R7	34	R5
13	G0	5	
14	G1	4	
15	G2	14	G0
16	G3	13	G1
17	G4	7	G2
18	G5	6	G3
19	G6	5	G4
20	G7	4	G5
21	B0	16	
22	B1	15	
23	B2	12	B0
24	B3	11	B1
25	B4	10	B2
26	B5	9	B3

VGG482709-6UFLWC		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
27	B6	16	B4
28	B7	15	B5
29	VSS	8	GND
30	PCLK	19	CLP
31	DISP	23	DEN
32	HSYNC	22	LIP
33	VSYNC	20	FRP
34	NC	-	NC
35	NC	-	NC
36	NC	-	NC
37	NC	-	NC
38	NC	-	NC
39	NC	-	NC
40	NC	-	NC

2.27.5 Evervision VGG804807-6UFLWB

TFT Display: 3.3V, 5"
 Resolution: 800 x 480 pixels
 Corresponding adapter:

VGG804807-6UFLWB		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
1	VLED_K		extern
2	VLE_A		extern
3	GND	1	GND
4	VCC	25	VLCD
5	R0	33	R4
6	R1	34	R5
7	R2	3	R0
8	R3	2	R1
9	R4	31	R2
10	R5	32	R3
11	R6	33	R4
12	R7	34	R5
13	G0	5	G4
14	G1	4	G5
15	G2	14	G0
16	G3	13	G1
17	G4	7	G2
18	G5	6	G3
19	G6	5	G4
20	G7	4	G5
21	B0	16	B4
22	B1	15	B5
23	B2	12	B0
24	B3	11	B1
25	B4	10	B2
26	B5	9	B3

VGG804807-6UFLWB		NetDCU8/10/11 PicoMOD3/4/6	
Pin	Meaning	Pin	Meaning
27	B6	16	B4
28	B7	15	B5
29	GND	8	GND
30	DCLK	19	CLP
31	DSIP	-	-
32	HSYNC	22	LIP
33	VSYNC	20	FRM
34	DE	21	M-Signal
35	NC	-	-
36	GND	28	GND
37	XR		extern
38	YD		extern
39	XL		extern
40	YU		extern

2.28 Seiko

2.28.1 Seiko RA156Z20

TFT Display: 3.5", 3.3V
Resolution: 320 x 240 pixels
Corresponding adapter: -

RA156Z20		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	NC	-	
2	NC	-	
3	NC	-	
4	NC	-	
5	AVDD	25	VLCD
6	AVDD	25	VLCD
7	VSS	1	GND
8	DVDD	25	VLCD
9	DVDD	25	VLCD
10	VSS	8	GND
11	DISP	8	GND
12	PCLK	19	CLP
13	VSYNC	20	FRP
14	HSYNC	22	LIP
15	DE	21	M
16	VSS	8	GND
17	R7	34	R5
18	R6	33	R3
19	R5	32	R3
20	R4	31	R2
21	R3	2	R1
22	R2	3	R0
23	R1	-	

RA156Z20		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
24	R0	-	
25	G7	4	G5
26	G6	5	G4
27	G5	6	G3
28	G4	7	G2
29	G3	13	G1
30	G2	14	G0
31	G1	-	
32	G0	-	
33	B7	15	B5
34	B6	16	B4
35	B5	9	B3
36	B4	10	B2
37	B3	11	B1
38	B2	12	B0
39	B1	-	
40	B0	-	
41	VSS	24	GND
42	SDI	-	extern
43	SCK	-	extern
44	CSB	-	extern
45	RESB	-	extern
46	SDO	-	extern
47	VSS	28	GND
48	VLED+	-	extern
49	VLED-	-	extern
50	VSS	28	GND

2.29 Casio

2.29.1 Casio 08TLM034

TFT Display: 3.5", 3.3V
Resolution: 320 x 240 pixels
Corresponding adapter: -

08TLM034		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	VSS	1	GND
2	VSS	1	GND
3	VDD	25	VLCD
4	VDD	25	VLCD
5	VSS	8	GND
6	RESETB	8	GND
7	HSYNC	22	LIP
8	VSYNC	20	FRP
9	CLK	19	CLP
10	VSS	17	GND
11	D00	12	B0
12	D01	11	B1
13	D02	10	B2
14	D03	9	B3
15	D04	16	B4
16	D05	15	B5
17	D10	14	G0
18	D11	13	G1
19	D12	7	G2
20	D13	6	G3
21	D14	5	G4
22	D15	4	G5
23	D20	3	R0

08TLM034		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
24	D21	2	R1
25	D22	31	R2
26	D23	32	R3
27	D24	33	R4
28	D25	34	R5
29	VSS	24	GND
30	DE	21	M
31	STBYB	25	VLCD
32	TEST1	28	GND
33	NC	-	
34	NC	-	
35	NC	-	
36	NC	-	
37	TEST2	28	GND
38	BLH		extern
39	BLL		extern

2.30 Glyn

2.30.1 Glyn G-ETx

TFT Display: 3.5" – 7", 3.3V
Resolution: 320 x 240 up to 800 x 480 pixels
Corresponding adapter: -

G-ETx		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
1	NC or Reset	ext.	extern
2	VSS	1	GND
3	B5	15	B5
4	B4	16	B4
5	B3	9	B3
6	B2	10	B2
7	B1	11	B1
8	B0	12	B0
9	VSS	8	GND
10	G5	4	G5
11	G4	5	G4
12	G3	6	G3
13	G2	7	G2
14	G1	13	G1
15	G0	14	G0
16	VSS	17	GND
17	R5	34	R5
18	R4	33	R4
19	R3	32	R3
20	R2	31	R2
21	R1	2	R1
22	R0	3	R0

G-ETx		NetDCU8/10/11 PicoMOD1/3/4/6 PicoCOM2	
Pin	Meaning	Pin	Meaning
23	VSS	24	GND
24	DCLK	19	CLP
25	VSS	24	GND
26	HSYNC	22	LIP
27	VSYNC	20	FRP
28	ENB	21	M
29	PWCTRL		Extern (*)
30	VDD	25	VLCD
31	VSS	28	GND
32	VSS	28	GND
33	VCC		Extern (*)
34	VCC		Extern (*)
35	NC	-	-
36	LEDCTRL		Extern (*)
37	YU		extern
38	XL		extern
39	YD		extern
40	XR		extern

(*) See data-sheet.

3 Important Notice

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