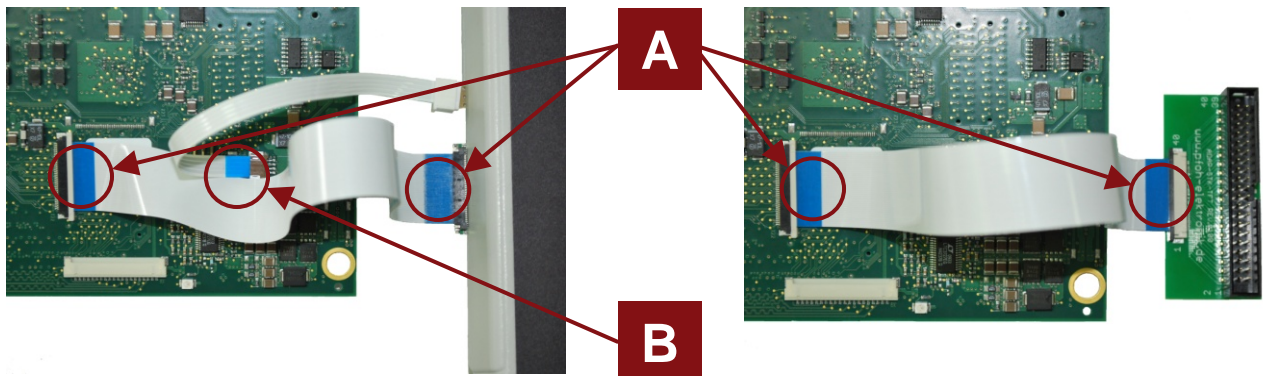# STKa35 Quick-Start Guide

A Connect display / adapter board to the MBa35

Use the supplied 40-pin FFC cable to connect the display respective the adapter board to connector X22 of the MBa35. Make sure, the contacts of the FFC cable face towards the pc-boards on both ends (blue reinforced ends of FFC cable facing up).

B Connect the touch controller of the display box to the MBa35

Use the supplied 4-pin Flex-cable to connect the touch controller to connector X2 of the MBa35. Make sure, the Flex-cable is connected as shown in the image.

C Power up MBa35

Double-check the mains voltage required for the power supply, then connect it to connector X6 of the MBa35.
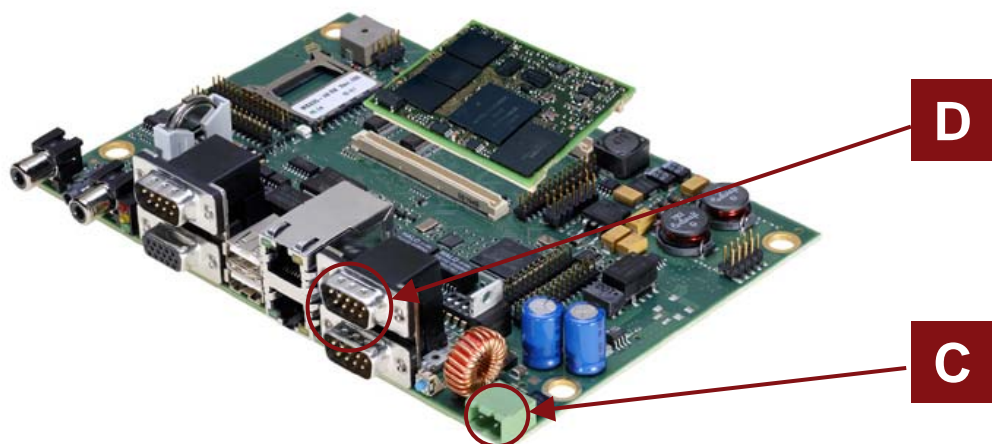
D If desired:

Run terminal emulator and configure serial port:

Run your favourite terminal emulator
(we recommend TeraTerm Pro, which is supplied on the *Tools CD*)
on the host PC and configure the serial port using the following settings

Baudrate	Data bits	Parity	Stop bits	Handshake
115200	8	none	1	XON/XOFF

Establish serial connection

U-Boot/EBoot and Linux/WinCE: The boot messages of U-Boot/EBoot and Linux/WinCE will show up in the terminal emulator.

For latest documentation, BSPs and supplemental tools please visit www.tq-group.com/en/TQMa35

STKa35 Quick-Start Guide

Pinout plug connector X22 / adapter board

PowerView + Data Image (X22)	Signal	Type	Remark
1	GND	P	Ground
2	GND	P	Ground
3	PowerView: NC	–	PowerView: 100 kR
	Data Image: ADJ	O	Data Image: LCD_CONTRAST (PWM)
4	PowerView/Admatec: VCC3V3	P	Supply
	Data Image: VCC5V	P	
5	PowerView/Admatec: VCC3V3	P	Supply
	Data Image: VCC5V	P	
6	PowerView/Admatec: VCC3V3	P	Supply
	Data Image: VCC5V	P	
7	VCC3V3	P	Supply
8	PowerView: NC	–	PowerView: not connected
	Data Image: VCC3V3	P	Data Image: Supply
9	DATA Enable	O	LCD_OE (22 R in series)
10	GND	P	Ground
11	GND	P	Ground
12	GND	P	Ground
13	Blue 5	O	LCD_D5 (22 R in series)
14	Blue 4	O	LCD_D4 (22 R in series)
15	Blue 3	O	LCD_D3 (22 R in series)
16	GND	P	Ground
17	Blue 2	O	LCD_D2 (22 R in series)
18	Blue 1	O	LCD_D1 (22 R in series)
19	Blue 0	O	LCD_D0 (22 R in series)
20	GND	P	Ground
21	Green 5	O	LCD_D11 (22 R in series)
22	Green 4	O	LCD_D10 (22 R in series)
23	Green 3	O	LCD_D9 (22 R in series)
24	GND	P	Ground
25	Green 2	O	LCD_D8 (22 R in series)
26	Green 1	O	LCD_D7 (22 R in series)
27	Green 0	O	LCD_D6 (22 R in series)
28	GND	P	Ground
29	Red 5	O	LCD_D17 (22 R in series)
30	Red 4	O	LCD_D16 (22 R in series)
31	Red 3	O	LCD_D15 (22 R in series)
32	GND	P	Ground
33	Red 2	O	LCD_D14 (22 R in series)
34	Red 1	O	LCD_D13 (22 R in series)
35	Red 0	O	LCD_D12 (22 R in series)
36	GND	P	Ground
37	GND	P	Ground
38	DCLK	O	LCD_SCLK (22 R in series) / 10 pF
39	GND	P	Ground
40	GND	P	Ground