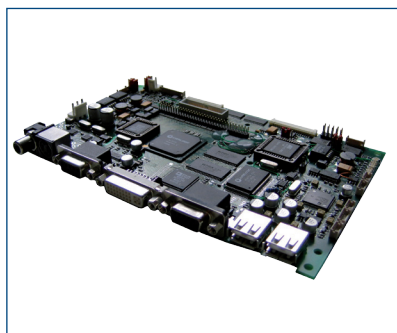
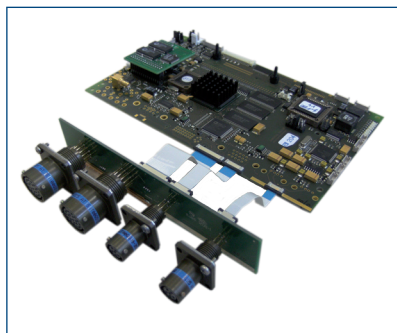




TFT- Controller- Card AKV 06 serie for Connection of LCD-Panels to DVI, RGB Analogue (CRT) and PAL/NTSC Video Sources

type number 46618



Features:

- Resolution up to SXGA (1280x1024) up / downscaling
- PAL / NTSC Video Input with Picture-in-Picture capability (optional)
- On Board 3x8 Bit Single LVDS Transmitter (optional)
- On Board 4-Port USB 2.0 Hub 2x ext. 2x int. (optional)
- On Board 2W Stereo Amplifier (optional)
- Flex Jumper Input for customized conn. Input PCB
- 6-Layer PCB for EMI Improvement

Ask for further technical information!
Functional or interface modifications can be realized on request. Each configuration change causes a new type number.

Technical Data:

Scaling:	All Resolutions from VGA to SXGA
Display standards:	Generally all VESA compatible modes are supported
DOS:	720x400, 640x350, 640x400 @70 Hz
VGA:	640x480 max. 85 Hz
SVGA:	800x600 max. 85 Hz
XGA:	1024x768 max. 85 Hz
SXGA:	1280x1024 max. 60 Hz
Analogue RGB:	Supports up to 140 MHz operation Sync on Green: (depending on PCB-version) Composite Sync: (depending on PCB-version)
DVI:	Supports up to 160 MHz operation, Single Link on Chip TMDS receiver
NTSC / PAL Input:	1x CVBS through Cinch connector, optional SMA conn.
USB-Hub (optional):	USB 2.0, 2x USB A conn. downstream (external), 2x internal e. g. for touchscreen etc. USB-Upstream / Audio-in vs. 9-pin Sub-D Conn.
Audio Amplifier (optional):	Integrated 2W-Stereo Audio-Amplifier
Colors:	16 million colors, 256 shades of grey
Display connectors:	6-Bit TTL Interface, 40 pin. ODU- Minifix Connector 8-Bit TTL Interface, 66 pin 2mm pitch double row 24-Bit LVDS Interface (LDI Mapping), Hirose DF-14 Connector (option)
Temperature:	Operating: -31 °C to +70 °C, 5-95 RH, non-condensing. Ask factory for conformal coating
Dimensions:	PCB: 180 x 110 mm