

## DATENBLATT

### ACES 50399 Series



## BESCHREIBUNG

Here we offer you the new [ACES](#) plug of the 50399 series in 0.50 mm pitch in a 40 pole version. The ACES connector is preferably used for LVDS and eDP applications and is designed for single strands as well as for coaxial or micro-coaxial and teflon cables. The mating height of the plug connector is 2 mm. It is suitable for AWG36 to AWG42 wires.

LVDS cables are used in numerous devices, including flat screen tv, infotainment systems in motor vehicles, in digital or industrial cameras and in industrial image processing, as well as in printers, scanners, copiers, notebooks, tablets, computers and many other communication systems. LVDS offers excellent transmission characteristics with clear image reproduction.

The plug connectors of the ACES 50399 series are available in a 30, 40 or 50 pole versions. We realise your customised cable assemblies – according to your specifications. We are here for you and would be happy to advise you, feel free to contact us any time!

### Technical specifications:

- connector: ACES 50399
- pitch: 0.50 mm
- height: 2.00 mm
- AWG#: 36 ~ 42
- mates with: ACES 50398
- mating cycles: 30, 40, 50
- RoHS compliant
- operating temperature: -55 ? ~ +85 ?

### Electrical characteristics:

- voltage: 50 V AC
- current rating: AWG32 = 0.35 A, AWG34 = 0.35 A, AWG36 = 0.30 A, AWG40 = 0.25 A, AWG42 = 0.20 A
- contact resistance: max. 60 m $\Omega$
- dielectric withstanding voltage: 150 V AC
- insulation resistance: min. 100 M $\Omega$

The ACES connector can be processed as:

- strand wire: AWG32
- micro coaxial wire: AWG36, AWG40, AWG42
- cables with teflon insulation (FEP, PTFE): AWG34

Cable is used for the following CPU boards:

- MS-98E6
- MS-98G2
- MS-98H3
- MS-98F1
- MS-98B1

Suitable connector on PCB:

- 50398-030
- 50398-040
- 50398-050
- 50406-030
- 50406-040
- 50406-050

Suitable connector for cable assembly:

- 50399-030
- 50399-040
- 50399-050
- 50407-030
- 50407-040
- 50407-050

- 50412-030
- 50412-040
- 50412-050

## BILDER



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