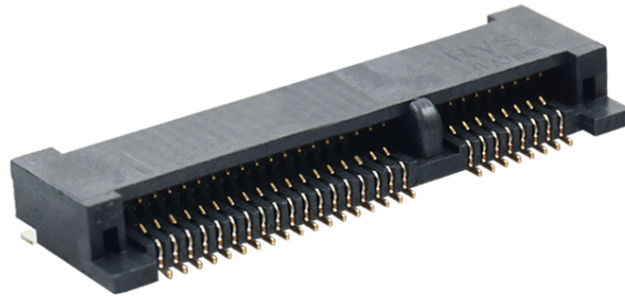


## DATENBLATT

# STE-ACES-51700-0520W-001



ES&S Solutions GmbH  
Gewerbering 2  
41751 Viersen, Germany

Telefon: +49 (0)2162-266-18-0  
Fax: +49 (0)2162-266-18-88  
E-Mail: [info@esskabel.de](mailto:info@esskabel.de)

[www.esskabel.de](http://www.esskabel.de)

**Disclaimer:** In the absence of confirmation by device specification sheets, ES&S Solutions GmbH takes no responsibility for any defects that occur in equipment using any of ES&S's devices, shown in catalogs, data books, etc. Contact ES&S in order to obtain the latest device specification sheets before using any ES&S's device. ES&S reserves the right to make changes in the specifications, characteristics, data, materials, structures and other contents described herein at any time without notice in order to improve design or reliability. Contact ES&S in order to obtain the latest specification sheets before using any ES&S's device. Manufacturing locations are also subject to change without notice. Observe the following points when using any device in this publication. ES&S takes no responsibility for damage caused by improper use of the devices. ES&S's devices shall not be used for equipment that requires extremely high level of reliability, such as: -Military and space applications -Nuclear power control equipment -Medical equipment for life support

## BESCHREIBUNG

Here we offer you the new [ACES](#) connector type 51700 in 0.8 mm pitch.

The ACES connector is designed for PCI Express Mini Card applications. The interface supports PCI Express, USB 2.0 and USB 3.0 connections. Most notebooks (from 2005) are based on PCI Express and have slots for PCI Express Mini Cards.

A locking option is available for fixing the module to the connector. The latch has mechanisms on both sides for module ejection. Two types of module mounting heights are available. A stand-off type allows components of under 1.8 mm height to be placed below the module.

### Technical specifications:

- connector: ACES 51700, 52 pin, black
- pitch: 0.8 mm
- height: 4,00 mm
- PCB mounting: SMT
- right angled
- product height (mm): 4,00
- centre height (mm): 1,60
- PCB to top height (mm): 1,60
- Mating cycle: 50
- RoHS compliant
- Minimum order quantity: 850 pcs. (Tape or roll)
- Temperature range: -40 ? ~ +80 ?

### Electrical characteristics:

- Voltage: 50 V AC per contact
- Current: 0.5 A per contact
- Contact resistance: max. 75 m?

ES&S Solutions GmbH  
Gewerbering 2  
41751 Viersen, Germany

Telefon: +49 (0)2162-266-18-0  
Fax: +49 (0)2162-266-18-88  
E-Mail: [info@esskabel.de](mailto:info@esskabel.de)

[www.esskabel.de](http://www.esskabel.de)

Disclaimer: In the absence of confirmation by device specification sheets, ES&S Solutions GmbH takes no responsibility for any defects that occur in equipment using any of ES&S's devices, shown in catalogs, data books, etc. Contact ES&S in order to obtain the latest device specification sheets before using any ES&S's device. ES&S reserves the right to make changes in the specifications, characteristics, data, materials, structures and other contents described herein at any time without notice in order to improve design or reliability. Contact ES&S in order to obtain the latest specification sheets before using any ES&S's device. Manufacturing locations are also subject to change without notice. Observe the following points when using any device in this publication. ES&S takes no responsibility for damage caused by improper use of the devices. ES&S's devices shall not be used for equipment that requires extremely high level of reliability, such as: -Military and space applications -Nuclear power control equipment -Medical equipment for life support

- Dielectric withstand voltage: min. 300 V AC
- Insulation resistance: min. 500 M?

Further ACES connectors of the MM60 series:

- MM60-52B1-B1-R850
- MM60-52B1-E1-R650
- MM60-52B1-G1-R850

Locking: MM60-EZH039-B5-R850, MM60-EZH059-B5-R650

Standoff: NT1R3000, NT4R1600

ES&S Solutions GmbH  
Gewerbering 2  
41751 Viersen, Germany

Telefon: +49 (0)2162-266-18-0  
Fax: +49 (0)2162-266-18-88  
E-Mail: [info@esskabel.de](mailto:info@esskabel.de)

[www.esskabel.de](http://www.esskabel.de)

Disclaimer: In the absence of confirmation by device specification sheets, ES&S Solutions GmbH takes no responsibility for any defects that occur in equipment using any of ES&S's devices, shown in catalogs, data books, etc. Contact ES&S in order to obtain the latest device specification sheets before using any ES&S's device. ES&S reserves the right to make changes in the specifications, characteristics, data, materials, structures and other contents described herein at any time without notice in order to improve design or reliability. Contact ES&S in order to obtain the latest specification sheets before using any ES&S's device. Manufacturing locations are also subject to change without notice. Observe the following points when using any device in this publication. ES&S takes no responsibility for damage caused by improper use of the devices. ES&S's devices shall not be used for equipment that requires extremely high level of reliability, such as: -Military and space applications -Nuclear power control equipment -Medical equipment for life support

BILDER



Disclaimer: In the absence of confirmation by device specification sheets, ES&S Solutions GmbH takes no responsibility for any defects that occur in equipment using any of ES&S's devices, shown in catalogs, data books, etc. Contact ES&S in order to obtain the latest device specification sheets before using any ES&S's device. ES&S reserves the right to make changes in the specifications, characteristics, data, materials, structures and other contents described herein at any time without notice in order to improve design or reliability. Contact ES&S in order to obtain the latest specification sheets before using any ES&S's device. Manufacturing locations are also subject to change without notice. Observe the following points when using any device in this publication. ES&S takes no responsibility for damage caused by improper use of the devices. ES&S's devices shall not be used for equipment that requires extremely high level of reliability, such as: -Military and space applications -Nuclear power control equipment -Medical equipment for life support

ES&S Solutions GmbH  
 Gewerbering 2  
 41751 Viersen, Germany

Telefon: +49 (0)2162-266-18-0  
 Fax: +49 (0)2162-266-18-88  
 E-Mail: info@esskabel.de

[www.esskabel.de](http://www.esskabel.de)