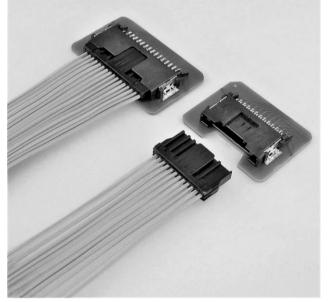
CMECCONNECTOR

Board-to-wire



Developed in pursuit of miniaturization and low profile as surface mounting type connector for automotive.

■ Features

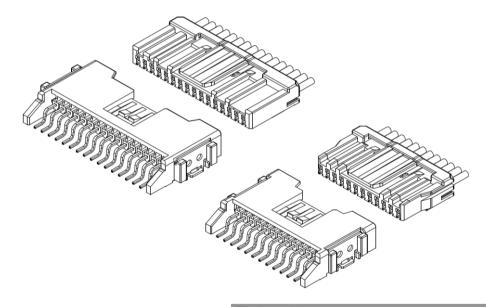
• Miniaturization and Low profile

0.50 terminal with 2.0mm pitch realized miniaturization and low profile.

Max male and female connector mating and unmating operation height: 6.5mm.

Integrated housing latch design to keep good hand feeling.

High terminal reliability with TPA structure.



■ Specifications

Current rating : 3A AC, DC max
 Withstanding voltage: 1,000 VAC / minute
 Temperature range : -40°C to +105°C

(including temperature rise in applying

electrical current)

●Contact resistance : Initial value/ 10 mΩ max.

After environmental tests/ 20 m Ω max.

•Insulation resistance : 100 M Ω min.

● Applicable wire : AESSX 0.3mm², UL3265 0.3mm²

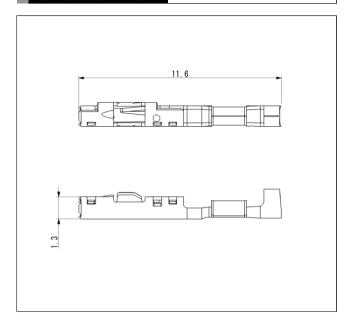
FLRY-A 0.35mm², AVSS 0.3mm²

(Equivalent to AWG#22, Insulation O.D.Ø1.4mm max)

^{*}Compliant with ELV/RoHS.

^{*}Contact JST for details.

Female terminal

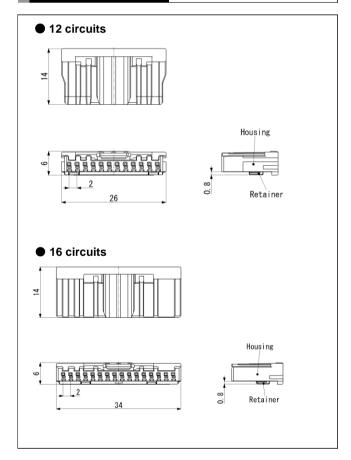


| Model No. | Applicable wire range | | |
|-----------------|-----------------------|----------------------------|-----------|
| | Conductor (mm²) | Insulation O.D. (mm) | Q'ty/reel |
| SMEC-A021T-M0.5 | 0.3 | 1.4 max. | 10,000 |

Material and Finish

Copper alloy, nickel-undercoated, tin-plated

Female connector



| Circuits | Model No. | Housing Color | Q'ty/box |
|----------|-----------------|------------------|----------|
| 12 | 12CMEC-B-1A-K-A | Black | 2,079 |
| | 12CMEC-B-1A-K-B | Black | 2,079 |
| 16 | 16CMEC-B-1A-K-A | Black | 1,701 |
| | 16CMEC-B-1A-K-B | Black | 1,701 |

Material and Finish

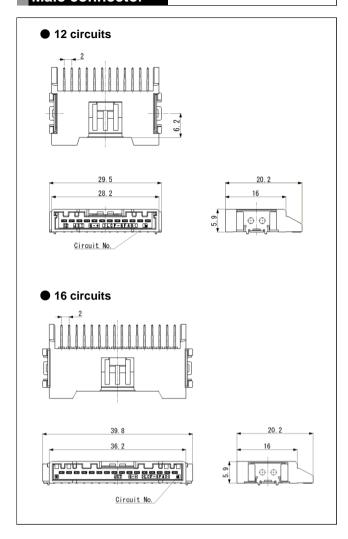
Housing: PBT, Black (UL94 V-0)

Retainer: Glass-filled PBT, Blue (UL94 V-0)

Note: Color/Key codes other than above mentioned housing are also available. Contact JST for details.

CMEC CONNECTOR

Male connector



| Circuits | Model No. | Housing Color | Q'ty/box |
|----------|------------------|------------------|----------|
| 12 | SM12B-CMECK-1A-A | Black | 1,200 |
| | SM12B-CMECK-1A-B | Black | 1,200 |
| 16 | SM16B-CMECK-1A-A | Black | 1,200 |
| | SM16B-CMECK-1A-B | Black | 1,200 |

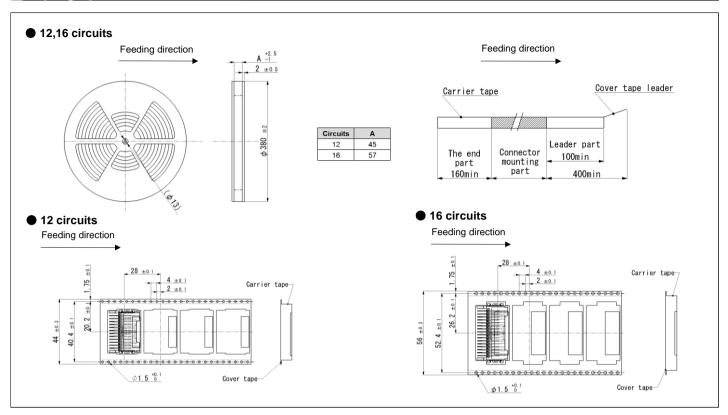
Material and Finish

Housing: Glass-filled LCP, Black (UL94 V-0)

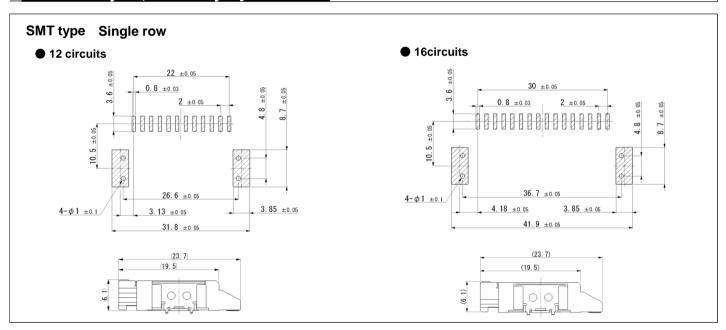
Pin: Copper alloy, nickel-undercoated, tin-plated

Note: Key codes other than abovementioned housing are also available. Contact JST for details.

Taping specifications



PC board layout, Assembly layout



Note: 1. Tolerances are non-cumulative: ±0.05mm for all centers.

Hole dimensions differ according to the type of PC board and piercing method. The dimensions above should serve as guideline. Contact JST for details.

Crimping machine, Applicator

| Strip terminal | Crimping machine | Crimp applicator MKS-L | | |
|-----------------|------------------|------------------------|----------------------------|--|
| Strip terminal | | Dies | Crimp applicator with dies | |
| SMEC-A021T-M0.5 | AP-K2N | MK/SMEC-A021-05 | APLMK SMEC-A021-05 | |

Note: 1. Contact JST for details.

2. When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.

单击下面可查看定价,库存,交付和生命周期等信息

>>JST(杰世腾)