

VARTA EasyPack

Counter-fitting Connectors

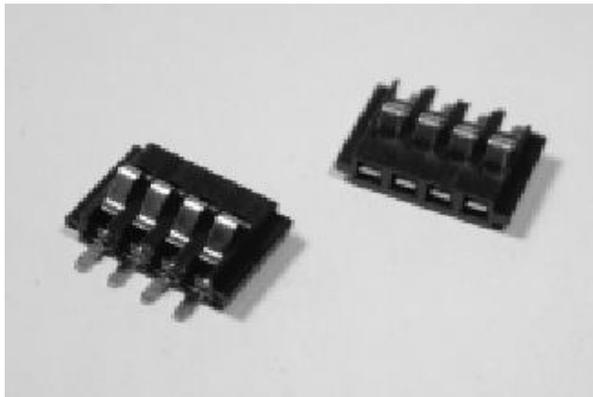
- EasyPack S, L, XL
- EasyPack SLIM



VARTA EasyPack S, L & XL : Examples of counter-fitting battery connector



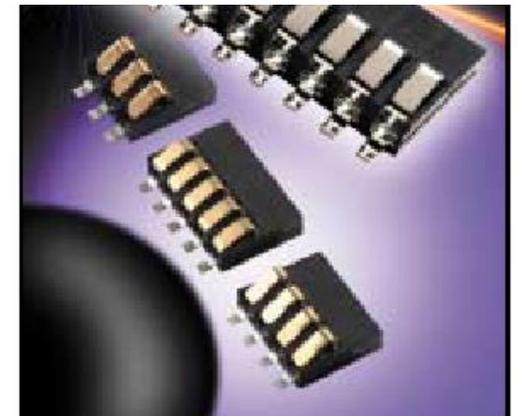
as standard component available



SUYIN 25007



Bourns 70 AAM



AVX 9155 MOBO

VARTA EasyPack S, L & XL: Battery Connector as a standard component available



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9155 MOBO™ Battery Connector



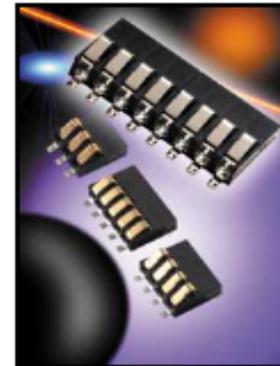
GENERAL DESCRIPTION:

The standard battery connector is specifically designed for mobile equipment.

The connectors are available in 3, 4, and 5 contact positions all on a 2.50mm pitch. The insulator height provides a 3mm spacing, with various contact nose heights from 1.20mm to 2.60mm, to provide spacing options to the end user.

All contacts are stamped and are rated to 3A, with plating options in Tin or Gold. Parts are supplied in tape and reel for automatic pick and place. Optional retaining brackets are available to provide greater strength when connected to the PCB.

Whatever your requirements, the 9155 series Battery Connector can also be customized to suit your application.



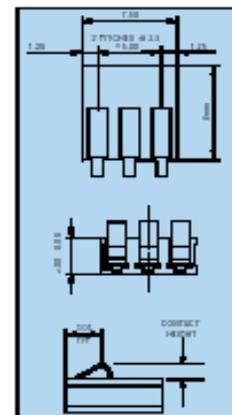
APPLICATIONS

- Mobile Phones,
- PDA,
- Medical,
- PMR,
- Industrial.

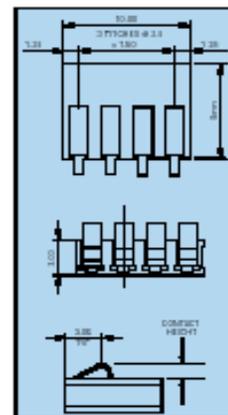
KEY FEATURES AND BENEFITS

- Suitable for 5000 mechanical cycles.
- Variety of contact heights offered to suit different mechanical designs.
- Connectors can be end to end stackable.

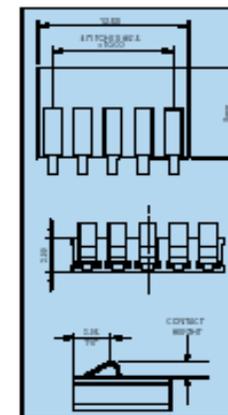
3 WAY BATTERY CONNECTOR



4 WAY BATTERY CONNECTOR



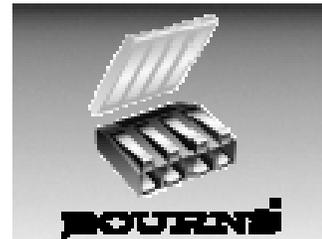
5 WAY BATTERY CONNECTOR



VARTA EasyPack S, L & XL: Battery Connector as a standard component available



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Features

- 2.54mm pitch & height
- 2 to 6 precious metal contacts
- End-to-end stackable
- Twin hot contacts (symmetrical pad layout)
- Pick & place compatible
- High cycle life

Applications

- Handheld communications - mobile phones, pagers, cordless phones, GPS, PIDs, radios
- Portable consumer equipment - PDAs, HPCs, notebook PCs, cameras, digital phones, PIDs, games
- Component-to-board, SIM cards, etc.

70AA/Male - Modular Contact

Materials & Finishes

Insulator.....Glass reinforced thermoplastic, UL 94V-0 rated, black
 Contact.....Copper alloy
 Finish
 Underplating.....30µ" - 60µ" nickel
 Contact Area.....50µ" Au over nickel

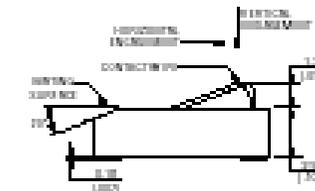
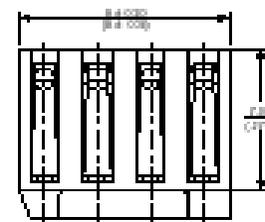
Operating Characteristics

Electrical
 Current Rating.....0A/contact
 Voltage Rating.....30V
 Contact Resistance.....25mΩ max.
 Dielectric Voltage.....AC 500V
 Insulating Resistance.....1000MΩ min.
 Operating Temperature.....-55°C to 125°C
 Mechanical
 Normal Force.....80 grams min.
 Durability.....10,000 cycles min.

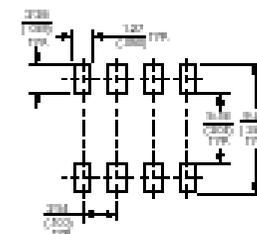
How to Order

70AA J - 4 - M 0 G
 Model
 Terminal Style J - 50µ" Pitch
 Number of Contacts (N) 4 (through 6)
 Gender M - Male
 Type 0 - Standard
 Packaging Option 0 - 5000
 G - Bin boxed tape (750 pcs. per reel)

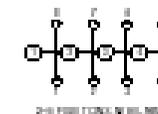
Product Dimensions



Recommended PWB Layout



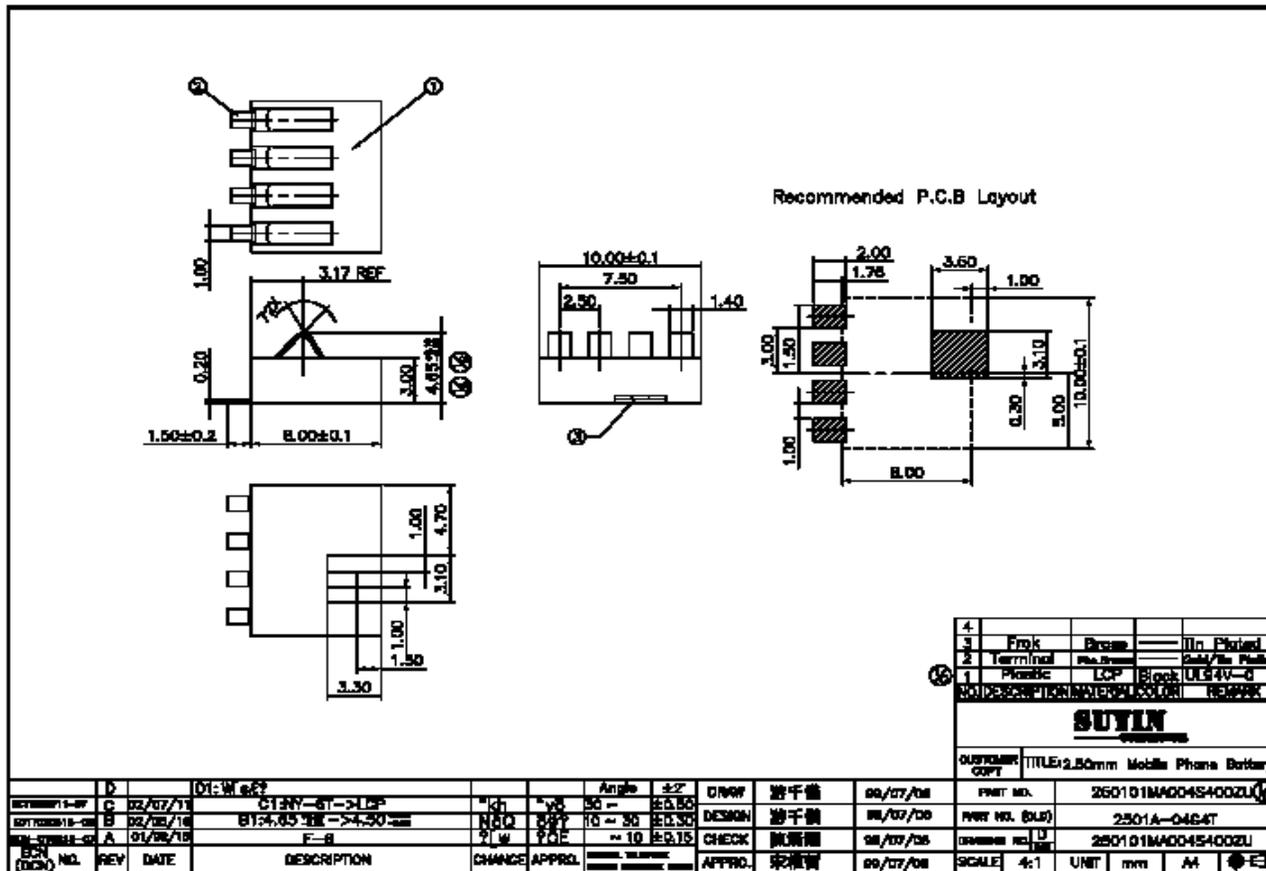
Electrical Schematic



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VARTA EasyPack SLIM: Connector as a standard component available



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Product Name : [300015MB003XX01XX](#)
Product No. : 300015MB003XX01XX
Application Type : Desktop Computer,Mobile Phone
Product Catalog : Battery » SPRING BATTERY



Product Name : [300015MB003XX00XX](#)
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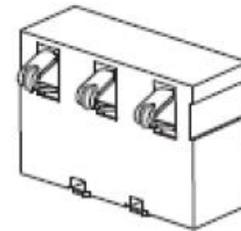
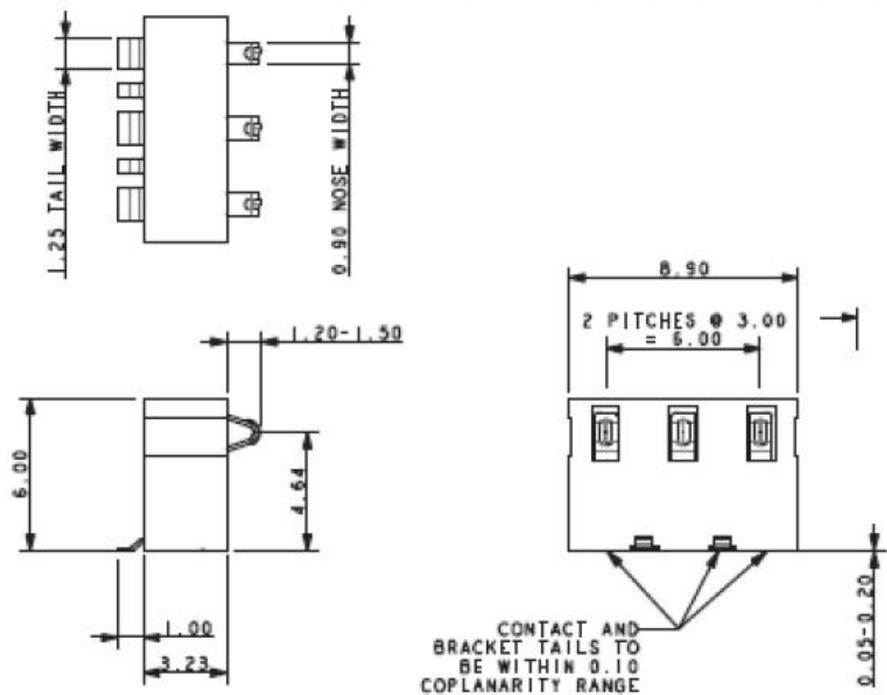
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Product No. : 300010MB003XX01XX
Application Type : Desktop Computer,Mobile Phone
Product Catalog : Battery » SPRING BATTERY

VARTA EasyPack SLIM: Connector as a standard component available



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3 WAY RIGHT ANGLE BATTERY CONNECTOR



Right Angle 3.0mm Pitch Battery 
9155-300



A further addition to the battery connector range offered by AVX is a 90 degree version. On a 3mm pitch, offered in 2 to 6 contact positions and rated as with all of the battery range at 3 amps. The connector's design is small and compact to minimize its profile yet stable while having a contact point 4.61mm above the PCB.

The stability comes from the addition of extra SMT anchor brackets that are in between the SMT contact pads and both at the front of the connector and within the row of the contact SMT pads.

As with the other 9155 series of battery connectors offered by AVX the 90 degree version is rated at 3 amps and 5000 mating cycles, RoHS compliant and using high temperature plastic enables the connectors to be processed at up to 260°C.

Thanks for your Attention!

