



KEL 8903N-FS Series 1.27mm Pitch 2 Piece Low Profile Connector / Flexible Stack Type

The 89 Series of low-profile, half-pitch connectors utilizes the concept of securely-fit, one-point contacts. Having the most compact design and lowest profile of all KEL half-pitch connectors and also featuring a guide mechanism, this product is ideal for SMT applications. The 8903N-FS Series comprises flexible-stack type connectors with the same shape and dimensions of those of the 8903 Series. That series - having gained an excellent reputation in practical situations - provided the basic design of the 8903N-FS connectors; accordingly, the 8903N-FS connectors can be coupled as is to those connectors compatible with the 8903 Series (i.e., 8913-XXX-178SX-X, 8913-XXX-178MSX-A, 8903E-XXX-178MS, and 8931E-XXX-178X). Standard parts offer stacking heights of 20, 22, 24, 26, 28 and 30 mm; however, KEL can also provide connectors with other heights between 20 and 32 mm.



Features

- Heights between 20 and 32 mm are also supported in a highly flexible manner.
- Standard stacking heights are 20, 22, 24, 26, 28 and 30mm (0.787", 0.866", 0.945", 1.024", 1.102" and 1.181").
- 8903N-FS series will mate with 8913 / 8930E / 8931E series.
- Six sizes: 40, 60, 68, 80 and 100 pins.
- Reliable contact design
- RoHS compliance

Specifications

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| Insulator material | Glass-filled PPS (UL 94V-0), Brown |
| Contact material | Copper alloy |
| Contact plating | Contact area ; Gold over Nickel Terminal area ; Tin copper over Nickel |
| Current rating | 0.5A per contact |
| Contact resistance | 40mΩ max. (xcluding conductor resi stance) |
| Dielectric withstanding voltage | 650V AC for 1 minute |
| Insulation resistance | 1,000MΩ min. at 500V DC |
| Operating Temperature | -55°C to +85°C |

(July, 2010)

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