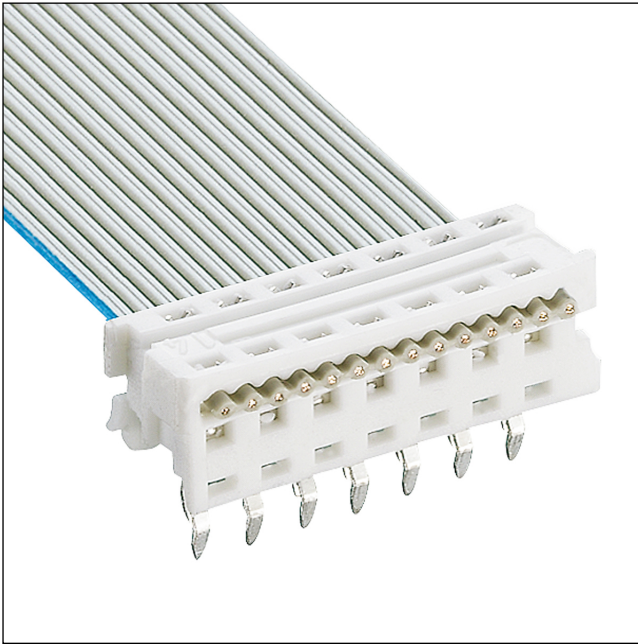


30 MICAL

Micromodul™ connectors, pitch 1.27 mm

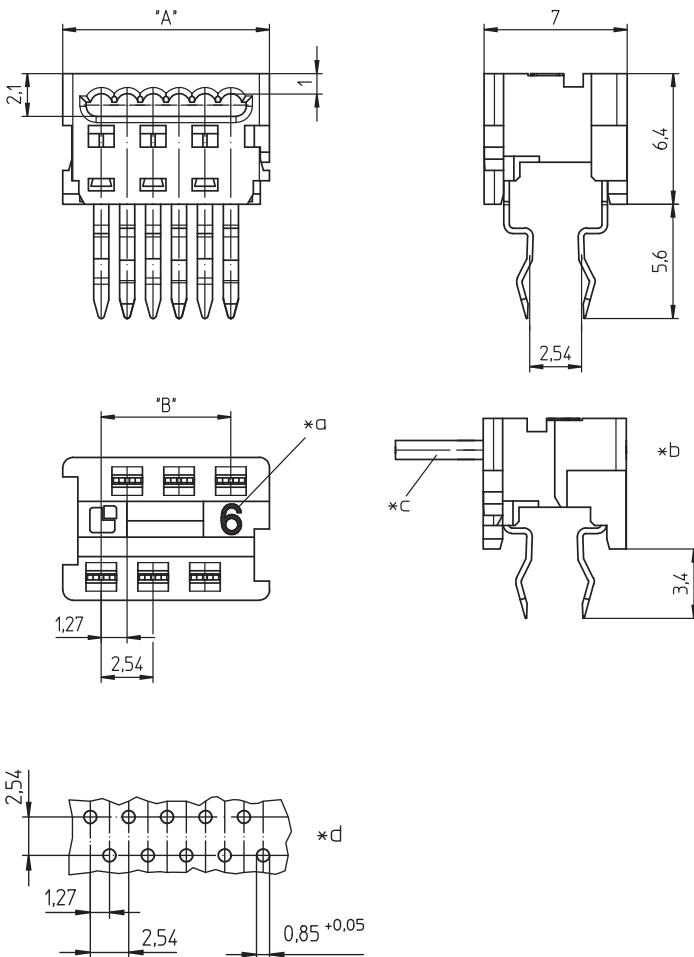


Micromodul™ solder-in connector, insulation displacement technology (IDT), solder contacts dual row staggered

Approvals:



30 MICAL



- *a marking: number of poles
- *b terminated connector
- *c flat cable
- *d printed circuit board layout, solder side view

Environmental conditions

Temperature range -40 °C/+120 °C¹
¹ upper limit temperature (insulating body) RTI (electrical) of the UL Yellow Card

Materials

Insulating body PBT, V-0 according to UL94
 Contact spring CuSn, tin-plated

Connectable conductors for IDT area

Construction flat cable 1.27 mm LiYV
 Section min. AWG 28 (0.09 mm²)
 Section max. AWG 26 (0.14 mm²)
 Insulation diameter 1.0 mm
 Approved cables at www.lumberg.com

Electrical data (at T_{amb} 20 °C)

Contact resistance ≤ 10 mΩ
 Rated current 1.2 A
 Rated voltage 32 V AC
 (250 V AC not considering clearances and creepage distances of IEC 60664/DIN EN 60664)
 Material group IIIa (IEC)/3 (UL) (CTI ≥ 175)
 Creepage distance 0.54 mm
 Clearance 0.54 mm
 Insulation resistance > 1 GΩ

Associated products

Harnessing equipment
 ☞ HZ-M30 ☞ KHP30 ☞ PP30
 ☞ VARICON 1000 ☞ VARICON 1000-Eco

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| Designation | Pole Number | PU (Pieces) | MDQ (Pieces) | Dimensions | |
|-------------|-------------|-------------|--------------|------------|--------|
| | | | | A (mm) | B (mm) |
| MICAL 04 | 4 | 250 | 1000 | 7.59 | 3.81 |
| MICAL 06 | 6 | 250 | 1000 | 10.13 | 6.35 |
| MICAL 08 | 8 | 250 | 1000 | 12.67 | 8.89 |
| MICAL 10 | 10 | 250 | 1000 | 15.21 | 11.43 |
| MICAL 12 | 12 | 250 | 1000 | 17.75 | 13.97 |
| MICAL 14 | 14 | 250 | 1000 | 20.29 | 16.51 |
| MICAL 16 | 16 | 250 | 500 | 22.83 | 19.05 |
| MICAL 18 | 18 | 250 | 500 | 25.37 | 21.59 |
| MICAL 20 | 20 | 250 | 500 | 27.91 | 24.13 |
| MICAL 26 | 26 | 250 | 500 | 35.53 | 31.75 |

Packaging:

in bulk, in a cardboard box – in bar stock carriers upon request