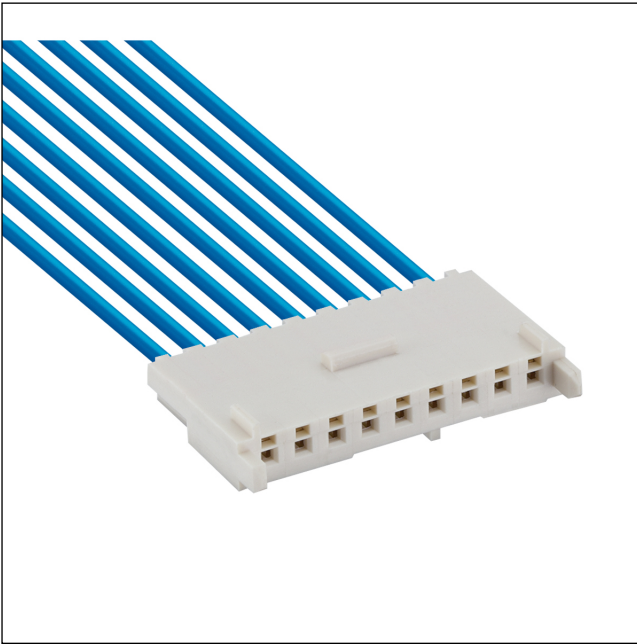


38


3820

Multimodul™ connectors, pitch 2.5 mm

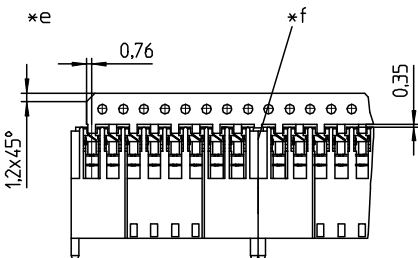
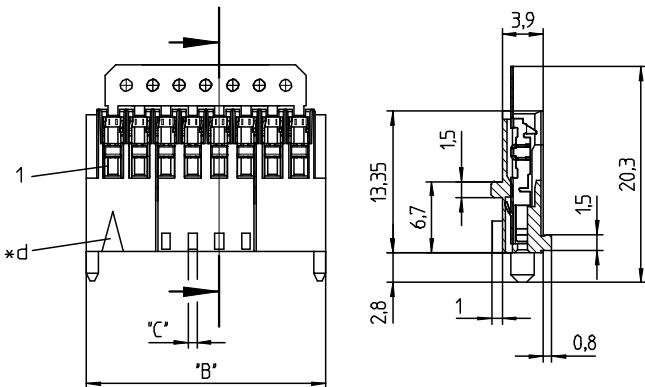
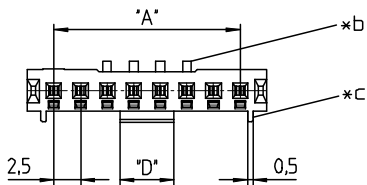
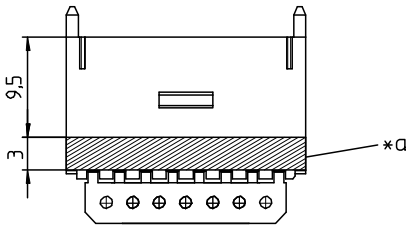


Multimodul™ connector for indirect mating, insulation displacement technology (IDT), with insulator crimp as strain relief

State: Phasing out

Approvals: 

38 3820



- *a color keying strip
- *b keying nose
- *c guide rib
- *d marking contact 1
- *e delivery on holding strap
- *f no contact spring between connectors

Environmental conditions

Temperature range -40 °C/+120 °C

Materials

Insulating body PBT GF, V-0 according to UL94 – 3820 ... 00
PA GF, V-0 according to UL94 – 3820 ... 30¹

Contact spring CuSn, tin-plated

¹ 30: component glow wire resistant (GWT 750 °C), testing acc. to IEC 60695-2-11, assessment acc. to IEC 60335-1 (flame < 2 s)

Mechanical data

Insertion force/contact ≤ 4,0 N
Withdrawal force/contact ≥ 0,5 N
Further data proposed keyings on request






Connectable conductors for IDT area


Section min. 0,196 mm²
Section max. 0,22 mm²
Insulation diameter 1,5 mm
Approved cables at www.lumberg.com

Electrical data (at T_{amb} 20 °C)

Rated current 3 A
Rated voltage 63 V AC (Verschmutzungsgrad 3)
200 V AC (Verschmutzungsgrad 2)
Material group IIIa (CTI ≥ 175) – 3820 ... 00
IIIa (CTI ≥ 250) – 3820 ... 30
Creepage distance ≥ 2,0 mm
Clearance ≥ 2,0 mm
Insulation resistance > 1 GΩ

Associated products

Counterparts
 3850  3851  3852
 3853  8385 A 01

Harnessing equipment
 KHP38

| Designation | Pole Number | PU (Pieces) | MDQ (Pieces) | Dimensions | | | |
|-------------|-------------|-------------|--------------|------------|--------|--------|--------|
| | | | | A (mm) | B (mm) | C (mm) | D (mm) |
| 3820 02 | 2 | 7500 | 15000 | 2.5 | 7.5 | 1.3 | 1.20 |
| 3820 03 | 3 | 6000 | 12000 | 5.0 | 10.0 | 1.3 | 3.15 |
| 3820 04 | 4 | 4500 | 9000 | 7.5 | 12.5 | 0.8 | 5.00 |
| 3820 05 | 5 | 3750 | 7500 | 10.0 | 15.0 | 0.8 | 5.00 |
| 3820 06 | 6 | 3000 | 6000 | 12.5 | 17.5 | 0.8 | 5.00 |
| 3820 07 | 7 | 3000 | 6000 | 15.0 | 20.0 | 0.8 | 5.00 |
| 3820 08 | 8 | 2250 | 6750 | 17.5 | 22.5 | 0.8 | 5.00 |
| 3820 09 | 9 | 2250 | 6750 | 20.0 | 25.0 | 0.8 | 5.00 |
| 3820 10 | 10 | 2250 | 6750 | 22.5 | 27.5 | 0.8 | 5.00 |
| 3820 11 | 11 | 1500 | 6000 | 25.0 | 30.0 | 0.8 | 5.00 |
| 3820 12 | 12 | 1500 | 6000 | 27.5 | 32.5 | 0.8 | 5.00 |
| 3820 13 | 13 | 1500 | 6000 | 30.0 | 35.0 | 0.8 | 5.00 |
| 3820 14 | 14 | 1500 | 6000 | 32.5 | 37.5 | 0.8 | 5.00 |
| 3820 15 | 15 | 1500 | 6000 | 35.0 | 40.0 | 0.8 | 5.00 |
| 3820 16 | 16 | 750 | 5250 | 37.5 | 42.5 | 0.8 | 5.00 |
| 3820 17 | 17 | 750 | 5250 | 40.0 | 45.0 | 0.8 | 5.00 |
| 3820 18 | 18 | 750 | 5250 | 42.5 | 47.5 | 0.8 | 5.00 |
| 3820 19 | 19 | 750 | 5250 | 45.0 | 50.0 | 0.8 | 5.00 |
| 3820 20 | 20 | 750 | 5250 | 47.5 | 52.5 | 0.8 | 5.00 |

Designation to be completed by further details (e.g. for keying, color or material options).

Packaging:

on a holding strap, in a foil bag strap, in a cardboard box