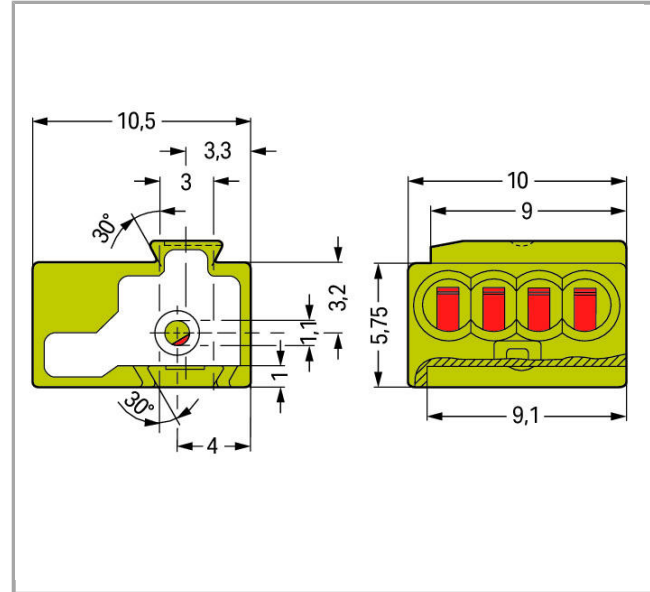


Data sheet | Item number: 243-744

4-conductor modular PCB connector; for individual solder pins; 0.8 mm Ø;
Pin spacing 5.75 mm; 4-pole



243-744



RoHS Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color: ■

Item description

- Compact, 4-conductor PCB connectors with PUSH WIRE® connection
- Can be assembled to connector strips via dovetail joints
- Push-in termination of solid conductors
- Four entries for power supply and potential distribution
- Quick and easy PCB replacement, without disrupting looped-through potentials

Data

Electrical data



Ratings per IEC/EN 60664-1

| | |
|---------------------------------|-------|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated voltage (III / 2) | 320 V |
| Rated impulse voltage (III / 2) | 4 kV |
| Rated voltage (II / 2) | 630 V |
| Rated impulse voltage (II / 2) | 4 kV |
| Rated current | 6 A |

Approvals per UL 1059

| | |
|--------------------------------|-------|
| Rated voltage UL (Use Group B) | 150 V |
| Rated current UL (Use Group B) | 7 A |
| Rated voltage UL (Use Group D) | 150 V |
| Rated current UL (Use Group D) | 7 A |

Approvals per CSA

| | |
|---------------------------------|-------|
| Rated voltage CSA (Use Group B) | 150 V |
| Rated current CSA (Use Group B) | 7 A |
| Rated voltage CSA (Use Group D) | 150 V |
| Rated current CSA (Use Group D) | 7 A |

Connection data

| | |
|-----------------------------------|---|
| Connection technology | PUSH WIRE® |
| Connectable conductor materials | Copper |
| Solid conductor | 0.5 ... 1 mm ² / 24 ... 18 AWG |
| Conductor diameter | 0.5 ... 1 mm |
| Strip length | 5 ... 6 mm / 0.2 ... 0.24 inch |
| Conductor entry angle to the PCB | 0° |
| No. of poles | 4 |
| Total number of connection points | 16 |
| Total number of potentials | 4 |
| Number of connection types | 1 |
| Number of levels | 1 |

Geometrical Data

| | |
|-------------|----------------------|
| Pin spacing | 5.75 mm / 0.226 inch |
| Width | 23 mm / 0.906 inch |
| Height | 10 mm / 0.394 inch |

| | |
|-----------------------------------|-------------------------------------|
| Depth | 10.5 mm / 0.413 inch |
| Solder pin length | 4.5 mm |
| Solder pin diameter | 1 mm |
| Drilled hole diameter (tolerance) | 1.2 ^(-0.05 ... +0.05) mm |

Plug connection

| | |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector connection type | for PCBs |
| Mating direction to the PCB | 90° |

PCB contact

| | |
|-------------|-----|
| PCB contact | THT |
|-------------|-----|

Material Data

| | |
|-----------------------------|--|
| Color | light green |
| Material group | I |
| Insulating material | Polyamide 66 (PA 66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Copper alloy |
| Contact material | Electrolytic copper (E _{Cu}) |
| Contact plating | tin-plated |
| Fire load | 0.048 MJ |
| Weight | 3.1 g |

Environmental Requirements


| | |
|-------------------------|-----------------|
| Limit temperature range | -60 ... +105 °C |
|-------------------------|-----------------|





Commercial data

| | |
|--------------------|---------------|
| Country of origin | DE |
| GTIN | 4044918441988 |
| Customs Tariff No. | 8536901000 |


Approvals / Certificates

Country specific Approvals


| Logo | Approval | Additional Approval Text | Certificate name |
|--|---------------------------------|--------------------------|------------------|
|  | CCA DEKRA Certification B.V. | EN 60998 | NTR NL 7486 |

| | | | |
|--|---------------------------------------|----------|------------|
|  | CSA DEKRA Certification B.V. | C22.2 | 70048857 |
|  | CSA DEKRA Certification B.V. | | 70048857 |
|  | CSA DEKRA Certification B.V. | C22.2 | 70048857 |
|  | KEMA/KEUR DEKRA Certification B.V. | EN 60998 | 2193300.01 |

Ship Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|---|------------------------------------|--------------------------|--------------------------|
|  | ABS American Bureau of Shipping | - | 18- HG1755093- PDA |

UL-Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--------------------------------------|--------------------------|------------------|
|  | UR Underwriters Laboratories Inc. | UL 1059 | E45172 |

Compatible products

General accessories



Item no.: 243-131

Board-to-Board Link; 1-pole

243-131

Marking accessories

Item no.: 210-332/575-103

Marking strips; as a DIN A4 sheet; MARKED; 1-12 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive

210-332
/575-103

Subject to changes.
