

**USB2.0B T1H 2.8N4 TY BK****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Universal Serial Bus 2.0 und 3.0 (SuperSpeed) Typ A Steckverbinder erfüllen die Anforderungen an hohe Widerstandsfähigkeit und bieten zuverlässige Konnektivität.

- Bis zu 5.000 Steckzyklen
- THT-, THR- oder SMT-Lötverfahren
- Erhältlich in den Bauformen 180° (vertikal/stehend) oder 90° (horizontal/liegend)
- Ausführung verpackt im Tray (TY) oder auf Rolle (Tape-on-Reel, RL)
- verstärkte Goldschicht für verbesserten Korrosionsschutz

**Allgemeine Bestelldaten**

|            |                                                                                                                                                          |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ausführung | OMINMATE Data – USB-Buchse, Buchsenleiste, 480 MBit/s, THT-Lötanschluss, 90°, Raster in mm (P): 2.50 mm, Polzahl: 4, PBT, schwarz, Tray (Handbestückung) |
| Best.-Nr.  | <a href="#">2698610000</a>                                                                                                                               |
| Typ        | USB2.0B T1H 2.8N4 TY BK                                                                                                                                  |
| GTIN (EAN) | 4050118740912                                                                                                                                            |
| VPE        | 100 Stück                                                                                                                                                |
| Verpackung | Tray (Handbestückung)                                                                                                                                    |

Erstellungs-Datum 17. April 2021 08:42:01 MESZ

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## Technische Daten

## Abmessungen und Gewichte

|              |           |               |            |
|--------------|-----------|---------------|------------|
| Breite       | 12,04 mm  | Breite (inch) | 0,474 inch |
| Höhe         | 11,05 mm  | Höhe (inch)   | 0,435 inch |
| Nettogewicht | 999 g     | Tiefe         | 16 mm      |
| Tiefe (inch) | 0,63 inch |               |            |

## Elektrische Eigenschaften

|              |      |
|--------------|------|
| Nennspannung | 30 V |
|--------------|------|

## Systemkennwerte

|                              |                            |                     |                        |
|------------------------------|----------------------------|---------------------|------------------------|
| Abgangswinkel                | 90°                        | Leistungs-Kategorie | 480 MBit/s             |
| Lötstiftlänge (l)            | 2,84 mm                    | Lötverfahren        | Handlöten, Wellenlöten |
| Montage auf der Leiterplatte | THT-Lötanschluss           | Polzahl             | 4                      |
| Produktfamilie               | OMINMATE Data – USB-Buchse | Raster in mm (P)    | 2,5 mm                 |
| Schirmung                    | Ja                         | Übertragungsrate    | 480 MBit/s             |

## Werkstoffdaten

|                          |                  |                                |         |
|--------------------------|------------------|--------------------------------|---------|
| Isolierstoff             | PBT              | Farbe                          | schwarz |
| Farbtabelle (ähnlich)    | RAL 9011         | Brennbarkeitsklasse nach UL 94 | V-0     |
| Kontaktoberfläche        | Gold über Nickel | Betriebstemperatur, min.       | -40 °C  |
| Betriebstemperatur, max. | 85 °C            |                                |         |

## Verpackungen

|            |                       |           |   |
|------------|-----------------------|-----------|---|
| Verpackung | Tray (Handbestückung) | VPE Länge | 0 |
| VPE Breite | 0                     | VPE Höhe  | 0 |

## Klassifikationen

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002637    | ETIM 7.0    | EC002637    |
| ECLASS 9.0  | 27-44-04-02 | ECLASS 9.1  | 27-44-04-02 |
| ECLASS 10.0 | 27-44-04-02 | ECLASS 11.0 | 27-46-02-01 |

## Zulassungen

|      |         |
|------|---------|
| ROHS | Konform |
|------|---------|

## Downloads

|                   |                                          |
|-------------------|------------------------------------------|
| Engineering-Daten | <a href="#">STEP</a>                     |
| Broschüre/Katalog | <a href="#">Catalogues in PDF-format</a> |

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## Zeichnungen

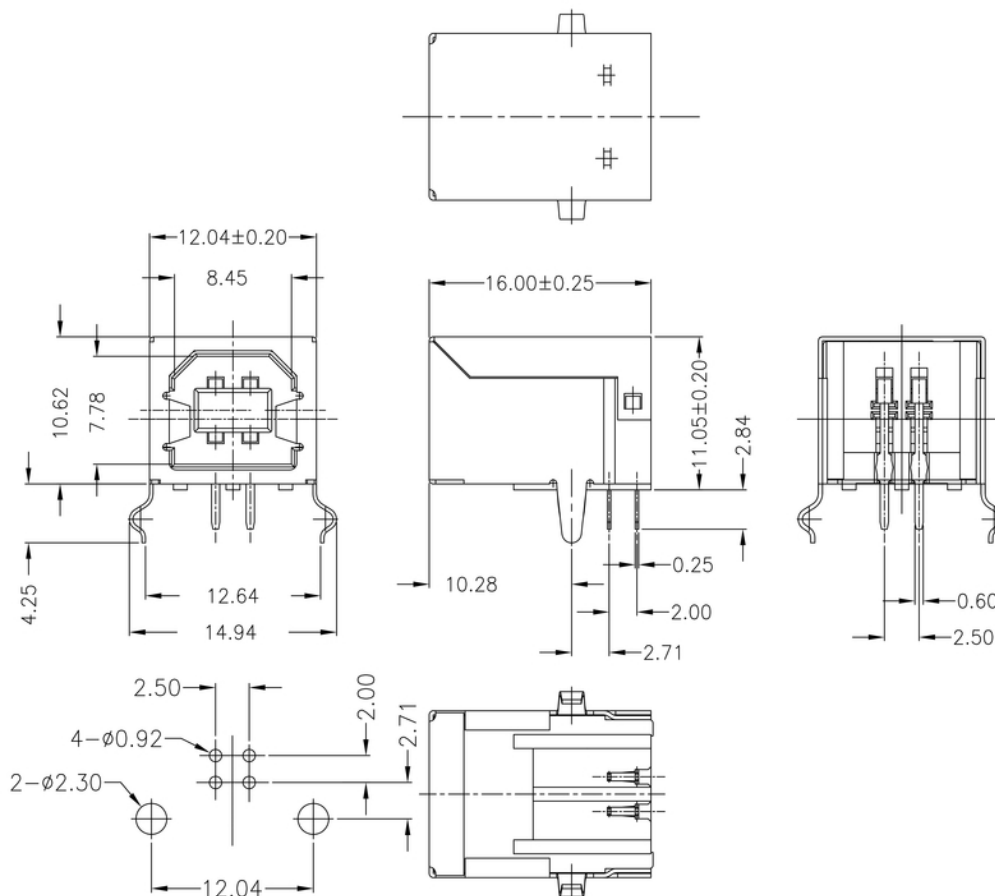
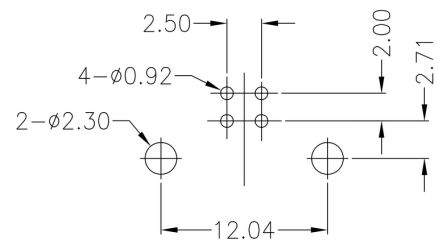


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## Zeichnungen



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## Zeichnungen

### Legende

|     |      |   |   |   |     |   |   |    |    |                         |
|-----|------|---|---|---|-----|---|---|----|----|-------------------------|
| USB | 3.0A | R | 1 | V | 3.0 | N | 4 | TY | BL | USB3.0A R1V 3.0N4 TY BL |
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## Empfohlene Wellen-Lötprofile

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### Einzelwelle:



### Doppelwelle:



### Wellen-Lötprofile

Bedrahtete Anschlüsselemente sind in Anlehnung an die Norm DIN EN 61760-1 zu verarbeiten. Anbei zwei Empfehlungen für praxisbezogene Wellenlötprofile, mit denen Leiterplattenanschlussklemmen und Steckverbinder von Weidmüller qualifiziert sind.

Bei der Wahl eines passenden Profils für Ihre Anwendung sind unter anderem folgende Faktoren zu beachten:

- Stärke der Leiterplatte
- Cu-Anteile in den Lagen
- Ein-/Beidseitige Bestückung
- Produktspektrum
- Aufheiz- und Abkühlrate

Die Einzel- und Doppelwelle zeigt jeweils den empfohlenen Verarbeitungsbereich inkl. der maximalen Löttemperatur von 260 °C. In der Praxis liegt die maximale Löttemperatur sehr häufig weit unter dem o.g. Maximalprofil.