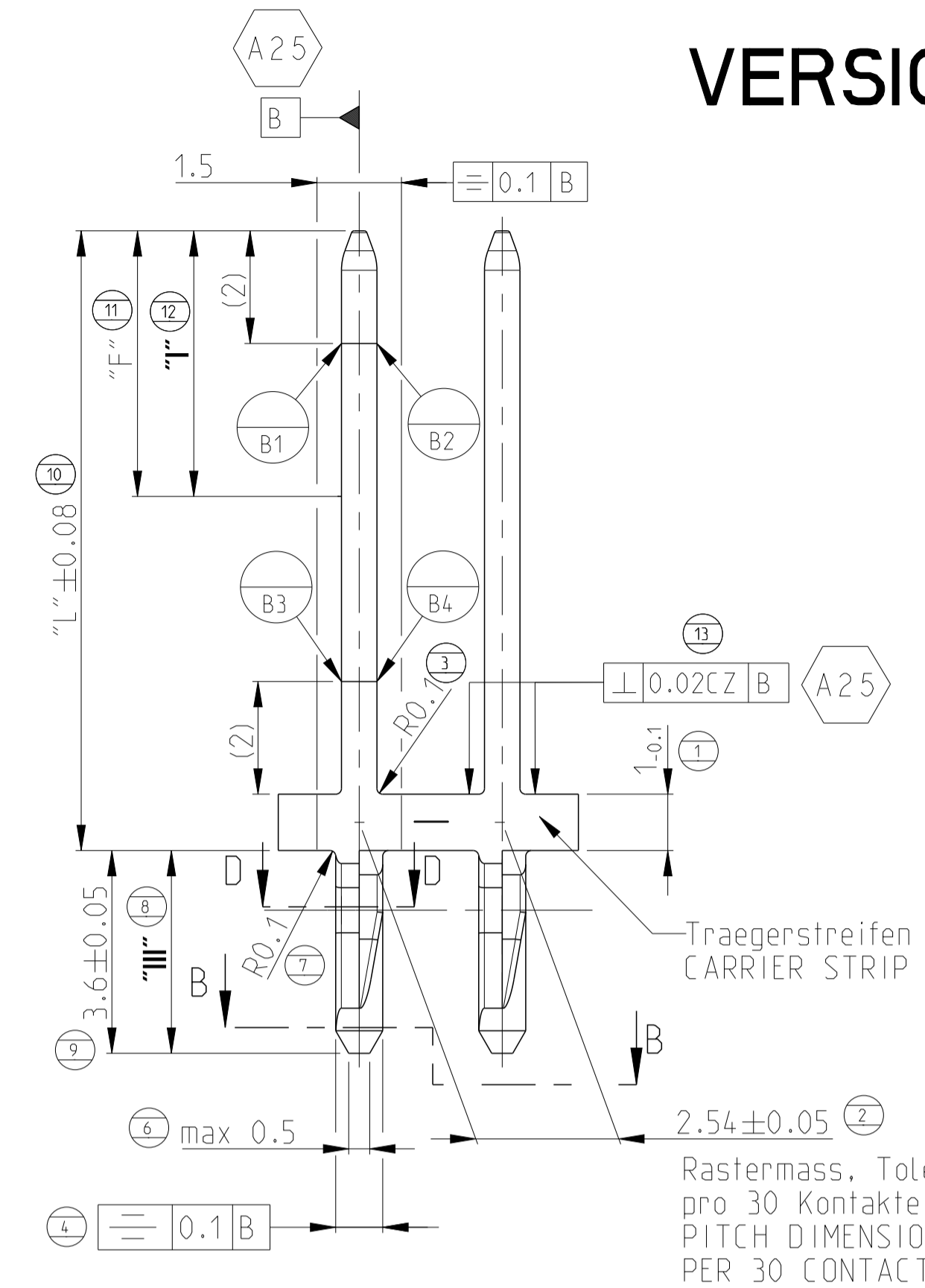


| LOC | DIST | REV | DATE | BY | CHK | APPV |
|-----|------|-----|------|----|-----|------|
| A1  | -    | -   | -    | -  | -   | -    |

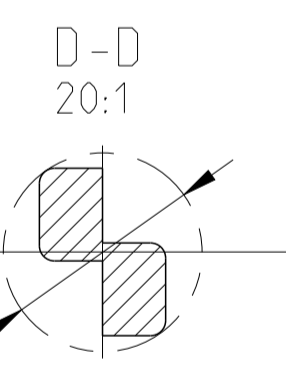
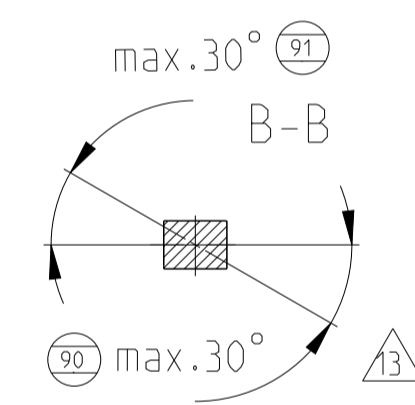
  

| REVISIONS | DESCRIPTION                       | DATE      | BY | CHK | APPV |
|-----------|-----------------------------------|-----------|----|-----|------|
| A22       | NEW DASH VARIANT 8-963964-7 ADDED | 23JUN2016 | -  | -   | JK   |
| A23       | NEW DASH VARIANT 8-963964-8 ADDED | 19JAN2017 | ML | -   | PS   |
| A24       | New way definition for dimensions | 17MAY2017 | ML | -   | VC   |
| A25       | Add perpendicularity to shoulder  | 14JUL2017 | ML | -   | PSI  |

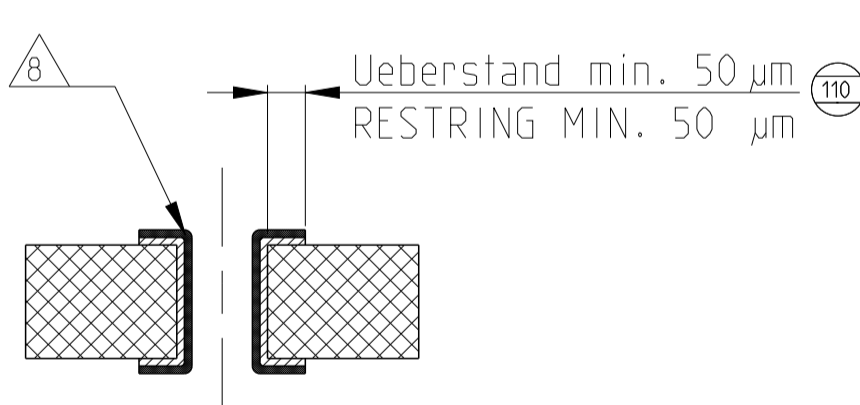
# VERSION A



Rastermass, Toleranz pro 30 Kontakte ±0.2  
 PITCH DIMENSION, TOLERANCES PER 30 CONTACTS ±0.2



## Lochaufbau in der Leiterplatte HOLE CONSTRUCT FOR PCB



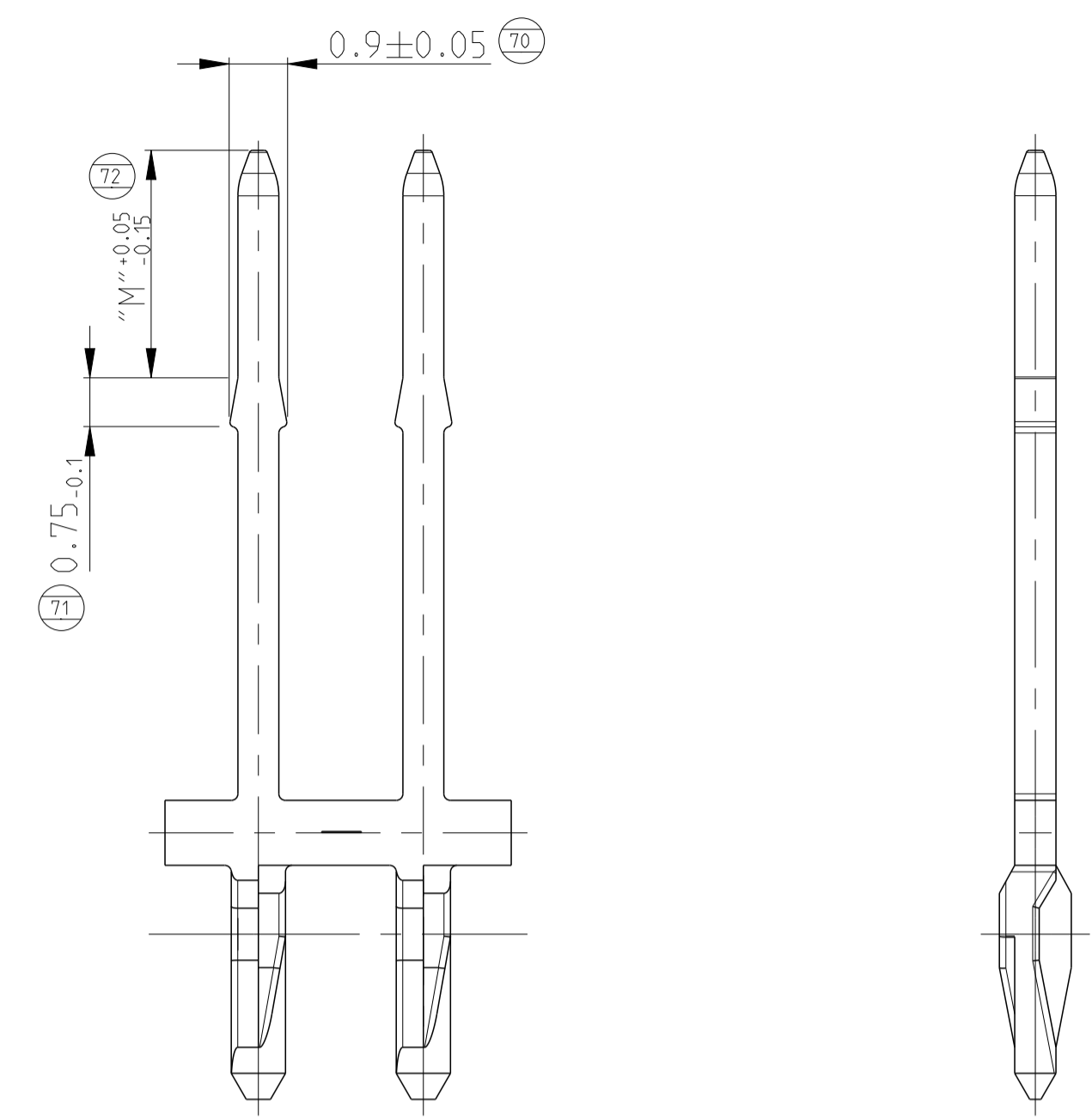
| Lochaufbau LP<br>HOLE CONSTRUCT PCB   | △10              | △11              | △12                  |
|---------------------------------------|------------------|------------------|----------------------|
| Kupferschicht<br>COPPER COATING       | 25-75 µm         | 25-75 µm         | 25-50 µm             |
| Zinn/Blei Schicht<br>TIN/LEAD COATING | 4-10 µm          | -                | -                    |
| Zinn Schicht<br>TIN COATING           | -                | -                | 0.5-1.5 µm           |
| Nickel Schicht<br>NICKEL COATING      | -                | max. 5 µm        | -                    |
| Gold Schicht<br>GOLD COATING          | -                | max. 0.2 µm      | -                    |
| Bohr Ø<br>HOLE DIA.                   | 1.15±0.025       | 1.15±0.025       | 1.15±0.025           |
| Plattierter Ø<br>PLATED DIA.          | 1 +0.09<br>-0.06 | 1 +0.09<br>-0.06 | 1.07+0.055<br>-0.045 |

|                        |  |
|------------------------|--|
| <b>Zone "I" AREA</b>   | Goldaufuehrung: 0.8 µm bis 2 µm Au ueber Ni<br>GOLD VERSION: 0.8 µm TO 2 µm Au OVER Ni<br>Zinn-Ausfuehrung: 1 µm bis 3 µm Sn<br>TIN-VERSION: 1 µm TO 3 µm Sn<br>SILVER-VERSION 1.5 µm to 5 µm Ag over Ni |
| <b>Zone "II" AREA</b>  | Schichtdicke: 1.3 µm bis 2.2 µm Ni<br>COAT THICKNESS: 1.3 µm TO 2.2 µm Ni<br>FOR PN 8-963964-8 regarding note △1   |
| <b>Zone "III" AREA</b> | Schichtdicke: 0.8 µm bis 1.8 µm Sn ueber Ni<br>COAT THICKNESS: 0.8 µm TO 1.8 µm Sn OVER Ni   |

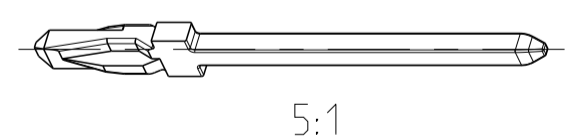
△1 THE PN 8-963964-8 is in development status  
 The 8-963964-8 is not released for serial production  
 PN 8-963964-8 ist in dem Entwicklungsstand.  
 Part number 8-963964-8 ist nicht freigegeben für serienproduktion

# VERSION B

FOR MISSING DIMENSIONS SEE VERSION A



- 1 Massgebend ist der deutsche Text  
 ONLY THE GERMAN LANGUAGE VERSION SHALL BE BINDING
- △ Verwendung fuer Leiterplattendicke: 1.6 ±0.14mm  
 USED ON PCB THICKNESS: 1.6 ±0.14mm
- 3 -
- 4 Lötbarkeit nach DIN 40046  
 SOLDERABILITY ACCORDING TO DIN 40046
- △ Kontaktstift siehe Zeichnung, TE 114-94201 Version B  
 CONTACT PIN SEE DRAWING TE 114-94201 VERSION B
- △ Zustand vor dem Einpressen  
 STATUS BEFORE INSERTION
- 7 Zulaessige Saebelfoermigkeit: 40mm/m  
 PERMITTED "SABERSHARPNESS": 40mm/m
- △ Einpresszone fuer 1.6mm Leiterplatte  
 Anforderung an Leiterplattenloch, siehe Tabelle 1  
 PRESS-IN AREA FOR 1.6mm PCB  
 REQUIREMENTS ON PCB HOLE. SEE TABLE 1
- △ Verpackungseinheit: 50.000 Stck. auf Einweg Kunststoff-Spule Ø 588mm  
 mit Zwischenlagenpapier, 3 Spulen im Karton  
 PACKAGING UNIT: 50.000 PCS ON ONE-WAY PLASTIC REEL DIA.588MM  
 WITH INTERLEAVING PAPER, 3 REELS IN BOX.
- △ Lochaufbau (Zinn/Blei) in der Leiterplatte (siehe Tabelle 1)  
 HOLE CONSTRUCT (TIN/LEAD) FOR PCB (SEE TABLE 1)
- △ Lochaufbau (Nickel/Gold) in der Leiterplatte (siehe Tabelle 1)  
 HOLE CONSTRUCT (NICKEL/GOLD) FOR PCB (SEE TABLE 1)
- △ Lochaufbau (Zinn) in der Leiterplatte (siehe Tabelle 1)  
 HOLE CONSTRUCT (TIN) FOR PCB (SEE TABLE 1)
- △ Verdrehung Action Pin Spitze max. 30 °  
 DISTORTION OF ACTION PIN TIP MAX. 30 DEG.
- △ Material spezifiziert nach UNS C19002  
 MATERIAL SPECIFIED ACCORDING TO UNS C19002
- △ Spulen mit Kunststoff-Spule PN 1-1498100-8 mit  
 Zwischenlagenpapier PN 1-740973-2. Transportkarton 973051-2  
 REELED ONTO PLASTIC REEL PN 1-1498100-8 WITH INTERLEAVING  
 PAPER PN 1-740973-2. SHIPPING CARTON 973051-2
- △ REELED ONTO REEL PN 725654-9 WITH  
 INTERLEAVING PAPER PN 740973-3. SHIPPING  
 CARTON 973051-2  
 Spulen mit Spule PN 725654-9 mit  
 Zwischenlagenpapier PN 704973-3. Transportkarton 973051-2
- △ 1.3 µm bis 2.5 µm NICKEL UPON PLATING AFTER FORMING SEQUENCE  
 1.3 µm bis 2.5 µm Nickel nach Formgebung ueber alles



| VERSION    | TE CONNECTIVITY<br>BESTELL-NR.<br>ORDER NO. | REV.      | MATERIAL     | OBERFLAECHE<br>SURFACE<br>AREA "F" | PCB HOLE<br>SPEC.<br>LP Bohrung<br>Spez. | GRAMM<br>GEWICHT<br>WEIGHT | "F"   | "L"  | "M"  | "N"   |
|------------|---|-----------|--------------|------------------------------------|--|----------------------------|-------|------|------|-------|
| A          | 7-963964-9                                  | A         | CuNiSi R580S | Zinn/TIN                           | 0.05                                     | -                          | 7     | 21.3 | -    | 24.9  |
|            | 6-963964-5                                  | A         |              | Zinn/TIN                           |  |                            | 7     | 11.4 | -    | 15    |
|            | 8-963964-7                                  | A         |              | Zinn/TIN                           |  |                            | 7     | 11.1 | -    | 14.7  |
|            | 2-963964-8                                  | A         |              | Zinn/TIN                           |  |                            | 7     | 9.2  | -    | 12.8  |
|            | △8-963964-8                                 | A         |              | Silver/Silber                      |  |                            | 7     | 11.1 | -    | 14.7  |
| 3-963964-7 | A   | Gold/GOLD |              | 5.5                                |  |                            | 11.1  | -    | 14.7 |       |
| 2-963964-7 | A   | Zinn/TIN  |              | 7                                  |  |                            | 11.1  | -    | 14.7 |       |
| B          | 2-963964-6                                  | B         |              | Zinn/TIN                           |  |                            | 7     | 13.6 | 7.75 | 17.2  |
|            | 2-963964-5                                  | C         |              | Zinn/TIN                           |  |                            | 8.2   | 17.8 | 9.25 | 21.4  |
| A          | 9-963964-4                                  | A         |              | Zinn/TIN                           |  |                            | 7     | 13.6 | 7.75 | 17.2  |
|            | 8-963964-4                                  | B         |              | Zinn/TIN                           |  |                            | 7     | 9.8  | -    | 13.4  |
|            | 3-963964-4                                  | A         |              | Gold/GOLD                          |  |                            | 5.5   | 9.8  | -    | 13.4  |
|            | 2-963964-4                                  | B         |              | Zinn/TIN                           |  |                            | 7     | 9.8  | -    | 13.4  |
|            | 1-963964-4                                  | B         |              | Gold/GOLD                          |  |                            | 5.5   | 9.8  | -    | 13.4  |
|            | 2-963964-3                                  | B         |              | Zinn/TIN                           |  |                            | 7     | 8.05 | -    | 11.65 |
|            | 1-963964-3                                  | B         | Gold/GOLD    | 5.5                                | 8.05                                     | -                          | 11.65 |      |      |       |

THIS DRAWING IS A CONTROLLED DOCUMENT.  
 DIMENSIONING AND TOLERANCING PER GPS (ISO STANDARDS)  
 TOLERANCES UNLESS OTHERWISE SPECIFIED:  
 ALLE DIMENSIONEN  
 DIMENSIONS: MASSENHEITEN (MM)  
 0 PLC ±0.5  
 1 PLC ±0.2  
 2 PLC ±0.1  
 3 PLC ±0.1  
 4 PLC ±0.1  
 ANGELSWINKEL: 2°  
 FINISHOBERFLAECHE/FINISH SURFACE

DWN: C. Beu 02DEC2002  
 CHK: T. Sieler 10DEC2002  
 NAME: T. Sieler  
 APVD: -

PRODUCT SPEC: MQS  
 ACTION PIN FOR 1mm HOLE  
 ACTION PIN fuer 1mm Loch, freistehend

SIZE: A1  
 CAGE CODE: 00779  
 DRAWING NO.: 963964  
 SHEET: 1 OF 1  
 SCALE: 10:1  
 CUSTOMER DRAWING: /KUNDENZEICHNUNG

RESTRICTED TO: NUR FUER: -  
 REV: A25

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Authorized Distributor

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