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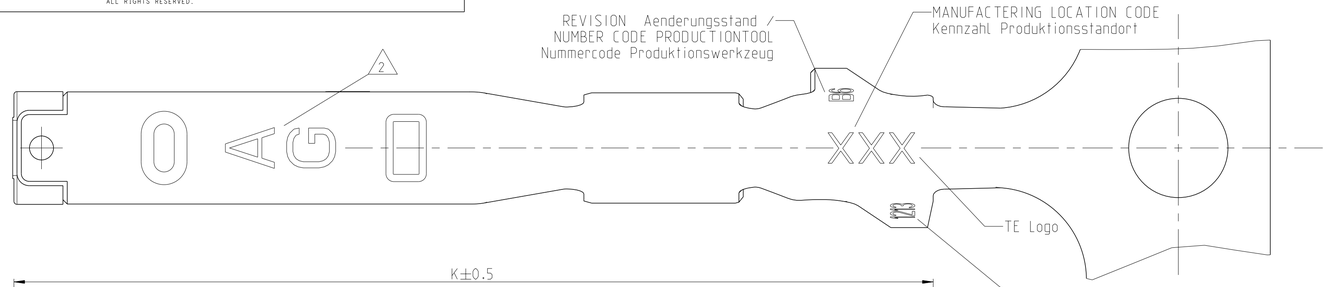
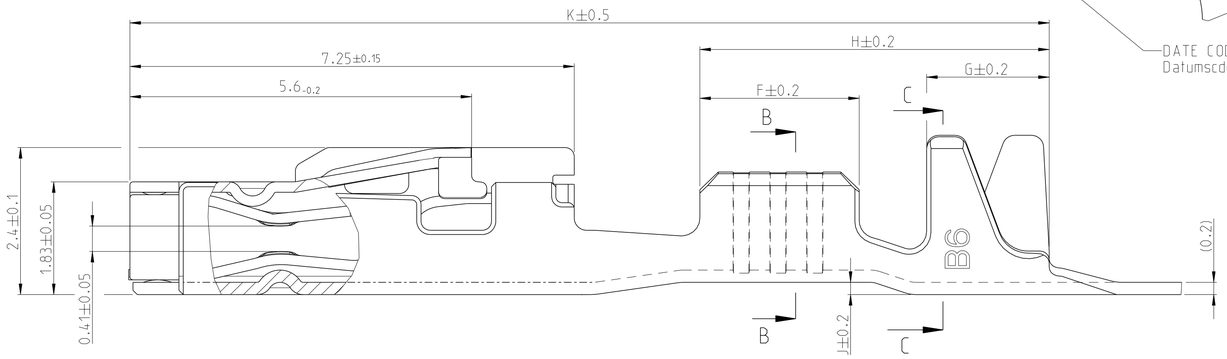
| Project No. | LOC | DIST |
|---|---|---|
| PRJ-11-0000001417 | A1 | - |

REVISIONS

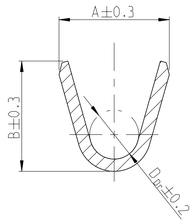
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | C4 | PN 2141861 and 21419 70 active ECR-14-001724 | 06FEB2014 | Abr | Raab |
| | C5 | ECR-14-008680 CANCELED | 12JUN2014 | Abr | Raab |
| | C6 | Name Changed to MCON 1.2 LL ECR-14-012725 | 25AUG2014 | Abr | Raab |
| | C7 | See PCN E-17-018644 | 21DEC2017 | FRAN | KURF |



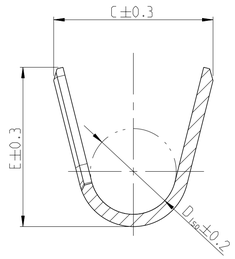

STANDARD APPLICATION
Standard Anwendung

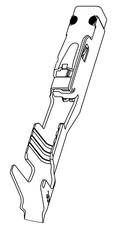



B-B

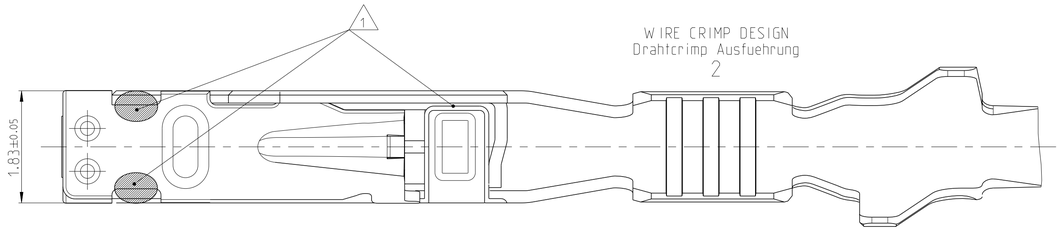



C-C



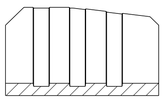



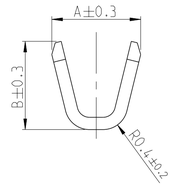
5:1



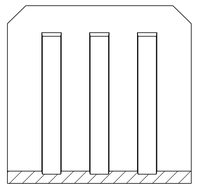

WIRE CRIMP DESIGN
Drahtcrimp Ausfuehrung
2

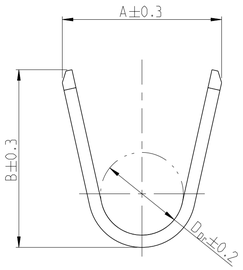
WIRE CRIMP DESIGN
Drahtcrimp Ausfuehrung
1



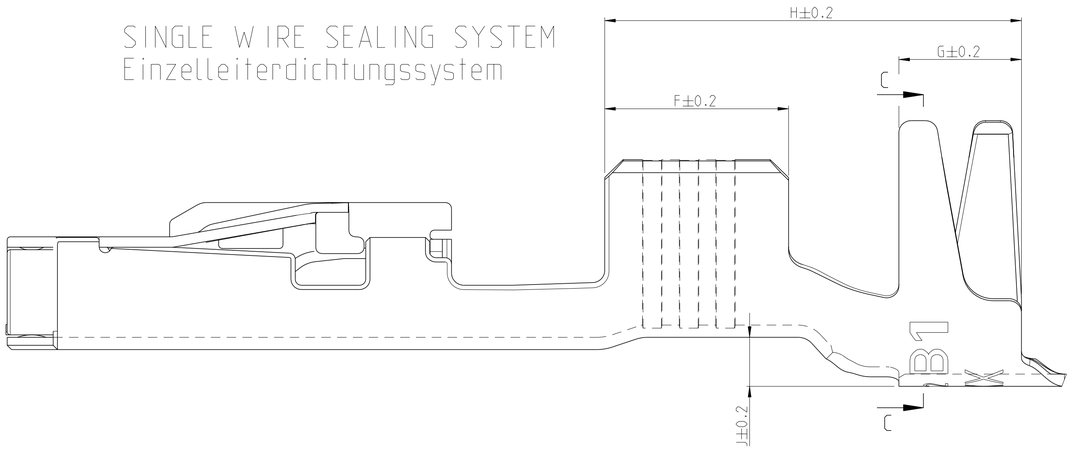



WIRE CRIMP DESIGN
Drahtcrimp Ausfuehrung
3

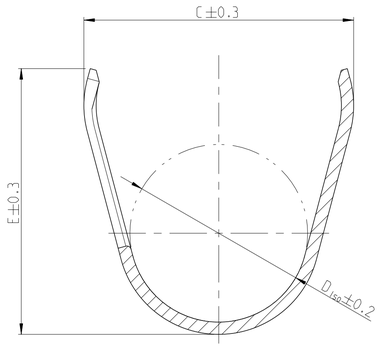


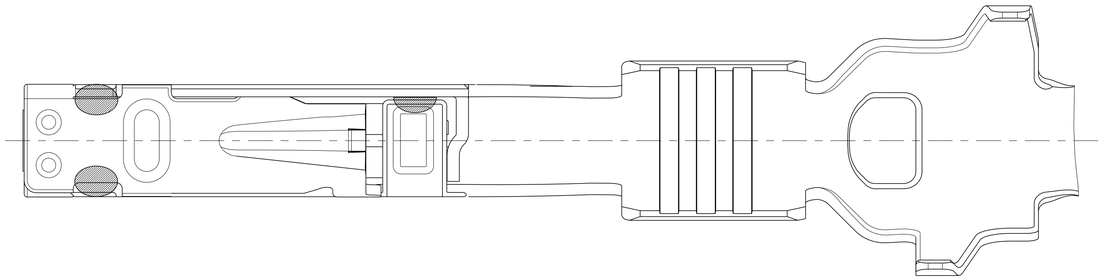



SINGLE WIRE SEALING SYSTEM
Einzelleiterdichtungssystem




C-C



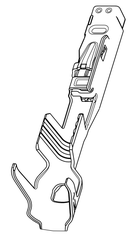
NOTES
Bemerkungen

1 LASER WELDED
Lasergeschweisst

2 STAMPED INDICATOR FOR PLATING:
- AU GOLD PLATING
- AG SILVER PLATING
- TIN PLATING WITHOUT INDICATOR

Markierung fuer galvanische Ausfuehrung:
- AU vergoldet}
- AG versilbert
- verzinnt: ohne Markierung

3 TO BE USED ON TAB
1.2±0.1 x 0.6±0.03 MM
geeignet fuer Flachstecker
1.2±0.1 x 0.6±0.03 mm



5:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±; 1 PLC ±; 2 PLC ±; 3 PLC ±; 4 PLC ±; ±0.2; ANGLES ±1°

MATERIAL -

FINISH -

| | | |
|---|---|---|
| DWN | E. Horn | 11NOV2011 |
| CHK | R. Meier | 11NOV2011 |
| APVD | V. Seipel | 11NOV2011 |
| PRODUCT SPEC | 108-18782 | |
| APPLICATION SPEC | 114-18464 | |
| WEIGHT | 0.18 g | |

TE Connectivity

NAME MCON 1.2 LL (LOCKING-LANCE)

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A1 | 00779 | C-1452674 | - |

Customer Drawing | SCALE 20:1 | SHEET 1 OF 2 | REV C7

4805 (3/11)

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| LOC | DIST |
|---|---|
| A1 | - |

REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | - | SEE SHEET 1 | - | - | - |

C7

| VERSION / Ausfuehrung | ORDER-NO. STRIP FORM Bestell-Nr. Bandware | REV. | RANGE Bereich (WIRE-SIZE RANGE INSULATION DIAMETER Leitergerschnitt Isolationsdurchmesser) | INSULATION-Ø Isolations-Ø [mm] | AWG | mm² | BODY Kontakt-koerper (MATERIAL Werkstoff) | SPRING Kontakt-feder (MATERIAL Werkstoff) | BODY Kontakt-koerper (SURFACE Oberflaeche) | SPRING Kontakt-feder (SURFACE Oberflaeche) | DESIGN WIRE-CRIMP Ausfuehrung Draht-Crimp | A (STRIP FORM/Bandware) | B (STRIP FORM/Bandware) | $D_{Dr}$ (STRIP FORM/Bandware) | C (STRIP FORM/Bandware) | E (STRIP FORM/Bandware) | $D_{ISO}$ (STRIP FORM/Bandware) | F | G | H | J | K | SINGLE WIRE SEAL FOR CAVITY DIAMETER Einzeldichtung fuer Kammerdurchmesser TE NO. | BLINDPLUG ORDER NO. Blindstopfen Bestell-Nr. | APPLICATION TOOLS Verarbeitungswerkzeuge |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SINGLE WIRE SEAL/ Einzeldichtung | 2141970-3 | A | 0.13-0.22 (9) | 0.95-1.2 | - | 0.13 | CuSn4 | CuNiSi | (8) | (7) | 1 | 1.5 | 1.4 | - | 4.0 | 3.9 | 2.6 | 2.5 | 1.9 | 6.2 | 0.6 | 16 | SEE APPLICATION SPEC. 114-18464 siehe Verarbeitungsspez. 114-18464 | | |
| | 2141970-2 | A | | | - | 0.17 | | | | (6) | | | | | | | | | | | | | | | |
| | 2141970-1 | A | | | - | 0.22 | | | | (5) | | | | | | | | | | | | | | | |
| | 7-1452665-3 | A | 0.25-0.35 | 1.1-1.75 | - | 0.25 | | | | (7) | 2 | 1.8 | 1.8 | 0.8 | 4.2 | 4.3 | 2.6 | 2.6 | 2.0 | 6.4 | 0.8 | 16 | | | |
| | 7-1452665-2 | A | | | 24 | - | | | | (6) | | | | | | | | | | | | | | | |
| | 7-1452665-1 | A | | | - | 0.35 | | | | (5) | | | | | | | | | | | | | | | |
| | | | | | 22 | - | | | | | | | | | | | | | | | | | | | |
| | 7-1452668-3 | A | 0.5-0.75 | 1.4-1.9 | 20 | 0.5 | | | | (7) | 2 | 2.0 | 2.1 | 1.1 | 4.2 | 4.3 | 2.7 | 2.6 | 2.0 | 6.4 | 0.8 | 16 | | | |
| | 7-1452668-2 | A | | | - | 0.75 | | | | (6) | | | | | | | | | | | | | | | |
| | 7-1452668-1 | A | | | | | | | | (5) | | | | | | | | | | | | | | | |
| | 7-1452671-3 | A | 1-1.5 | 1.9-2.4 | 18 | - | | | | (7) | 2 | 2.6 | 2.9 | 1.35 | 4.4 | 4.3 | 2.9 | 3.0 | 2.0 | 6.8 | 0.8 | 16.55 | | | |
| | 7-1452671-2 | A | | | - | 1 | | | | (6) | | | | | | | | | | | | | | | |
| | 7-1452671-1 | A | | | 16 | - | | | | (5) | | | | | | | | | | | | | | | |
| | | | | | - | 1.5 | | | | | | | | | | | | | | | | | | | |
| STANDARD APPLICATION Standardanwendung | 2141861-3 | A | 0.13-0.22 (9) | 0.95-1.2 | - | 0.13 | | | | (7) | 1 | 1.5 | 1.4 | - | 2.0 | 1.9 | 1.1 | 2.5 | 1.7 | 5.4 | 0 | 15 | | | |
| | 2141861-2 | A | | | - | 0.17 | | | | (6) | | | | | | | | | | | | | | | |
| | 2141861-1 | A | | | - | 0.22 | | | | (5) | | | | | | | | | | | | | | | |
| | 7-1452653-3 | A | 0.25-0.35 | 1.1-1.75 | - | 0.25 | | | | (7) | 2 | 1.8 | 1.8 | 0.8 | 2.6 | 2.6 | 1.4 | 2.6 | 2.0 | 5.7 | 0.2 | 15 | | | |
| | 7-1452653-2 | A | | | 24 | - | | | | (6) | | | | | | | | | | | | | | | |
| | 7-1452653-1 | A | | | - | 0.35 | | | | (5) | | | | | | | | | | | | | | | |
| | | | | | 22 | - | | | | | | | | | | | | | | | | | | | |
| | 7-1452656-3 | A | 0.5-0.75 | 1.4-1.9 | 20 | 0.5 | | | | (7) | 2 | 2.0 | 2.1 | 1.1 | 2.7 | 2.9 | 1.6 | 3.0 | 2.0 | 6.1 | 0.2 | 16 | | | |
| | 7-1452656-2 | A | | | - | 0.75 | | | | (6) | | | | | | | | | | | | | | | |
| | 7-1452656-1 | A | | | | | | | | (5) | | | | | | | | | | | | | | | |
| | 7-1452659-3 | A | 1-1.5 | 1.9-2.4 | 18 | - | | | | (7) | 2 | 2.6 | 2.9 | 1.35 | 3.7 | 3.9 | 2.1 | 3.0 | 2.0 | 6.1 | 0.2 | 16 | | | |
| | 7-1452659-2 | A | | | - | 1 | | | | (6) | | | | | | | | | | | | | | | |
| | 7-1452659-1 | A | | | 16 | - | | | | (5) | | | | | | | | | | | | | | | |
| | | | | | - | 1.5 | | | | | | | | | | | | | | | | | | | |

**7-** VARIANTS FOR **NEW** APPLICATIONS (C7)

| VERSION / Ausfuehrung | ORDER-NO. STRIP FORM Bestell-Nr. Bandware | REV. | RANGE Bereich (WIRE-SIZE RANGE INSULATION DIAMETER Leitergerschnitt Isolationsdurchmesser) (4) | INSULATION-Ø Isolations-Ø [mm] | AWG | mm² | BODY Kontakt-koerper (MATERIAL Werkstoff) | SPRING Kontakt-feder (MATERIAL Werkstoff) | BODY Kontakt-koerper (SURFACE Oberflaeche) | SPRING Kontakt-feder (SURFACE Oberflaeche) | DESIGN WIRE-CRIMP Ausfuehrung Draht-Crimp | A (STRIP FORM/Bandware) | B (STRIP FORM/Bandware) | $D_{Dr}$ (STRIP FORM/Bandware) | C (STRIP FORM/Bandware) | E (STRIP FORM/Bandware) | $D_{ISO}$ (STRIP FORM/Bandware) | F | G | H | J | K | SINGLE WIRE SEAL FOR CAVITY DIAMETER Einzeldichtung fuer Kammerdurchmesser TE NO. | BLINDPLUG ORDER NO. Blindstopfen Bestell-Nr. | APPLICATION TOOLS Verarbeitungswerkzeuge |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SINGLE WIRE SEAL/ Einzeldichtung | 0-1452665-3 | B | 0.25-0.35 | 1.1-1.75 | - | 0.25 | CuSn0.15/0.2 | CuNiSi | (5) | (7) | 2 | 1.8 | 1.8 | 0.8 | 4.2 | 4.3 | 2.6 | 2.6 | 2.0 | 6.4 | 0.8 | 16 | SEE APPLICATION SPEC. 114-18464 siehe Verarbeitungsspez. 114-18464 | | |
| | 0-1452665-2 | B | | | 24 | - | | | | (6) | | | | | | | | | | | | | | | |
| | 0-1452665-1 | B | | | - | 0.35 | | | | (5) | | | | | | | | | | | | | | | |
| | | | | | 22 | - | | | | | | | | | | | | | | | | | | | |
| | 0-1452668-3 | C | 0.5-0.75 | 1.4-1.9 | 20 | 0.5 | | | | (7) | 2 | 2.0 | 2.1 | 1.1 | 4.2 | 4.3 | 2.7 | 2.6 | 2.0 | 6.4 | 0.8 | 16 | | | |
| | 0-1452668-2 | C | | | - | 0.75 | | | | (6) | | | | | | | | | | | | | | | |
| | 0-1452668-1 | C | | | | | | | | (5) | | | | | | | | | | | | | | | |
| | 0-1452671-3 | B | 1-1.5 | 1.9-2.4 | 18 | - | | | | (7) | 3 | 2.6 | 2.9 | 1.35 | 4.4 | 4.3 | 2.9 | 3.0 | 2.0 | 6.8 | 0.8 | 16.55 | | | |
| | 0-1452671-2 | B | | | - | 1 | | | | (6) | | | | | | | | | | | | | | | |
| | 0-1452671-1 | B | | | 16 | - | | | | (5) | | | | | | | | | | | | | | | |
| | | | | | - | 1.5 | | | | | | | | | | | | | | | | | | | |
| STANDARD APPLICATION Standardanwendung | 0-1452653-3 | B | 0.25-0.35 | 1.1-1.75 | - | 0.25 | | | | (7) | 2 | 1.8 | 1.8 | 0.8 | 2.6 | 2.6 | 1.4 | 2.6 | 2.0 | 5.7 | 0.2 | 15 | | | |
| | 0-1452653-2 | B | | | 24 | - | | | | (6) | | | | | | | | | | | | | | | |
| | 0-1452653-1 | B | | | - | 0.35 | | | | (5) | | | | | | | | | | | | | | | |
| | | | | | 22 | - | | | | | | | | | | | | | | | | | | | |
| | 0-1452656-3 | C | 0.5-0.75 | 1.4-1.9 | 20 | 0.5 | | | | (7) | 2 | 2.0 | 2.1 | 1.1 | 2.7 | 2.9 | 1.6 | 3.0 | 2.0 | 6.1 | 0.2 | 16 | | | |
| | 0-1452656-2 | C | | | - | 0.75 | | | | (6) | | | | | | | | | | | | | | | |
| | 0-1452656-1 | C | | | | | | | | (5) | | | | | | | | | | | | | | | |
| | 0-1452659-3 | B | 1-1.5 | 1.9-2.4 | 18 | - | | | | (7) | 3 | 2.6 | 2.9 | 1.35 | 3.7 | 3.9 | 2.1 | 3.0 | 2.0 | 6.1 | 0.2 | 16 | | | |
| | 0-1452659-2 | B | | | - | 1 | | | | (6) | | | | | | | | | | | | | | | |
| | 0-1452659-1 | B | | | 16 | - | | | | (5) | | | | | | | | | | | | | | | |
| | | | | | - | 1.5 | | | | | | | | | | | | | | | | | | | |

**0-** VARIANTS SUPERSEDED BY 7- VARIANTS (SEE TABLE ON TOP) (C7)

NOTES
Bemerkungen

(4) ONLY FOR FLR-WIRE SEE DIN 72551, PART 6 AND AWG WIRE ACCORDING DC-SPEC: MS-8288 ; MS-7889 ; MS-9532
Nur fuer FLR-Leitung nach DIN 72551, Teil 6 und AWG Leitung nach DC-SPEC: MS-8288 ; MS-7889 ; MS-9532

(5) PRE TIN SnAg 1.0 TO 3.0 µm
Vorverzinnt SnAg 1.0 bis 3.0 µm

(6) SPRING GOLD PLATED MIN. 0.8 µm (only contact area)
Kontaktfeder galv. vergoldet min.0.8 µm (nur Kontaktzone)

(7) SPRING SILVER PLATED 2.0 TO 5.0 µm (only contact area)
Kontaktfeder galv. versilbert 2.0 bis 5.0 µm (nur Kontaktzone)

(8) BODY PRE TIN Sn 1.0 TO 3.0 µm
Kontaktkoerper vorverzinnt Sn 1.0 bis 3.0 µm

(9) REINFORCED WIRE ACCORDING TO LV 112-4
Zugverstaerkte Leitung nach LV 112-4

| | | | |
|---|---|---|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | DWN E. Horn 11NOV2011 | TE Connectivity | |
| DIMENSIONS: mm | CHK R. Meier 11NOV2011 | NAME MCON 1.2 LL (LOCKING-LANCE) | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±; 1 PLC ±; 2 PLC ±; 3 PLC ±; 4 PLC ±; ±0.2; ANGLES ±1° | APVD V. Seipel 11NOV2011 | | |
| | PRODUCT SPEC 108-18782 | | |
| | APPLICATION SPEC 114-18464 | SIZE A1 / CAGE CODE 00779 / DRAWING NO C-1452674 | RESTRICTED TO - |
| MATERIAL - - | FINISH - - | WEIGHT - | |
| | | Customer Drawing | SCALE - / SHEET 2 OF 2 / REV C7 |

4805 (3/11)