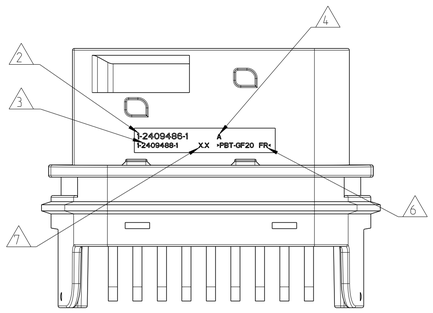
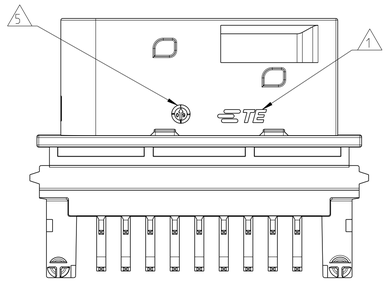
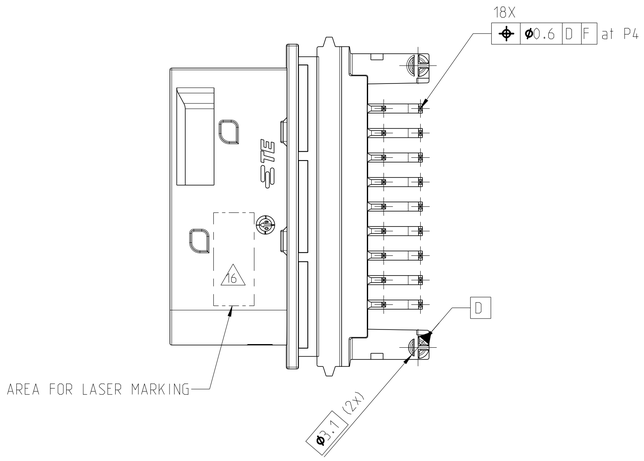
PROJECT NO. PRE21-0009784

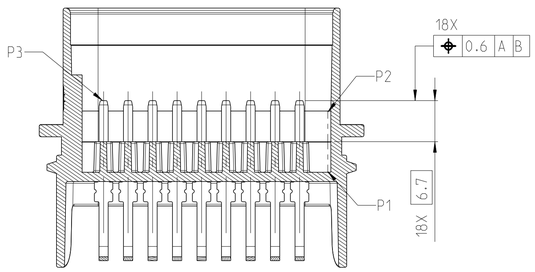
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | A | NEW DRAWING | 26SEP2025 | SM | RW J |

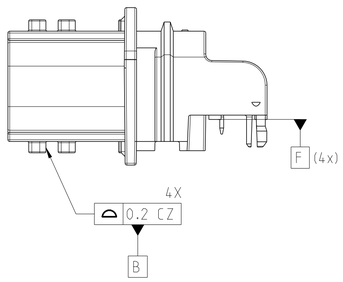


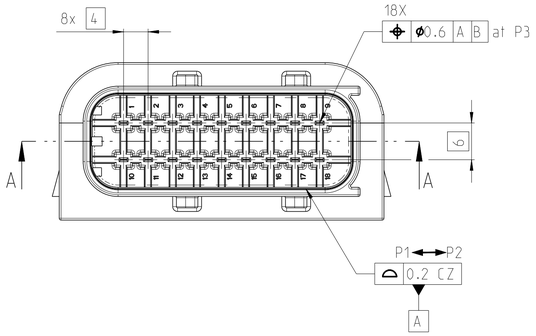



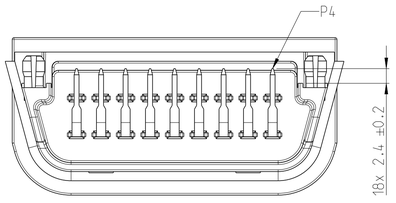




SECTION A-A



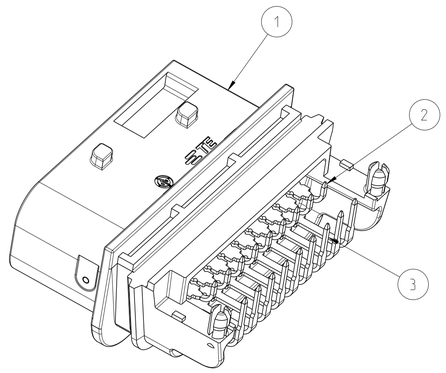




NOTES:
Bemerkungen:

1. TE CONNECTIVITY (TE) LOGO
   TE Connectivity (TE) Logo
2. TE ASSEMBLY-NUMBER
   TE Baugruppennummer
3. TE SINGLE PART NUMBER
   TE Einzelteilnummer
4. LETTER INSERT FOR THE TOOL REVISION.
   Schrifteinsatz für Werkzeugänderungsindex.
5. PRODUCTION DATE WITH DATE-CLOCK
   Produktionsdatum mit Datumsuhr
6. MATERIAL MARKING ACCORDING TO VDA 260
   Materialkennzeichnung nach VDA 260
7. MOLD CAVITY MARKING
   Nestmarkierung
8. PLATING SPECIFICATION 1.5 TAB:
   CONTACT AREA: MIN. 6MM FROM CONTACT TIP >3 µm ELECTROPLATED SILVER OVER NICKEL
   SOLDER TAIL AREA: MIN. 4MM FROM SOLDER TAIL TIP COVERED WITH 3-10 µm TIN OVER NICKEL UNDERPLATING: ELECTROPLATED NICKEL
   Beschichtungsspezifikation 1.5 Tab:
   Kontaktbereich: min. 6mm von der Kontaktspitze >3 µm galvanisch Silber über Nickel
   Löbereich: min. 4mm von der Lötspitze 3-10 µm verzinnt über Nickel Grundbeschichtung: galvanisch Nickel
9. TIP OF SOLDER TAIL CAN BE INSERTED INTO RECOMMENDED PCB (t=1.2 OR t=1.6)
   THE DESIGN IS OPTIMIZED FOR A PCB WITH t=1.6±0.16mm ONLY.
   Die Lötspitze kann in die empfohlenden PCBs eingeführt werden (t=1.2 oder t=1.6)
   Das Design is auf ein PCB mit t=1.6±0.16mm optimiert.
10. PACKED IN TRAY ACCORDING PACKAGING SPEC. V2409486
    Verpackt im Tray entsprechend Verpackungs-Spezifikation V2409486
11. TO BE MATED WITH HDSCS CONNECTOR 1-1563759-1
    Zu verwenden mit HDSCS Stecker 1-1563759-1
12. 100% ELECTRIC, CONTINUITY (LV TEST),
    SHORT CIRCUIT (HV TEST) AND PRESENCE TESTING
    100% elektrische-, Durchgangs-(LV Test), Kurzschluss-(HV Test)
    und Anwesenheitspruefung
13. MIN. RETENTION FORCE:
    min. Ausdrueckkraft:

    1.5 TAB: 20N 25MM/MIN
14. THE HEADER WILL BE SOLDERD BY LEAD FREE WAVE SOLDER PROCESS
    Die Messerleiste wird mit einem bleifreien Wellen-Lötprozess verlötet.
15. USE GLOVES FOR MANUAL HANDLING
    Handschuhe bei manueller Handhabung verwenden
16. PROUCTION DATE OF ASSEMBLY: DDMMMYYYY 2 DIGIT DAY 3 LETTER MONTH 4 DIGIT YEAR E.G. 17NOV2016
    Produktionsdatum der Baugruppe: TTMMMJJJJ 2 Zahlen Tag 3 Buchstaben Monat 4 Zahlen Jahr Bsp. 17NOV2016
17. DIFFERENT CODINGS
    Unterschiedliche Kodierun




| ITEM NO. | REV | MATERIAL | DESCRIPTION |
|---|---|---|---|
| 3 | A | CuSn | 1.5x0.64mm TAB Long |
| 2 | A | CuSn | 1.5x0.64mm TAB Short |
| 1 | A | PBT GF20 / V-0 | Header HSG, Group E 90deg |

| TE ASSY NO. | CODING | REV | Qty. reqd per Assy | COLOUR | ITEM NO. |
|---|---|---|---|---|---|
| ~~6-2409486-1~~ | F | A | 9 9 1 | RED rot | ~~6~~ |
| ~~5-2409486-1~~ | E | A | 9 9 1 | WHITE weiss | ~~5~~ |
| ~~4-2409486-1~~ | D | A | 9 9 1 | BLUE blau | ~~4~~ |
| ~~3-2409486-1~~ | C | A | 9 9 1 | GREEN gruen | ~~3~~ |
| 2-2409486-1 | B | A | 9 9 1 | GREY grau | 2 |
| 1-2409486-1 | A | A | 9 9 1 | BLACK schwarz | 1 |

DIMENSION AND TOLERANCES ACCORDING TO:
Bemaßungen und Toleranzen gemäß:

DIN ISO 20457
DIN EN ISO 8015 (ED) - DIN EN ISO 291
DIN EN ISO 14405-1/-2/-3

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

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

MATERIAL: SEE TABLE siehe Tabelle
FINISH: SEE TABLE siehe Tabelle

DWN SANDESH M 24SEP2025
CHK NAVEENKUMAR N 25SEP2025
APVD ROMALEY WILLIAM J 26SEP2025
PRODUCT SPEC 108-94808
APPLICATION SPEC 114-94684
WEIGHT 19.96 g

TE Connectivity

PRELIMINARY

18POS.TAB1.5X0.64.HDR ASSY.90DEG
18pol. Tab 1.5x0.64. Stiftwanne, 90 Grad
Heavy Duty Sealed Connector Series

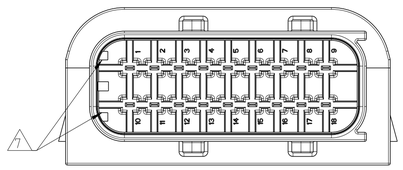
SIZE A | CAGE CODE 00779 | DRAWING NO C-2409486 | RESTRICTED TO -

CUSTOMER DRAWING | SCALE 5:1 | SHEET 1 OF 3 | REV A

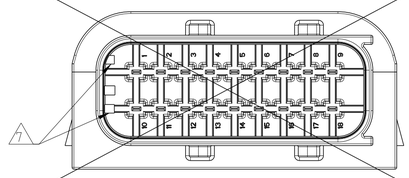
PROJECT NO. PRFY1-00054784

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

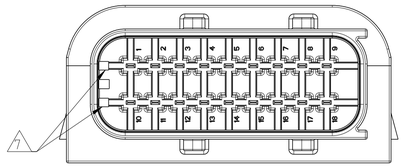
# X-2409486-X
## HDSCS Header 90° Assy C



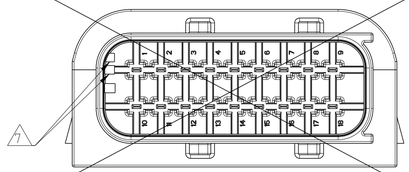
PN: 1-2409332-1



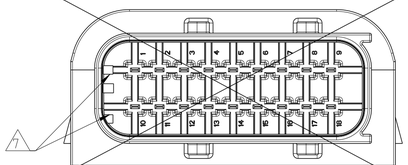
PN: 4-2409332-1



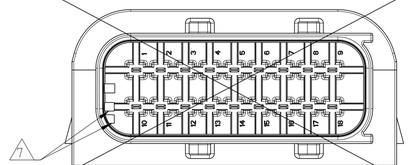
PN: 2-2409332-1



PN: 5-2409332-1



PN: 3-2409332-1



PN: 6-2409332-1

DIMENSION AND TOLERANCES ACCORDING TO:
Bemaßungen und Toleranzen gemäß:

DIN ISO 20457
DIN EN ISO 8015 (AD) - DIN EN ISO 291
DIN EN ISO 14405-1/-2/-3

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

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

MATERIAL: SEE TABLE siehe Tabelle
FINISH: SEE TABLE siehe Tabelle

DWN 24SEP2025 SANDESH M
CHK 25SEP2025 NAVEENKUMAR N
APVD 26SEP2025 REMALEY WILLIAM J
PRODUCT SPEC 108-94808
APPLICATION SPEC 114-94684
WEIGHT 20.7

TE Connectivity

NAME 18POS.TAB1.5X0.64.HDR ASSY.90DEG
18pol. Tab 1.5x0.64. Stiftwanne. 90 Grad
Heavy Duty Sealed Connector Series

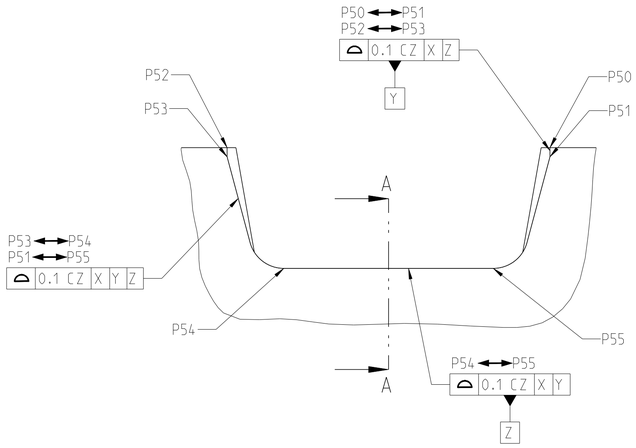
| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A1 | 00779 | C-2409486 | - |

CUSTOMER DRAWING | SCALE 5:1 | SHEET 2 OF 3 | REV A

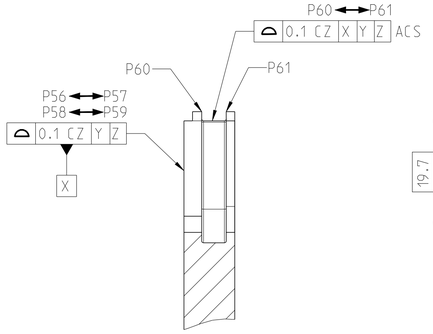
ECU LAYOUT FOR ALL GROUP E 90DEG HEADER
Steuergeraete Layout fuer alle Header gruppe E 90 Grad

RECOMMENDED ECU LAYOUT / CUSTOMER IS RESPONSIBLE FOR LAYOUT
Empfohlenes Steuergeraete Layout / Kunde ist verantworlich fuer das Layout

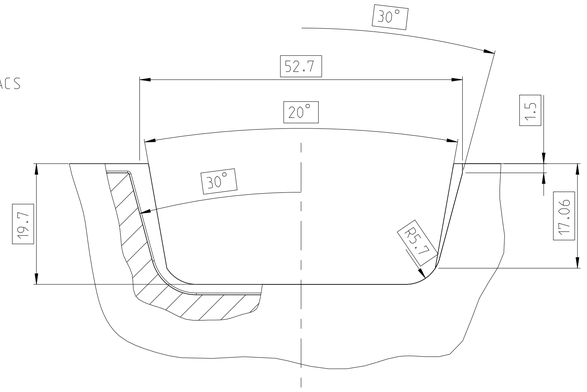
| REVISIONS | | | | | |
|---|---|---|---|---|---|
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
| | - | SEE SHEET 1 | - | - | - |



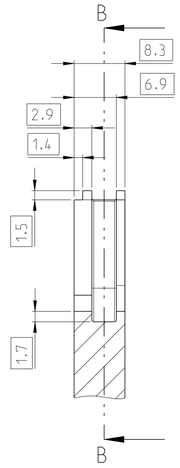

SECTION A-A

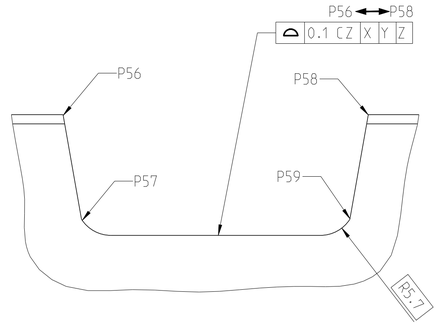



SECTION B-B

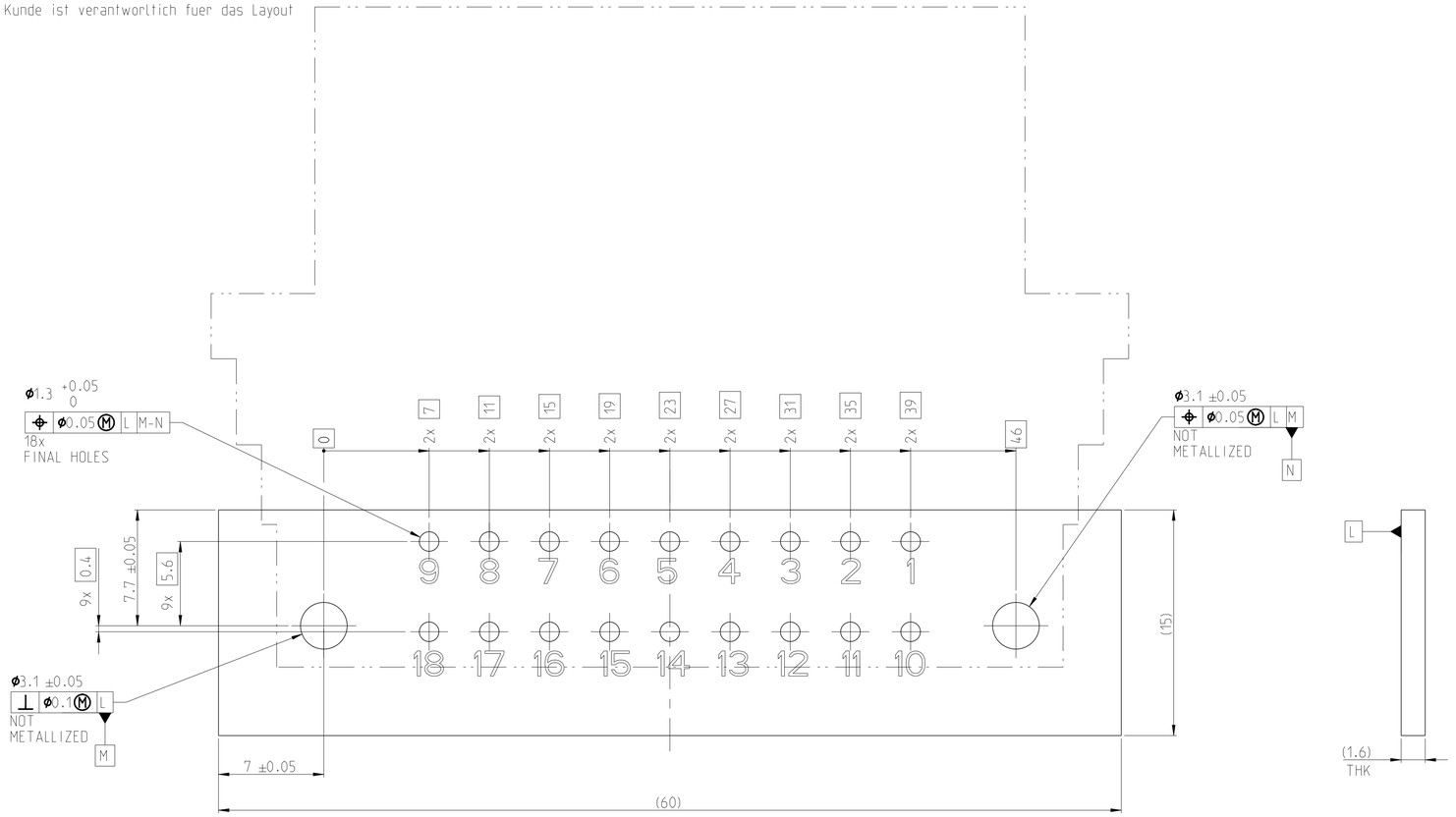



SECTION A-A

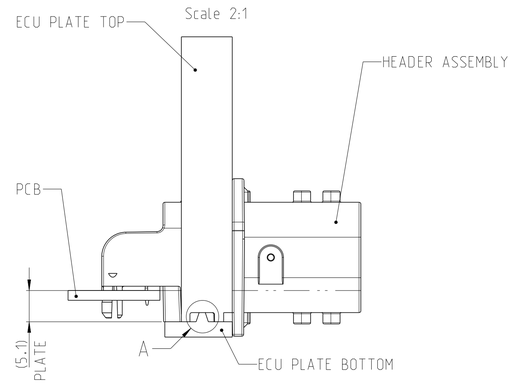


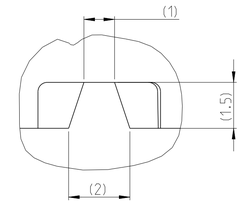

PCB LAYOUT FOR REGULAR HEADER (X--1)
Platinen Layout fuer normale Ausfuehrung des Header (X--1)
RECOMMENDED PCB LAYOUT / CUSTOMER IS RESPONSIBLE FOR LAYOUT
Empfohlenes Platinen Layout / Kunde ist verantworlich fuer das Layout




Scale 2:1




Detail A
Scale 10:1




| | | | |
|---|---|---|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | DWN SANDESH M 24SEP2025 | TE Connectivity | |
| DIMENSIONS: mm | CHK NAVEENKUMAR N 25SEP2025 | NAME 18POS.TAB1.5X0.64.HDR ASSY.90DEG<br>18pol. Tab 1.5x0.64. Stiftwanne, 90 Grad<br>Heavy Duty Sealed Connector Series | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±1°, 1 PLC ±0.4°, 2 PLC ±0.4°, 3 PLC ±0.4°, 4 PLC ±0.4°, ANGLES ±1° | APVD REMALEY WILLIAM J 26SEP2025 | PRODUCT SPEC 108-94808 | SIZE A1 / CAGE CODE 00779 / DRAWING NO C-2409486 / RESTRICTED TO - |
| | | APPLICATION SPEC 114-94684 | |
| MATERIAL SEE TABLE siehe Tabelle | FINISH SEE TABLE siehe Tabelle | WEIGHT 20.7 | SCALE 5:1 / SHEET 3 OF 3 / REV A |
| CUSTOMER DRAWING | | | |