



# Part Submission Warrant

22/202429

RevH

Part Name Ass'y 15mm Tab Hsg With Optional Shorting Bar Cust. Part Number n/a

Shown on Drawing Number 1S7T-14A459-AC Org. Part Number 0-1241794-2

Engineering Change Level AELE E 12625180 579 Dated 31-Aug-17

Additional Engineering Changes n/a Dated n/a

Safety and/or Government Regulation ☐ Yes ☒ No Purchase Order No. n/a Weight (kg) 3.9803 g

Checking Aid Number n/a Checking Aid Engineering Change Level n/a Dated n/a

**ORGANIZATION MANUFACTURING INFORMATION****CUSTOMER SUBMITTAL INFORMATION**

Tyco Electronics Czech s.r.o. /360590087  
Organization Name and Supplier Code

Nursan Otomotiv Ltd.  
Customer Name/Division

K AMP 1293  
Street Address

n/a  
Buyer/Buyer Code

Kuřim 664 34 Czech Republic  
City Region Postal Code Country

Ford  
Application

**MATERIALS REPORTING**

Has customer-required Substance of Concern information been reported ☒ Yes ☐ No ☐ n/a  
Submitted by IMDS or other customer format 5147506 / 24

Are polymeric parts identified with appropriate ISO marking codes? ☒ Yes ☐ No ☐ n/a

**REASON FOR SUBMISSION (Check at least one)**

- |                                                                                       |                                                                      |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Initial submission                                | <input type="checkbox"/> Change to Optional Construction or Material |
| <input type="checkbox"/> Engineering Change(s)                                        | <input type="checkbox"/> Sub-Supplier or Material Source Change      |
| <input type="checkbox"/> Tooling: Transfer, Replacement, Refurbishment, or additional | <input type="checkbox"/> Change in Part Processing                   |
| <input type="checkbox"/> Correction of Discrepancy                                    | <input type="checkbox"/> Parts Produced at Additional Location       |
| <input type="checkbox"/> Tooling Inactive > than 1 year                               | <input type="checkbox"/> Other - please specify                      |

**REQUESTED SUBMISSION LEVEL (Check one)**

- ☐ Level 1 - Warrant only (and for designated appearance items, an Appearance Approval Report) submitted to customer.
- ☒ Level 2 - Warrant with product samples and limited supporting data submitted to customer.
- ☐ Level 3 - Warrant with product samples and complete supporting data submitted to customer.
- ☐ Level 4 - Warrant and other requirements as defined by customer.
- ☐ Level 5 - Warrant with product samples and complete supporting data reviewed at supplier's manufacturing location.

**SUBMISSION RESULTS**

The results for ☒ dimensional measurement ☒ material and functional tests ☐ appearance criteria ☐ statistical process package

These results meet all design record requirements: ☒ Yes ☐ No (If "No" - Explanation Required)

Mold / Cavity / Production Process Assembly

**DECLARATION**

I affirm that the samples represented by this warrant are representative of our parts, which were made by a process that meets all Production Part Approval Process Manual 4th Edition Requirements. I further affirm that these samples were produced at the production rate of proprietary / 8 hours. I also certify that documented evidence of such compliance is on file and is available for review. I have noted any deviations from this declaration below.

**EXPLANATION/COMMENTS** PSW coversheet is additional to report no Report No. 0244/21, ePPAP No. 148734  
Report is still valid, no form-fit-function changes on this part.

Is each Customer Tool properly tagged and numbered? ☐ Yes ☐ No ☒ n/a

Organization Authorized Signature Vedak Date 25/11/2022

Print Name Veda Kulkarni Phone No. +91 080 67022590 Fax n/a

Title Quality Engineering Email vedak@te.com

**FOR CUSTOMER USE ONLY (IF APPLICABLE)**

PPAP Warrant Disposition : ☐ Approved ☐ Rejected ☐ Other

Customer Signature \_\_\_\_\_ Date \_\_\_\_\_

Print Name \_\_\_\_\_ Customer Tracking Number (optional) \_\_\_\_\_

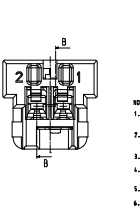
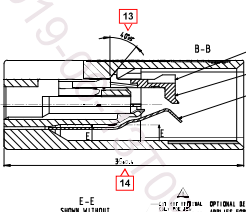
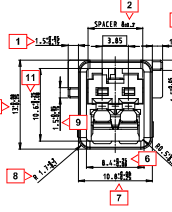
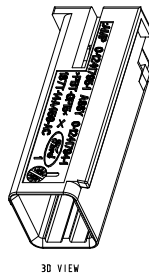
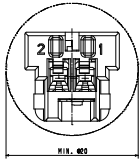
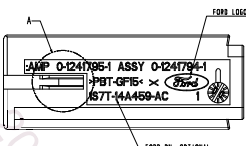
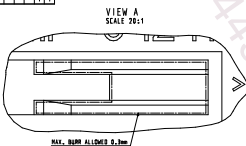
| APPLICABLE COMPONENTS                        |                   |                                  |                  |                         |                             |
|----------------------------------------------|-------------------|----------------------------------|------------------|-------------------------|-----------------------------|
| DESCRIPTION                                  | TERMINAL (VES/MS) | TERMINAL (VES/MS) OR (VES/MS) OR | PLATING (VES/MS) | FORD COMPONENT PART NO. | SUPPLIER COMPONENT PART NO. |
| 0102 1.5mm UNSEALED MALE TERMINAL CAVITY 1-2 | MS                | 0102-003-0                       | N/A              | N/A                     | N/A                         |

## 2POS. 1.5mm UNSEALED MALE CONNECTOR ASSEMBLY CODING 1 AS SHOWN

| PIN DESCRIPTION                    | COLOR       | FORD COMPONENT PART NO. | SUPPLIER COMPONENT PART NO. | MATERIAL/PROCESSING SPEC. NO. | WEIGHT CODE | NO. OF ITEMS REQUIRED |
|------------------------------------|-------------|-------------------------|-----------------------------|-------------------------------|-------------|-----------------------|
| 1 POS. 1.5mm MALE HOUSING CODING 1 | ORANGE      | N/A                     | 0-1241794-1                 | PRE-SPRINT                    | PRE-SPRINT  | 3.49g                 |
| 2 POS. 1.5mm MALE HOUSING CODING 2 | YELLOW      | N/A                     | 0-1241794-2                 | PRE-SPRINT                    | PRE-SPRINT  | 3.49g                 |
| 3 POS. 1.5mm MALE HOUSING CODING 3 | BLUE        | N/A                     | 0-1241794-3                 | PRE-SPRINT                    | PRE-SPRINT  | 3.49g                 |
| 4 POS. 1.5mm MALE HOUSING CODING 4 | GREEN       | N/A                     | 0-1241794-4                 | PRE-SPRINT                    | PRE-SPRINT  | 3.49g                 |
| 5 POS. 1.5mm MALE HOUSING CODING 5 | BROWN       | N/A                     | 0-1241794-5                 | PRE-SPRINT                    | PRE-SPRINT  | 3.49g                 |
| 6 POS. 1.5mm MALE HOUSING CODING 6 | VIOLET      | N/A                     | 0-1241794-6                 | PRE-SPRINT                    | PRE-SPRINT  | 3.49g                 |
| 7 POS. 1.5mm MALE HOUSING CODING 7 | GRAY        | N/A                     | 0-1241794-7                 | PRE-SPRINT                    | PRE-SPRINT  | 3.49g                 |
| 8 POS. 1.5mm MALE HOUSING CODING 8 | ANYONE      | N/A                     | 0-1241794-8                 | PRE-SPRINT                    | PRE-SPRINT  | 3.49g                 |
| 9 POS. 1.5mm MALE HOUSING CODING 9 | LIGHT GREEN | N/A                     | 0-1241794-9                 | PRE-SPRINT                    | PRE-SPRINT  | 3.49g                 |
| 10 SHORTING BAR                    | N/A         | N/A                     | 0-1241794-10                | PRE-SPRINT                    | PRE-SPRINT  | 3.49g                 |
| 11 SHORTING BAR                    | N/A         | N/A                     | 0-1241794-11                | PRE-SPRINT                    | PRE-SPRINT  | 3.49g                 |

| CONNECTOR ASSEMBLY CHART |                |                  |                             |
|--------------------------|----------------|------------------|-----------------------------|
| ASSEMBLY PART NO.'S      | FORD PH.       | NATIVE COMPONENT | SUPPLIER COMPONENT PART NO. |
| 157T-1A4A59-AC           | 157T-1A4A59-AC | N/A              | N/A                         |
| 157T-1A4A59-BC           | 157T-1A4A59-BC | N/A              | N/A                         |
| 157T-1A4A59-CC           | 157T-1A4A59-CC | N/A              | N/A                         |
| 157T-1A4A59-DC           | 157T-1A4A59-DC | N/A              | N/A                         |
| 157T-1A4A59-EC           | 157T-1A4A59-EC | N/A              | N/A                         |
| 157T-1A4A59-FC           | 157T-1A4A59-FC | N/A              | N/A                         |
| 157T-1A4A59-GC           | 157T-1A4A59-GC | N/A              | N/A                         |
| 157T-1A4A59-HC           | 157T-1A4A59-HC | N/A              | N/A                         |
| 157T-1A4A59-IC           | 157T-1A4A59-IC | N/A              | N/A                         |
| 157T-1A4A59-JC           | 157T-1A4A59-JC | N/A              | N/A                         |
| 157T-1A4A59-KC           | 157T-1A4A59-KC | N/A              | N/A                         |
| 157T-1A4A59-LC           | 157T-1A4A59-LC | N/A              | N/A                         |
| 157T-1A4A59-MC           | 157T-1A4A59-MC | N/A              | N/A                         |
| 157T-1A4A59-NC           | 157T-1A4A59-NC | N/A              | N/A                         |
| 157T-1A4A59-OC           | 157T-1A4A59-OC | N/A              | N/A                         |
| 157T-1A4A59-PC           | 157T-1A4A59-PC | N/A              | N/A                         |
| 157T-1A4A59-QC           | 157T-1A4A59-QC | N/A              | N/A                         |
| 157T-1A4A59-RC           | 157T-1A4A59-RC | N/A              | N/A                         |
| 157T-1A4A59-SC           | 157T-1A4A59-SC | N/A              | N/A                         |
| 157T-1A4A59-TC           | 157T-1A4A59-TC | N/A              | N/A                         |
| 157T-1A4A59-UC           | 157T-1A4A59-UC | N/A              | N/A                         |
| 157T-1A4A59-VC           | 157T-1A4A59-VC | N/A              | N/A                         |
| 157T-1A4A59-WC           | 157T-1A4A59-WC | N/A              | N/A                         |
| 157T-1A4A59-XC           | 157T-1A4A59-XC | N/A              | N/A                         |
| 157T-1A4A59-YC           | 157T-1A4A59-YC | N/A              | N/A                         |
| 157T-1A4A59-ZC           | 157T-1A4A59-ZC | N/A              | N/A                         |

| SUITABLE WITH SOCKET H54 |                |
|--------------------------|----------------|
| SUPPLIER PH.             | FORD PH.       |
| 0-1241794-1              | 157T-1A4A59-AC |
| 0-1241794-2              | 157T-1A4A59-BC |
| 0-1241794-3              | 157T-1A4A59-CC |
| 0-1241794-4              | 157T-1A4A59-DC |
| 0-1241794-5              | 157T-1A4A59-EC |
| 0-1241794-6              | 157T-1A4A59-FC |
| 0-1241794-7              | 157T-1A4A59-GC |
| 0-1241794-8              | 157T-1A4A59-HC |
| 0-1241794-9              | 157T-1A4A59-IC |
| 0-1241794-10             | 157T-1A4A59-JC |
| 0-1241794-11             | 157T-1A4A59-KC |
| 0-1241794-12             | 157T-1A4A59-LC |
| 0-1241794-13             | 157T-1A4A59-MC |
| 0-1241794-14             | 157T-1A4A59-NC |
| 0-1241794-15             | 157T-1A4A59-OC |
| 0-1241794-16             | 157T-1A4A59-PC |
| 0-1241794-17             | 157T-1A4A59-QC |
| 0-1241794-18             | 157T-1A4A59-RC |
| 0-1241794-19             | 157T-1A4A59-SC |
| 0-1241794-20             | 157T-1A4A59-TC |
| 0-1241794-21             | 157T-1A4A59-UC |
| 0-1241794-22             | 157T-1A4A59-VC |
| 0-1241794-23             | 157T-1A4A59-WC |
| 0-1241794-24             | 157T-1A4A59-XC |
| 0-1241794-25             | 157T-1A4A59-YC |
| 0-1241794-26             | 157T-1A4A59-ZC |



| CODINGS                         |                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| CODING 1                        | CODING 2                        | CODING 3                        | CODING 4                        |
| 157T-1A4A59-AC                  | 157T-1A4A59-BC                  | 157T-1A4A59-CC                  | 157T-1A4A59-DC                  |
| TE CONNECTIVITY PH. 0-1241794-1 | TE CONNECTIVITY PH. 0-1241794-2 | TE CONNECTIVITY PH. 0-1241794-3 | TE CONNECTIVITY PH. 0-1241794-4 |
| WITH SHORTING BAR               | WITH SHORTING BAR               | WITHOUT SHORTING BAR            | WITHOUT SHORTING BAR            |

| CODINGS                         |                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| CODING 5                        | CODING 6                        | CODING 7                        | CODING 8                        |
| 157T-1A4A59-EC                  | 157T-1A4A59-FC                  | 157T-1A4A59-GC                  | 157T-1A4A59-HC                  |
| TE CONNECTIVITY PH. 0-1241794-5 | TE CONNECTIVITY PH. 0-1241794-6 | TE CONNECTIVITY PH. 0-1241794-7 | TE CONNECTIVITY PH. 0-1241794-8 |
| WITHOUT SHORTING BAR            | WITHOUT SHORTING BAR            | WITHOUT SHORTING BAR            | WITH SHORTING BAR               |

| CODINGS                         |                                  |
|---------------------------------|----------------------------------|
| CODING 9                        | CODING 10                        |
| 157T-1A4A59-IC                  | 157T-1A4A59-JC                   |
| TE CONNECTIVITY PH. 0-1241794-9 | TE CONNECTIVITY PH. 0-1241794-10 |
| WITH SHORTING BAR               | WITH SHORTING BAR                |

- NOTES: UNLESS OTHERWISE SPECIFIED:
- PARTS MUST CONFORM TO THE ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (ECS) REV. 1.1, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0, 15.0, 16.0, 17.0, 18.0, 19.0, 20.0, 21.0, 22.0, 23.0, 24.0, 25.0, 26.0, 27.0, 28.0, 29.0, 30.0, 31.0, 32.0, 33.0, 34.0, 35.0, 36.0, 37.0, 38.0, 39.0, 40.0, 41.0, 42.0, 43.0, 44.0, 45.0, 46.0, 47.0, 48.0, 49.0, 50.0, 51.0, 52.0, 53.0, 54.0, 55.0, 56.0, 57.0, 58.0, 59.0, 60.0, 61.0, 62.0, 63.0, 64.0, 65.0, 66.0, 67.0, 68.0, 69.0, 70.0, 71.0, 72.0, 73.0, 74.0, 75.0, 76.0, 77.0, 78.0, 79.0, 80.0, 81.0, 82.0, 83.0, 84.0, 85.0, 86.0, 87.0, 88.0, 89.0, 90.0, 91.0, 92.0, 93.0, 94.0, 95.0, 96.0, 97.0, 98.0, 99.0, 100.0, 101.0, 102.0, 103.0, 104.0, 105.0, 106.0, 107.0, 108.0, 109.0, 110.0, 111.0, 112.0, 113.0, 114.0, 115.0, 116.0, 117.0, 118.0, 119.0, 120.0, 121.0, 122.0, 123.0, 124.0, 125.0, 126.0, 127.0, 128.0, 129.0, 130.0, 131.0, 132.0, 133.0, 134.0, 135.0, 136.0, 137.0, 138.0, 139.0, 140.0, 141.0, 142.0, 143.0, 144.0, 145.0, 146.0, 147.0, 148.0, 149.0, 150.0, 151.0, 152.0, 153.0, 154.0, 155.0, 156.0, 157.0, 158.0, 159.0, 160.0, 161.0, 162.0, 163.0, 164.0, 165.0, 166.0, 167.0, 168.0, 169.0, 170.0, 171.0, 172.0, 173.0, 174.0, 175.0, 176.0, 177.0, 178.0, 179.0, 180.0, 181.0, 182.0, 183.0, 184.0, 185.0, 186.0, 187.0, 188.0, 189.0, 190.0, 191.0, 192.0, 193.0, 194.0, 195.0, 196.0, 197.0, 198.0, 199.0, 200.0, 201.0, 202.0, 203.0, 204.0, 205.0, 206.0, 207.0, 208.0, 209.0, 210.0, 211.0, 212.0, 213.0, 214.0, 215.0, 216.0, 217.0, 218.0, 219.0, 220.0, 221.0, 222.0, 223.0, 224.0, 225.0, 226.0, 227.0, 228.0, 229.0, 230.0, 231.0, 232.0, 233.0, 234.0, 235.0, 236.0, 237.0, 238.0, 239.0, 240.0, 241.0, 242.0, 243.0, 244.0, 245.0, 246.0, 247.0, 248.0, 249.0, 250.0, 251.0, 252.0, 253.0, 254.0, 255.0, 256.0, 257.0, 258.0, 259.0, 260.0, 261.0, 262.0, 263.0, 264.0, 265.0, 266.0, 267.0, 268.0, 269.0, 270.0, 271.0, 272.0, 273.0, 274.0, 275.0, 276.0, 277.0, 278.0, 279.0, 280.0, 281.0, 282.0, 283.0, 284.0, 285.0, 286.0, 287.0, 288.0, 289.0, 290.0, 291.0, 292.0, 293.0, 294.0, 295.0, 296.0, 297.0, 298.0, 299.0, 300.0, 301.0, 302.0, 303.0, 304.0, 305.0, 306.0, 307.0, 308.0, 309.0, 310.0, 311.0, 312.0, 313.0, 314.0, 315.0, 316.0, 317.0, 318.0, 319.0, 320.0, 321.0, 322.0, 323.0, 324.0, 325.0, 326.0, 327.0, 328.0, 329.0, 330.0, 331.0, 332.0, 333.0, 334.0, 335.0, 336.0, 337.0, 338.0, 339.0, 340.0, 341.0, 342.0, 343.0, 344.0, 345.0, 346.0, 347.0, 348.0, 349.0, 350.0, 351.0, 352.0, 353.0, 354.0, 355.0, 356.0, 357.0, 358.0, 359.0, 360.0, 361.0, 362.0, 363.0, 364.0, 365.0, 366.0, 367.0, 368.0, 369.0, 370.0, 371.0, 372.0, 373.0, 374.0, 375.0, 376.0, 377.0, 378.0, 379.0, 380.0, 381.0, 382.0, 383.0, 384.0, 385.0, 386.0, 387.0, 388.0, 389.0, 390.0, 391.0, 392.0, 393.0, 394.0, 395.0, 396.0, 397.0, 398.0, 399.0, 400.0, 401.0, 402.0, 403.0, 404.0, 405.0, 406.0, 407.0, 408.0, 409.0, 410.0, 411.0, 412.0, 413.0, 414.0, 415.0, 416.0, 417.0, 418.0, 419.0, 420.0, 421.0, 422.0, 423.0, 424.0, 425.0, 426.0, 427.0, 428.0, 429.0, 430.0, 431.0, 432.0, 433.0, 434.0, 435.0, 436.0, 437.0, 438.0, 439.0, 440.0, 441.0, 442.0, 443.0, 444.0, 445.0, 446.0, 447.0, 448.0, 449.0, 450.0, 451.0, 452.0, 453.0, 454.0, 455.0, 456.0, 457.0, 458.0, 459.0, 460.0, 461.0, 462.0, 463.0, 464.0, 465.0, 466.0, 467.0, 468.0, 469.0, 470.0, 471.0, 472.0, 473.0, 474.0, 475.0, 476.0, 477.0, 478.0, 479.0, 480.0, 481.0, 482.0, 483.0, 484.0, 485.0, 486.0, 487.0, 488.0, 489.0, 490.0, 491.0, 492.0, 493.0, 494.0, 495.0, 496.0, 497.0, 498.0, 499.0, 500.0, 501.0, 502.0, 503.0, 504.0, 505.0, 506.0, 507.0, 508.0, 509.0, 510.0, 511.0, 512.0, 513.0, 514.0, 515.0, 516.0, 517.0, 518.0, 519.0, 520.0, 521.0, 522.0, 523.0, 524.0, 525.0, 526.0, 527.0, 528.0, 529.0, 530.0, 531.0, 532.0, 533.0, 534.0, 535.0, 536.0, 537.0, 538.0, 539.0, 540.0, 541.0, 542.0, 543.0, 544.0, 545.0, 546.0, 547.0, 548.0, 549.0, 550.0, 551.0, 552.0, 553.0, 554.0, 555.0, 556.0, 557.0, 558.0, 559.0, 560.0, 561.0, 562.0, 563.0, 564.0, 565.0, 566.0, 567.0, 568.0, 569.0, 570.0, 571.0, 572.0, 573.0, 574.0, 575.0, 576.0, 577.0, 578.0, 579.0, 580.0, 581.0, 582.0, 583.0, 584.0, 585.0, 586.0, 587.0, 588.0, 589.0, 590.0, 591.0, 592.0, 593.0, 594.0, 595.0, 596.0, 597.0, 598.0, 599.0, 600.0, 601.0, 602.0, 603.0, 604.0, 605.0, 606.0, 607.0, 608.0, 609.0, 610.0, 611.0, 612.0, 613.0, 614.0, 615.0, 616.0, 617.0, 618.0, 619.0, 620.0, 621.0, 622.0, 623.0, 624.0, 625.0, 626.0, 627.0, 628.0, 629.0, 630.0, 631.0, 632.0, 633.0, 634.0, 635.0, 636.0, 637.0, 638.0, 639.0, 640.0, 641.0, 642.0, 643.0, 644.0, 645.0, 646.0, 647.0, 648.0, 649.0, 650.0, 651.0, 652.0, 653.0, 654.0, 655.0, 656.0, 657.0, 658.0, 659.0, 660.0, 661.0, 662.0, 663.0, 664.0, 665.0, 666.0, 667.0, 668.0, 669.0, 670.0, 671.0, 672.0, 673.0, 674.0, 675.0, 676.0, 677.0, 678.0, 679.0, 680.0, 681.0, 682.0, 683.0, 684.0, 685.0, 686.0, 687.0, 688.0, 689.0, 690.0, 691.0, 692.0, 693.0, 694.0, 695.0, 696.0, 697.0, 698.0, 699.0, 700.0, 701.0, 702.0, 703.0, 704.0, 705.0, 706.0, 707.0, 708.0, 709.0, 710.0, 711.0, 712.0, 713.0, 714.0, 715.0, 716.0, 717.0, 718.0, 719.0, 720.0, 721.0, 722.0, 723.0, 724.0, 725.0, 726.0, 727.0, 728.0, 729.0, 730.0, 731.0, 732.0, 733.0, 734.0, 735.0, 736.0, 737.0, 738.0, 739.0, 740.0, 741.0, 742.0, 743.0, 744.0, 745.0, 746.0, 747.0, 748.0, 749.0, 750.0, 751.0, 752.0, 753.0, 754.0, 755.0, 756.0, 757.0, 758.0, 759.0, 760.0, 761.0, 762.0, 763.0, 764.0, 765.0, 766.0, 767.0, 768.0, 769.0, 770.0, 771.0, 772.0, 773.0, 774.0, 775.0, 776.0, 777.0, 778.0, 779.0, 780.0, 781.0, 782.0, 783.0, 784.0, 785.0, 786.0, 787.0, 788.0, 789.0, 790.0, 791.0, 792.0, 793.0, 794.0, 795.0, 796.0, 797.0, 798.0, 799.0, 800.0, 801.0, 802.0, 803.0, 804.0, 805.0, 806.0, 807.0, 808.0, 809.0, 810.0, 811.0, 812.0, 813.0, 814.0, 815.0, 816.0, 817.0, 818.0, 819.0, 820.0, 821.0, 822.0, 823.0, 824.0, 825.0, 826.0, 827.0, 828.0, 829.0, 830.0, 831.0, 832.0, 833.0, 834.0, 835.0, 836.0, 837.0, 838.0, 839.0, 840.0, 841.0, 842.0, 843.0, 844.0, 845.0, 846.0, 847.0, 848.0, 849.0, 850.0, 851.0, 852.0, 853.0, 854.0, 855.0, 856.0, 857.0, 858.0, 859.0, 860.0, 861.0, 862.0, 863.0, 864.0, 865.0, 866.0, 867.0, 868.0, 869.0, 870.0, 871.0, 872.0, 873.0, 874.0, 875.0, 876.0, 877.0, 878.0, 879.0, 880.0, 881.0, 882.0, 883.0, 884.0, 885.0, 886.0, 887.0, 888.0, 889.0, 890.0, 891.0, 892.0, 893.0, 894.0, 895.0, 896.0, 897.0, 898.0, 899.0, 900.0, 901.0, 902.0, 903.0, 904.0, 905.0, 906.0, 907.0, 908.0, 909.0, 910.0, 911.0, 912.0, 913.0, 914.0, 915.0, 916.0, 917.0, 918.0, 919.0, 920.0, 921.0, 922.0, 923.0, 924.0, 925.0, 926.0, 927.0, 928.0, 929.0, 930.0, 931.0, 932.0, 933.0, 934.0, 935.0, 936.0, 937.0, 938.0, 939.0, 940.0, 941.0, 942.0, 943.0, 944.0, 945.0, 946.0, 947.0, 948.0, 949.0, 950.0, 951.0, 952.0, 953.0, 954.0, 955.0, 956.0, 957.0, 958.0, 959.0, 960.0, 961.0, 962.0, 963.0, 964.0, 965.0, 966.0, 967.0, 968.0, 969.0, 970.0, 971.0, 972.0, 973.0, 974.0, 975.0, 976.0, 977.0, 978.0, 979.0, 980.0, 981.0, 982.0, 983.0, 984.0, 985.0, 986.0, 987.0, 988.0, 989.0, 990.0, 991.0, 992.0, 993.0, 994.0, 995.0, 996.0, 997.0, 998.0, 999.0, 1000.0, 1001.0, 1002.0, 1003.0, 1004.0, 1005.0, 1006.0, 1007.0, 1008.0, 1009.0, 1010.0, 1011.0, 1012.0, 1013.0, 1014.0, 1015.0, 1016.0, 10



## Production Part Approval Dimension Test Results

Page 1 of 1 Pages

0244/21

| ORGANIZATION:                                               |                           |                        |           | PART NUMBER 23500-06-01                           |                                        |               |               |               |               |               |               |               |    |        |
|-------------------------------------------------------------|---------------------------|------------------------|-----------|---------------------------------------------------|----------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----|--------|
| SUPPLIER/VENDOR CODE <b>Tyco Electronics Czech s.r.o. /</b> |                           |                        |           | PART NAME SLR WIR CONN MLE                        |                                        |               |               |               |               |               |               |               |    |        |
| INSPECTION FACILITY <b>Kuřim</b>                            |                           |                        |           | DESIGN RECORD CHANGE LEVEL: 1S7T-14A459-AC        |                                        |               |               |               |               |               |               |               |    |        |
|                                                             |                           |                        |           | ENGINEERING CHANGE DOCUMENTS: AELE E 12625180 579 |                                        |               |               |               |               |               |               |               |    |        |
| ITEM                                                        | DIMENSION / SPECIFICATION | SPECIFICATION / LIMITS | TEST DATE | QTY. TESTED                                       | ORGANIZATION MEASUREMENT RESULT (DATA) |               |               |               |               |               |               |               | OK | NOT OK |
|                                                             | <b>tool No. 1075346</b>   |                        |           |                                                   | <b>cav.41</b>                          | <b>cav.42</b> | <b>cav.43</b> | <b>cav.44</b> | <b>cav.45</b> | <b>cav.46</b> | <b>cav.47</b> | <b>cav.48</b> |    |        |
| 1                                                           | 1,5                       | -0,15/+0,05            |           |                                                   | 1,49                                   | 1,50          | 1,49          | 1,49          | 1,49          | 1,51          | 1,50          | 1,51          | x  |        |
| 2                                                           | 8                         | ±0,2                   |           |                                                   | 7,98                                   | 7,97          | 7,97          | 8,02          | 7,95          | 7,96          | 7,98          | 7,96          | x  |        |
| 3                                                           | 1,5                       | -0,15/+0,05            |           |                                                   | 1,49                                   | 1,49          | 1,49          | 1,49          | 1,47          | 1,48          | 1,49          | 1,48          | x  |        |
| 4                                                           | 1,5                       | -0,15/+0,05            |           |                                                   | 1,50                                   | 1,49          | 1,49          | 1,48          | 1,48          | 1,48          | 1,51          | 1,51          | x  |        |
| 5                                                           | R 0,5                     | -0,2/+0,1              |           |                                                   | 0,52                                   | 0,49          | 0,55          | 0,56          | 0,57          | 0,50          | 0,54          | 0,51          | x  |        |
| 6                                                           | 8                         | -0,08/+0,25            |           |                                                   | 8,55                                   | 8,53          | 8,62          | 8,51          | 8,53          | 8,51          | 8,63          | 8,64          | x  |        |
| 7                                                           | 10,8                      | -0,25/+0,08            |           |                                                   | 10,73                                  | 10,70         | 10,71         | 10,76         | 10,71         | 10,73         | 10,70         | 10,71         | x  |        |
| 8                                                           | R 1,7                     | -0,1/+0,2              |           |                                                   | 1,61                                   | 1,60          | 1,63          | 1,62          | 1,60          | 1,60          | 1,63          | 1,65          | x  |        |
| 9                                                           | 1,5                       | -0,15/+0,05            |           |                                                   | 1,48                                   | 1,49          | 1,49          | 1,48          | 1,48          | 1,48          | 1,48          | 1,48          | x  |        |
| 10                                                          | 13                        | -0,25/+0,08            |           |                                                   | 12,90                                  | 12,91         | 12,89         | 12,88         | 12,87         | 12,87         | 12,87         | 12,91         | x  |        |
| 11                                                          | 10,6                      | -0,08/+0,25            |           |                                                   | 10,74                                  | 10,76         | 10,78         | 10,74         | 10,73         | 10,70         | 10,75         | 10,72         | x  |        |
| 12                                                          | 11,1                      | ±0,15                  |           |                                                   | 11,10                                  | 11,09         | 11,12         | 11,12         | 11,12         | 11,10         | 11,11         | 11,11         | x  |        |
| 13                                                          | 40°                       | ±5°                    |           |                                                   | 41°                                    | 42°           | 42°           | 42°           | 41°           | 43°           | 41°           | 41°           | x  |        |
| 14                                                          | 35                        | ±0,4                   |           |                                                   | 35,15                                  | 35,10         | 35,09         | 35,04         | 35,12         | 35,10         | 35,04         | 35,09         | x  |        |
| 15                                                          | 3,75                      | ±0,1                   |           |                                                   | 3,77                                   | 3,72          | 3,73          | 3,75          | 3,74          | 3,71          | 3,73          | 3,75          | x  |        |
|                                                             |                           |                        |           |                                                   |                                        |               |               |               |               |               |               |               |    |        |
|                                                             |                           |                        |           |                                                   |                                        |               |               |               |               |               |               |               |    |        |
|                                                             |                           |                        |           |                                                   |                                        |               |               |               |               |               |               |               |    |        |

Blanked statements of conformance are unacceptable for any test results

|              |                 |            |
|--------------|-----------------|------------|
| SIGNATURE    | TITLE           | DATE       |
| Martin Striz | PPAP Specialist | 11.02.2021 |

11.02.2021

**1**

## **1.5mm Tab Housing**

TE PN 0-1241795-2

# ABNAHMEPRÜFZEUGNIS

Nach EN10204 3.1

Von: **DP Specialty Products Operations**  
**Chemin du Pavillon 2**  
**CH-1218 GRAND-SACONNEX**

An: **SCHENKER DEUTSCHLAND GMBH**  
**LUDWIG-ERHARD-STRASSE 100**  
**D-74564 CRAILSHEIM**

Ihre Bestellangaben: **D10767545-Rel:1206**  
Ihre Produkt Ref.: **703457-1 (CRASK602 NC010 1000 KG OCTABIN PC3)**

Produkt: **CRASK602 NC010 1000 KG OCTABIN PC3**  
Lot Nr: **EUQUJE8201**

Ursprungsland: **Germany**  
Versandort: **GENK CLEARED WHSE 8933 B9** **15 Okt 2020**  
Unsere Best.angaben /  
Versandauftrag: **2500712044 / 7801406109**

Wir bestätigen, dass dieses Material den Standardkriterien von DuPont entspricht.

Die unten aufgelisteten Messwerte sind das Ergebnis repräsentativer Proben, die der oben genannten Charge nacheinem definierten Plan entnommen wurden.

| Produktmerkmale                   | Prüfmethode | Einheit | Wert  | Grenzwerte |       |
|-----------------------------------|-------------|---------|-------|------------|-------|
|                                   |             |         |       | Min.       | Max.  |
| Feuchtigkeitsgehalt beim Abpacken | ISO 15512   | %       | 0,030 |            | 0,100 |
| Glührückstand %                   | ISO 3451/1  | %       | 14,8  | 13,0       | 17,0  |
| Kapillare Schmelzviskosität       | ISO 11443   | Pa.s    | 191,5 | 160,0      | 260,0 |
| Viscositätsmessung                |             | dl/g    | 0,86  |            |       |
| Viscositätszahl                   |             | cm³/g   | 106   |            |       |

Bitte ziehen Sie unsere Produktliteratur zu Rate oder setzen Sie sich bei etwaigen Fragen mit Ihrem DuPont Vertreter in Verbindung.

Dieses Zertifikat wurde durch den Computer erstellt und hat keine Unterschrift.

Abteilung Qualitätsmanagement

Dieses Produktzertifikat ist nicht übertragbar und nur gültig für den direkten Kunden von DuPont oder einem seiner offiziellen Händler. Produkt oder Produktzertifikate von nichtautorisierten Quellen ist als Fälschung zu betrachten und DuPont akzeptiert keinerlei Verantwortung im Zusammenhang mit der Nutzung von solchen Produkten oder Produktzertifikaten. Unter +800-3876-6838 kann eine Liste autorisierter Händler erhalten werden. Copyright © 2006 du Pont de Nemours International S.A. Alle Rechte vorbehalten. Eigentum von du Pont de Nemours International S.A. Dieses Dokument darf, auch auszugsweise, weder elektronisch noch manuell oder auf irgendeine andere Weise, einschl. xerographisch oder durch photokopieren, vervielfältigt werden, durch Speicherungs- oder Verteilungssystem oder andersartig verteilt werden, ohne die ausdrückliche Erlaubnis von du Pont de Nemours International S.A.

**Tyco Electronics Czech****s.r.o.****K AMP 1293****CZ-664 34 Kurim****Czech Republic**

Tel.: 00420 541 162 111

Fax: 00420 541 162 223

**Your order no.: 2713733933****Our order no.: 20G24776 / 19.10.2020****No. of Del.: SH200028102 / 10.11.2020****Your Account No.: 72781**Delivery address**Tyco Electronics AMP****K AMP 1293****KURIM Warehouse****Receiving****CZ-664 34 Kurim****Czech Republic****Our Supplier Num.: 105759****Cust. Part Number: 2-705184-8****Cust Part Desc.: zinkgelb, zinc yellow****Test Certificate 3.1**

[acc. EN :10204]

| Article<br>-No. | Designation     | Quantity     | Lot         | Production<br>date | Expir.<br>Date |
|-----------------|-----------------|--------------|-------------|--------------------|----------------|
| 2/7317          | MB PE<br>YELLOW | 100.00<br>kg | 2009G143806 | 24/09/2020         | 16/02/2048     |

**PROPERTIES**

- Grain Type: Cylindrical Granules
- Other properties: see technical and safety datasheet

- \*1 Color measurement spectrophotometer to DIN 6174 / Light D65 / 10 °
- \*2 Determination of bulk density in g / l to EN ISO 60
- \*3 Determination of the MVR in cm<sup>3</sup>/10min according to DIN EN ISO 1133-1
- \*4 Visual inspection in accordance with DIN 6173 part 1 and 3

| Charge no   | Analysis<br>Description | Minimum<br>Value | Maximum<br>Value | Result           |
|-------------|-------------------------|------------------|------------------|------------------|
| 2009G143806 | *2/ Bulk<br>Density     | 741              | 819              | 798              |
|             | *4/ Visual<br>check     |                  |                  | Freigabe/Release |

Typing mistakes and errors not  
excluded!

HM 4.03 004/02  
02.01.08

The above mentioned product was produced and tested with all reasonable care and  
released to be despatched

Color Service GmbH & Co. KG | Am Mittelberg 3 | 63791 Karlstein | F: +49 6188 4469-111  
HRA 5618 Amtsgericht Aschaffenburg | USt-IdNr. DE 230225490

**www.color-service.de**

Komplementärin: Color Service Verwaltungs GmbH | HRB 13811 Amtsgericht Aschaffenburg  
Geschäftsführer: Dr. Thomas Kemmler | Amos Meglides | Yedidya Engel

Commerzbank: BIC COBADEFFXXX | IBAN DE63 4004 0028 0120 3967 00  
LBBW: BIC SOLADESTXXX | IBAN DE 17 6005 0101 7401 5148 13  
HypoVereinsbank: BIC HYVEDEMM430 | IBAN DE89 5032 0191 4850 1919 86

**2**

**Spacer**

TE PN 0-1241796-1



# ABNAHMEPRÜFZEUGNIS

Nach EN10204 3.1

Von: **DP Specialty Products Operations**  
**Chemin du Pavillon 2**  
**CH-1218 GRAND-SACONNEX**

An: **SCHENKER DEUTSCHLAND GMBH**  
**LUDWIG-ERHARD-STRASSE 100**  
**D-74564 CRAILSHEIM**

Ihre Bestellangaben: **D10767545-Rel:1206**  
Ihre Produkt Ref.: **703457-1 (CRASK602 NC010 1000 KG OCTABIN PC3)**

Produkt: **CRASK602 NC010 1000 KG OCTABIN PC3**  
Lot Nr: **EUQUJE8201**

Ursprungsland: **Germany**  
Versandort: **GENK CLEARED WHSE 8933 B9** **15 Okt 2020**  
Unsere Best.angaben /  
Versandauftrag: **2500712044 / 7801406109**

Wir bestätigen, dass dieses Material den Standardkriterien von DuPont entspricht.

Die unten aufgelisteten Messwerte sind das Ergebnis repräsentativer Proben, die der oben genannten Charge nacheinem definierten Plan entnommen wurden.

| Produktmerkmale                   | Prüfmethode | Einheit | Wert  | Grenzwerte |       |
|-----------------------------------|-------------|---------|-------|------------|-------|
|                                   |             |         |       | Min.       | Max.  |
| Feuchtigkeitsgehalt beim Abpacken | ISO 15512   | %       | 0,030 |            | 0,100 |
| Glührückstand %                   | ISO 3451/1  | %       | 14,8  | 13,0       | 17,0  |
| Kapillare Schmelzviskosität       | ISO 11443   | Pa.s    | 191,5 | 160,0      | 260,0 |
| Viscositätsmessung                |             | dl/g    | 0,86  |            |       |
| Viscositätszahl                   |             | cm³/g   | 106   |            |       |

Bitte ziehen Sie unsere Produktliteratur zu Rate oder setzen Sie sich bei etwaigen Fragen mit Ihrem DuPont Vertreter in Verbindung.

Dieses Zertifikat wurde durch den Computer erstellt und hat keine Unterschrift.

Abteilung Qualitätsmanagement

Dieses Produktzertifikat ist nicht übertragbar und nur gültig für den direkten Kunden von DuPont oder einem seiner offiziellen Händler. Produkt oder Produktzertifikate von nichtautorisierten Quellen ist als Fälschung zu betrachten und DuPont akzeptiert keinerlei Verantwortung im Zusammenhang mit der Nutzung von solchen Produkten oder Produktzertifikaten. Unter +800-3876-6838 kann eine Liste autorisierter Händler erhalten werden. Copyright © 2006 du Pont de Nemours International S.A. Alle Rechte vorbehalten. Eigentum von du Pont de Nemours International S.A. Dieses Dokument darf, auch auszugsweise, weder elektronisch noch manuell oder auf irgendeine andere Weise, einschl. xerographisch oder durch photokopieren, vervielfältigt werden, durch Speicherungs- oder Verteilungssystem oder andersartig verteilt werden, ohne die ausdrückliche Erlaubnis von du Pont de Nemours International S.A.

**Tyco Electronics Czech s.r.o.**  
 K AMP 1293  
 CZ-664 34 Kurim  
 Czech Republic  
 Tel.: 00420 541 162 111  
 Fax: 00420 541 162 223

Delivery address  
**Tyco Electronics AMP**  
 K AMP 1293  
 KURIM Warehouse  
 Receiving  
 CZ-664 34 Kurim  
 Czech Republic

**Your order no.: 2712086175**  
**Our order no.: 20G11223 / 05.05.2020**  
**No. of Del.: SH200012496 / 12.05.2020**  
**Your Account No.: 72781**

**Our Supplier Num.: 105759**  
**Cust. Part Number: 702998-5**  
**Cust Part Desc.: flammrot, flame red**

**Test Certificate 3.1**

[acc. EN :10204]

| Article-No. | Designation | Quantity | Lot         | Production date | Expir. Date |
|-------------|-------------|----------|-------------|-----------------|-------------|
| 5/7308      | MB PE RED   | 25.00 kg | 2001G009501 | 16/01/2020      | 07/06/2047  |

**PROPERTIES**

- Grain Type: Cylindrical Granules
- Other properties: see technical and safety datasheet

- \*1 Color measurement spectrophotometer to DIN 6174 / Light D65 / 10 °
- \*2 Determination of bulk density in g / l to EN ISO 60
- \*3 Determination of the MVR in cm<sup>3</sup>/10min according to DIN EN ISO 1133-1
- \*4 Visual inspection in accordance with DIN 6173 part 1 and 3

| Charge no   | Analysis Description | Minimum Value | Maximum Value | Result           |
|-------------|----------------------|---------------|---------------|------------------|
| 2001G009501 | *2/ Bulk Density     | 518           | 572           | 550              |
|             | *4/ Visual check     |               |               | Freigabe/Release |

Typing mistakes and errors not excluded!

 HM 4.03 004/02  
 02.01.08

The above mentioned product was produced and tested with all reasonable care and released to be despatched .

Karlstein , date 12.05.2020  
 Inspection office: Head of Quality Management /  
 Frank Hahndorff This form is created automatically  
 and needs no signatur

**3**

## **Shorting bar**

TE PN 0-1241797-1

Zapp Precision Metals GmbH, Postfach 21 29, D-59411 Unna

TYCO Electronics CZECH s.r.o.  
K AMP 1293  
664 34 KURIM  
TSCHECHIEN

Attest-Nr./Certificate No. 10354386000010 01

Datum/Date 10.08.2020 Seite/Page/Page 1/2

|                                                                                     |                                                                                                                                                                            |                                                                             |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| <b>Kunden-Bestell-Nr.</b><br>Customer PO# / No. de commande                         | 2550119751 vom/of/du 16.03.2018                                                                                                                                            |                                                                             |
| <b>Kunden-Material-Nr.</b><br>Customer Part No. / Votre No. d'article               | 8-704567-9 REV. BT                                                                                                                                                         |                                                                             |
| <b>Kunden-Spezifikationen</b><br>Customer Specification / Spécification de client   | TEC 138-702 Rev. M. / Inspection confirmation 09.10.17<br>TEC 100-309-2 Rev. U / Inspection confirmation 05.11.12<br>TEC 100-410 Rev. D / Inspection confirmation 05.11.12 |                                                                             |
| <b>Kundenr.</b><br>Customer No. / Code client                                       | 625000                                                                                                                                                                     | <b>Lieferschein-Nr.</b> 10354386 Pos 10<br>Delivery Note / Bon de livraison |
| <b>Auftragsnr.</b><br>Sales Order No./No. de commande                               | 1328918                                                                                                                                                                    | <b>Kontakt</b> Brigitte Robbert<br>Contact Tel. +49 2304 79-7495            |
| <b>Materialnr.</b><br>Material No./No.d'article                                     | 2010977                                                                                                                                                                    |                                                                             |
| <b>Bezeichnung</b><br>Material Designation / Désignation                            | EDELSTAHL ROSTFREI EN 10151, 10088-2 - PRÄZISBAND EN ISO 9445-1                                                                                                            |                                                                             |
| <b>Werkstoff</b>                                                                    | ERGSTE 1.4310 FS                                                                                                                                                           |                                                                             |
| <b>Abmessung</b>                                                                    | 0,3000 mm X 36,000 mm                                                                                                                                                      |                                                                             |
| <b>Oberfläche</b>                                                                   | blank                                                                                                                                                                      |                                                                             |
| <b>Kante</b>                                                                        | geschnittene Kanten                                                                                                                                                        |                                                                             |
| <b>Breitentoleranz</b>                                                              | -0,050 mm / 0,050 mm                                                                                                                                                       |                                                                             |
| <b>Dickentoleranz</b>                                                               | -0,0100 mm / 0,0100 mm                                                                                                                                                     |                                                                             |
| <b>Chemische Zusammensetzung (%)</b><br>Chemical Composition / Composition chimique |                                                                                                                                                                            | <b>Schmelzenr.</b> 0A74015<br>Heat No./ No. de coulée                       |
| <b>Erschmelzungsart:</b> AOD<br>Melting Process / Mode d'élaboration                |                                                                                                                                                                            |                                                                             |

|     | C      | Si     | Mn     | P      | S      | N      | Cr      | Ni     | Mo     |
|-----|--------|--------|--------|--------|--------|--------|---------|--------|--------|
| Ist | 0,1000 | 0,9100 | 1,1300 | 0,0290 | 0,0020 | 0,0680 | 16,9000 | 6,6000 | 0,0400 |

**Produktionslos** 4602825  
Production Lot / Unité de production  
**Gewicht**  
Weight / Poids  
**Packstücke** 1328006007  
Pack.Unit / No. de caisse  
**Prüfergebnisse**  
Inspection result / Résultats d'examen

|                                 | Soll (min) | Soll (max) | Ist (min) | Ist (max) |
|---------------------------------|------------|------------|-----------|-----------|
| <b>Zugfestigkeit Rm (MPa)</b>   | 1350       | 1500       | 1390      | 1397      |
| <b>Streckgrenze Rp0,2 (MPa)</b> | 1000       |            | 1077      | 1097      |
| <b>A80 (%)</b>                  | 13,0       |            | 17,0      | 19,9      |
| <b>Abk. r/s quer 180°</b>       |            | 1,00       | 1,00      | 1,00      |
| <b>Abk. r/s längs 180°</b>      |            | 3,00       | 3,00      | 3,00      |
| <b>Mittenrauwert Ra (µm)</b>    |            | 0,200      | 0,128     | 0,134     |

Maße und Identifikation geprüft und in Ordnung.  
Visuelle Prüfung der Oberfläche am Endprodukt: ohne Befund.  
Entsprechend den in der Auftragsbestätigung genannten Bedingungen.

AWE / G. LA PAGLIA  
Abnahme / Abn.Beauftragter  
Acceptance / Inspection representative  
Contrôle / Contrôleur

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Dieses Zeugnis ist rechnererstellt und somit gemäß  
EN 10204 Abs. 5 ohne Unterschrift gültig