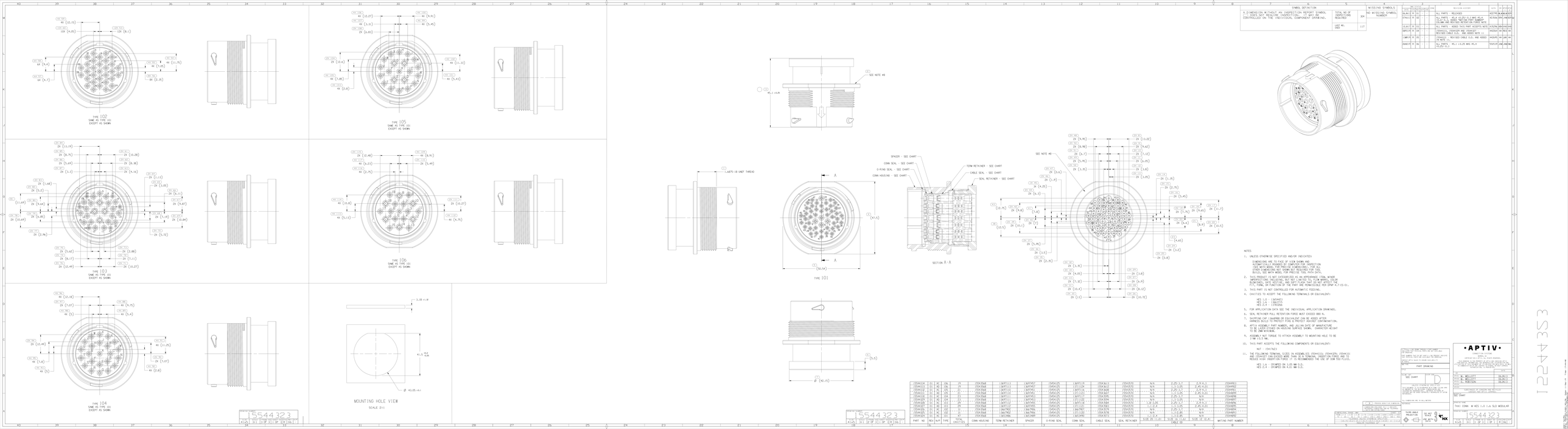
| SYMBOL DEFINITION | | NO MISSING SYMBOLS |
|---|---|---|
| A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING. | TOTAL NO OF INSPECTIONS REQUIRED: 304 | NO MISSING SYMBOLS NUMBER |
| | LOT NO. SIZE: 117 | |

| REV | MFG | ECO | DATE | DRAWN | REVISION HISTORY | APP | DR |
|---|---|---|---|---|---|---|---|
| REL | A | 01 | | | ALL PARTS - RELEASED | KEEYPO | ALBUR |
| STAGE | B | 02 | | | ALL PARTS - #5.4 +0.25/-0.1 WAS #5.4 +0.25/-0.1 ADDED TERMINAL RETAINER COLOR AND REVISED MESH ON FIXED NOTE | PZZRA | DRK |
| | | | | | | | |
| ULAUT | B | 03 | | | ALL PARTS - ADDED THIS PART ACCEPTS NOTE | PZZRA | MBA |
| INPUTS | B | 04 | | | (304412) - ADDED AN ADDITIONAL CONNECTOR SEAL PART NUMBER | PZZRA | MBA |
| LIMITS | B | 05 | | | (304412) - REVISED CABLE O.D. AND ADDED IN NOTE 11 | PZZRA | MBA |
| CHANGE | B | 06 | | | ALL PARTS - #5.1 ±0.25 WAS #5.4 +0.25/-0.1 | TZZSJY | KMJ |



NOTES

1. UNLESS OTHERWISE SPECIFIED AND/OR INDICATED:
   DIMENSIONS ARE TO FACE OF VIEW SHOWN AND MUST BE MET AND MADE CONSISTENT FOR INSPECTION. MATERIAL MUST BE MADE TO DIMENSIONS AFTER ALL STRESS TUMBLING AND STORE REQUIREMENTS FOR ALL PROCESSES HAVE BEEN COMPLETED. DO NOT ADJUST DATA.
2. THIS PRODUCT IS NOT CATEGORIZED AS AN APPEARANCE ITEM. MINOR IMPERFECTIONS INCLUDING BUT NOT LIMITED TO, FILM WRINKLE, COLOR BLEMISHES, GATE VESTIGE, AND SPOT FLASH THAT DO NOT AFFECT THE FIT, FORM, OR FUNCTION OF THE PART ARE PERMISSIBLE PER DPW-1-1-CS-01.
3. THIS PART IS NOT CONTROLLED FOR AUTOMATIC FEEDING.
4. CAVITIES TO ACCEPT THE FOLLOWING TERMINALS OR EQUIVALENT:
   HES 1.0 - 1305467;
   HES 2.4 - 1-1394462;
   HES 2.4 - 1-770246
5. FOR APPLICATION DATA SEE THE INDIVIDUAL APPLICATION DRAWINGS.
6. SEAL RETAINER PULL RETENTION FORCE MUST EXCEED 880 N.
7. SHIPPING CAP (MARPAR OR EQUIVALENT) CAN BE ADDED AFTER HARNESS BUILD TO PROTECT PINS & PROTECT AGAINST CONTAMINATION.
8. APTIV ASSEMBLY PART NUMBER, AND JULIAN DATE OF MANUFACTURE MUST BE LASER MARKED ON HOUSING SURFACE SHOWN. CHARACTER HEIGHT TO BE 3MM MINIMUM.
9. ASSEMBLY NUT TORQUE TO ATTACH ASSEMBLY TO MOUNTING HOLE TO BE 2 NM ±0.5 NM.
10. THIS PART ACCEPTS THE FOLLOWING COMPONENTS OR EQUIVALENT:
    NUT - (941767)
11. THE FOLLOWING TERMINAL SIZES IN ASSEMBLIES (1544412), (1544429), (1554412) AND (1554412) CAN EXCEED MORE THAN 20 N TERMINAL INSERTION FORCE AND TO REDUCE HIGH INSERTION FORCE IT IS RECOMMENDED THE USE OF DOW 550 PLUS.
    HES 1.0 - CRIMPED ON 1.25 MM O.D.;
    HES 2.4 - CRIMPED ON 4.00 MM O.D.

| PART NO | REV | N/P | TYPE | NOTE CAVITIES | CONN HOUSING | TERM RETAINER | SPACER | O-RING SEAL | CONN SEAL | CABLE SEAL | SEAL RETAINER | CABLE OD | | | | MATING PART NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1554412 | 01 | A0 | CRN | 19 | 1554 Pin6 | 3-970411 | 3-970407 | 1545412-25 | 3-911174 | 1554-B412 | 1554-B25 | N/A | 2.25-3.3 | 2.0-4.1 | 1554-M412 | |
| 1554412 | 01 | A0 | CRN | 19 | 1554 Pin6 | 3-970411 | 3-970407 | 1545412-25 | 3-911174 | 1554-B412 | 1554-B25 | N/A | 1.5-2.05 | 1.45-2.0 | 1554-M412 | |
| 1554412 | 01 | A0 | CRN | 21 | 1554 Pin6 | 3-970411 | 3-970407 | 1545412-25 | 3-911172 | 1554-B412 | 1554-B25 | N/A | 2.05-3.3 | 2.0-4.1 | 1554-M412 | |
| 1554412 | 01 | A0 | CRN | 21 | 1554 Pin6 | 3-970411 | 3-970407 | 1545412-25 | 3-911172 | 1554-B412 | 1554-B25 | N/A | 1.5-2.05 | 1.45-2.0 | 1554-M412 | |
| 1554412 | 01 | A0 | CRN | 21 | 1554 Pin6 | 3-970411 | 3-970407 | 1545412-25 | 3-911172 | 1554-B412 | 1554-B25 | N/A | 1.5-2.05 | N/A | 1554-M412 | |
| 1554429 | 01 | A0 | CRN | 19 | 1554 Pin6 | 3-970411 | 3-970407 | 1545429-25 | 3-911174 | 1554-B429 | 1554-B25 | N/A | 2.25-3.3 | 2.0-4.1 | 1554-M429 | |
| 1554429 | 01 | A0 | CRN | 21 | 1554 Pin6 | 3-970411 | 3-970407 | 1545429-25 | 3-911172 | 1554-B429 | 1554-B25 | N/A | 2.05-3.3 | 2.0-4.1 | 1554-M429 | |
| 1554429 | 01 | A0 | CRN | 21 | 1554 Pin6 | 3-970411 | 3-970407 | 1545429-25 | 3-911172 | 1554-B429 | 1554-B25 | N/A | 1.5-2.05 | N/A | 1554-M429 | |
| 1554412 | 01 | A0 | CRN | 37 | 1554 Pin6 | 3-970411 | 3-970407 | 1545412-25 | 3-911178 | 1554-B412 | 1554-B25 | 1.5-2.05 | 2.05-3.3 | N/A | 1554-M412 | |
| 1554412 | 01 | A0 | CRN | 37 | 1554 Pin6 | 3-970411 | 3-970407 | 1545412-25 | 3-911178 | 1554-B412 | 1554-B25 | 1.5-2.05 | 1.5-2.05 | N/A | 1554-M412 | |
| 1554429 | 01 | A0 | CRN | 37 | 1554 Pin6 | 3-970411 | 3-970407 | 1545429-25 | 3-911178 | 1554-B429 | 1554-B25 | 1.5-2.05 | 2.05-3.3 | N/A | 1554-M429 | |
| 1554429 | 01 | A0 | CRN | 37 | 1554 Pin6 | 3-970411 | 3-970407 | 1545429-25 | 3-911178 | 1554-B429 | 1554-B25 | 1.5-2.05 | 1.5-2.05 | N/A | 1554-M429 | |
| 1554412 | 01 | A0 | CRN | 41 | 1554 Pin6 | 3-953986 | 3-953987 | 1545412-25 | 3-911178 | 1554-B412 | 1554-B25 | 1.5-2.05 | 1.5-2.05 | N/A | 1554-M412 | |
| 1554412 | 01 | A0 | CRN | 41 | 1554 Pin6 | 3-953986 | 3-953987 | 1545412-25 | 3-911178 | 1554-B412 | 1554-B25 | 1.5-2.05 | 2.05-3.3 | N/A | 1554-M412 | |

| CONTACT DIMENSIONS | | | | | |
|---|---|---|---|---|---|
| | MIN | MAX | MIN | MAX | |
| MATING PIN DIA | 1.14 | 1.24 | 1.14 | 1.24 | 1.14 |
| MATING SOCKET DIA | 1.14 | 1.24 | 1.14 | 1.24 | 1.14 |
| CONTACT DIA | 1.14 | 1.24 | 1.14 | 1.24 | 1.14 |
| CONTACT LENGTH | 4.57 | 5.08 | 4.57 | 5.08 | 4.57 

# Mouser Electronics

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