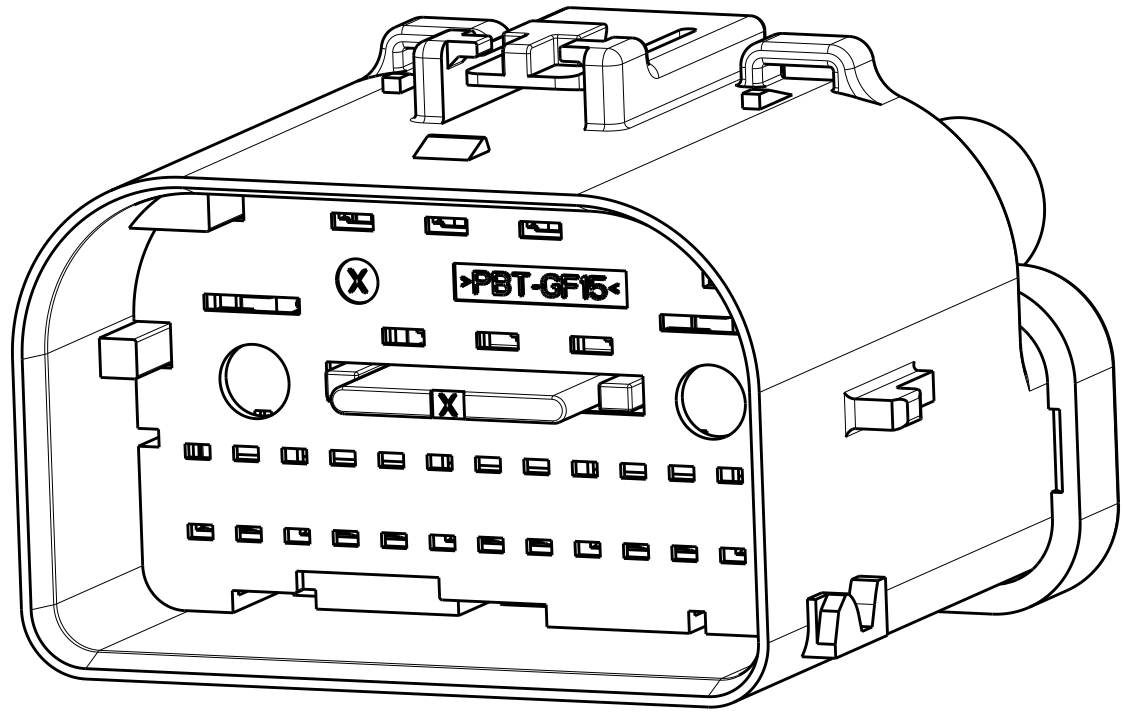
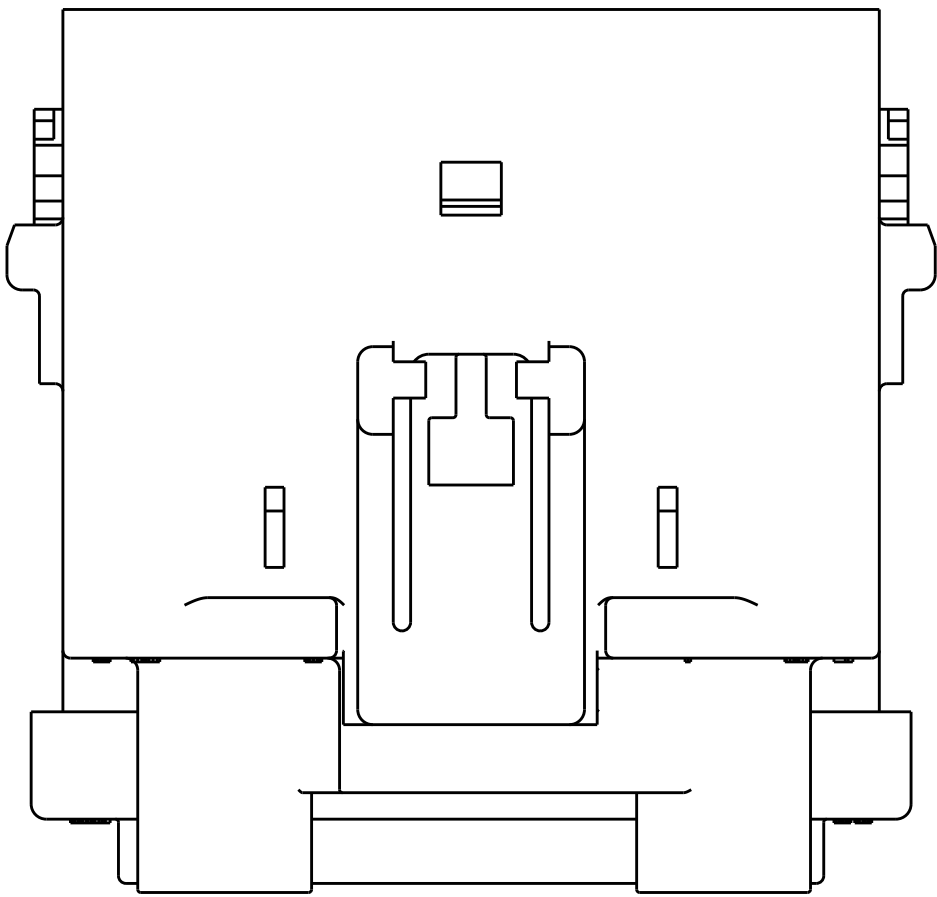
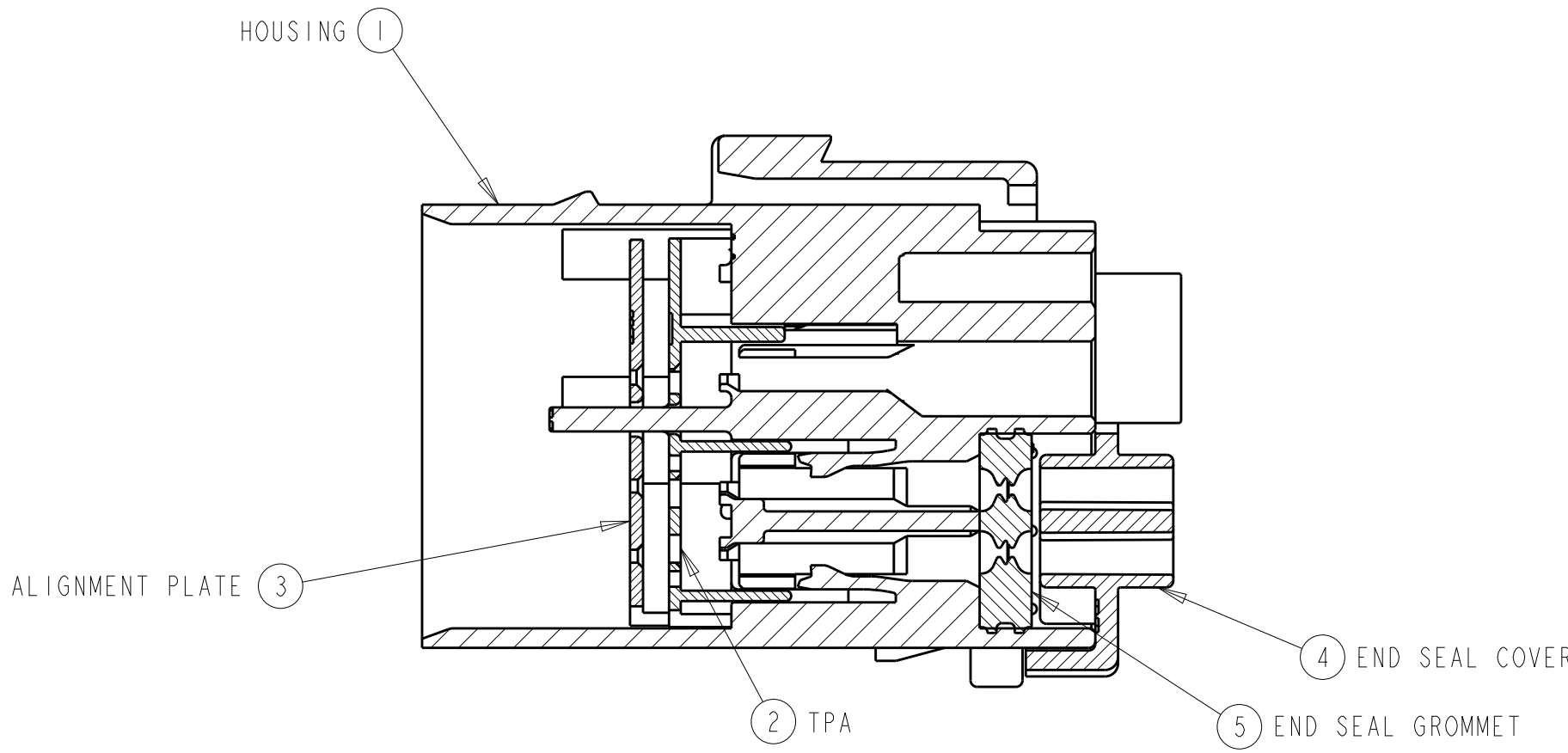


| REVISIONS |     |                           |           |     |
|-----------|-----|---------------------------|-----------|-----|
| P         | LTN | DESCRIPTION               | DATE      | OWN |
| A29       |     | REVISED PER ECO-15-016249 | 18NOV2015 | DD  |
| A30       |     | REVISED PER ECO-16-006036 | 21APR2016 | DD  |
|           |     |                           |           |     |
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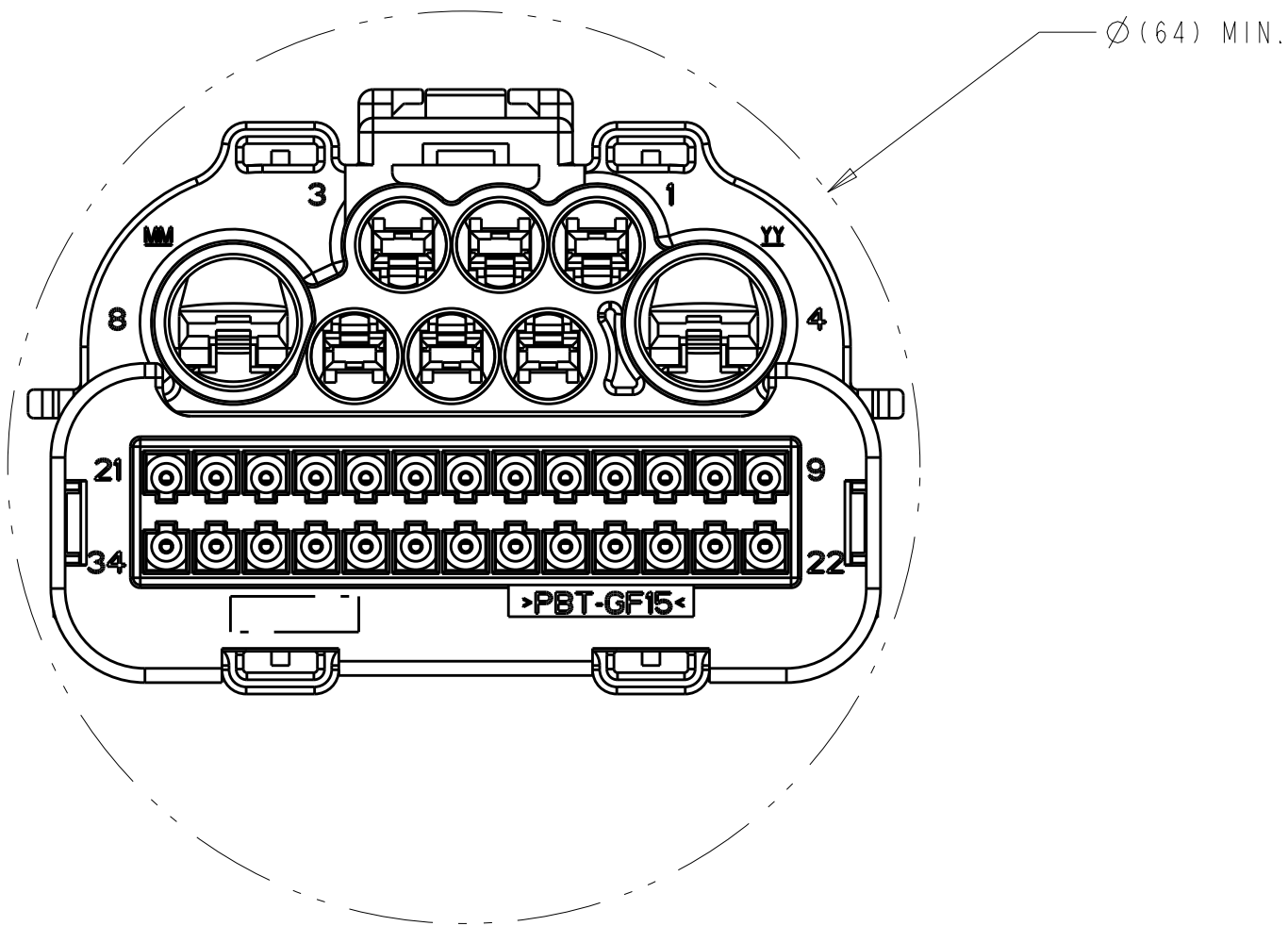
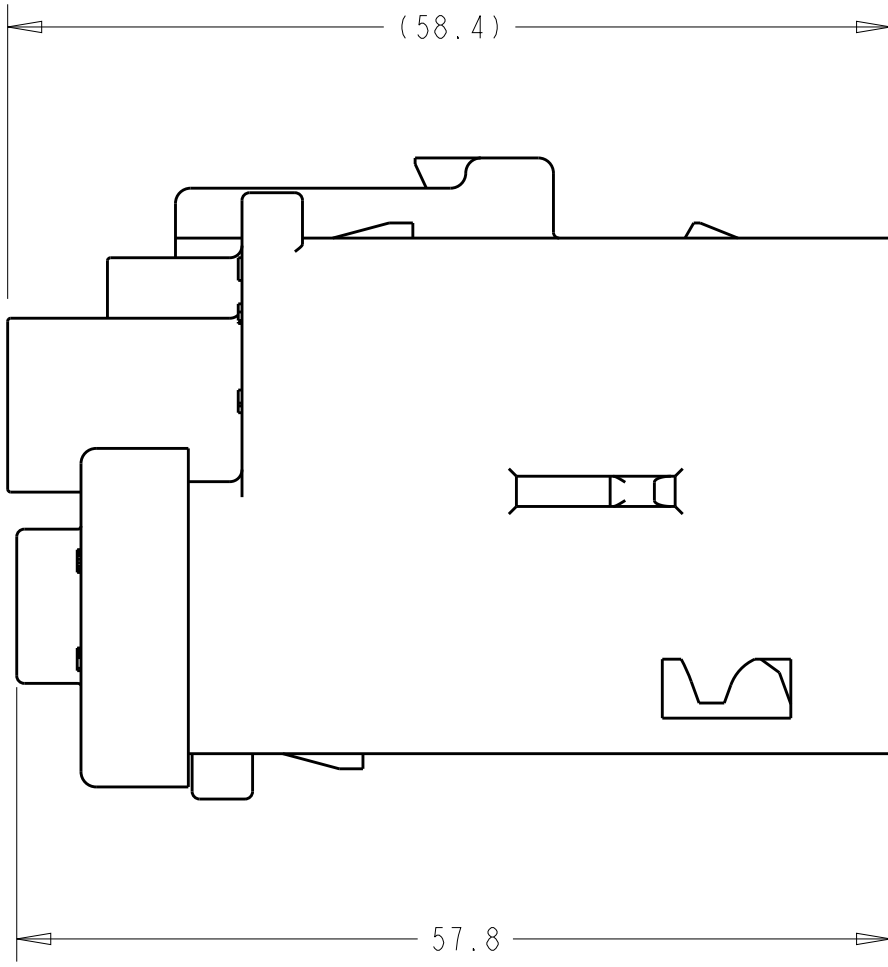
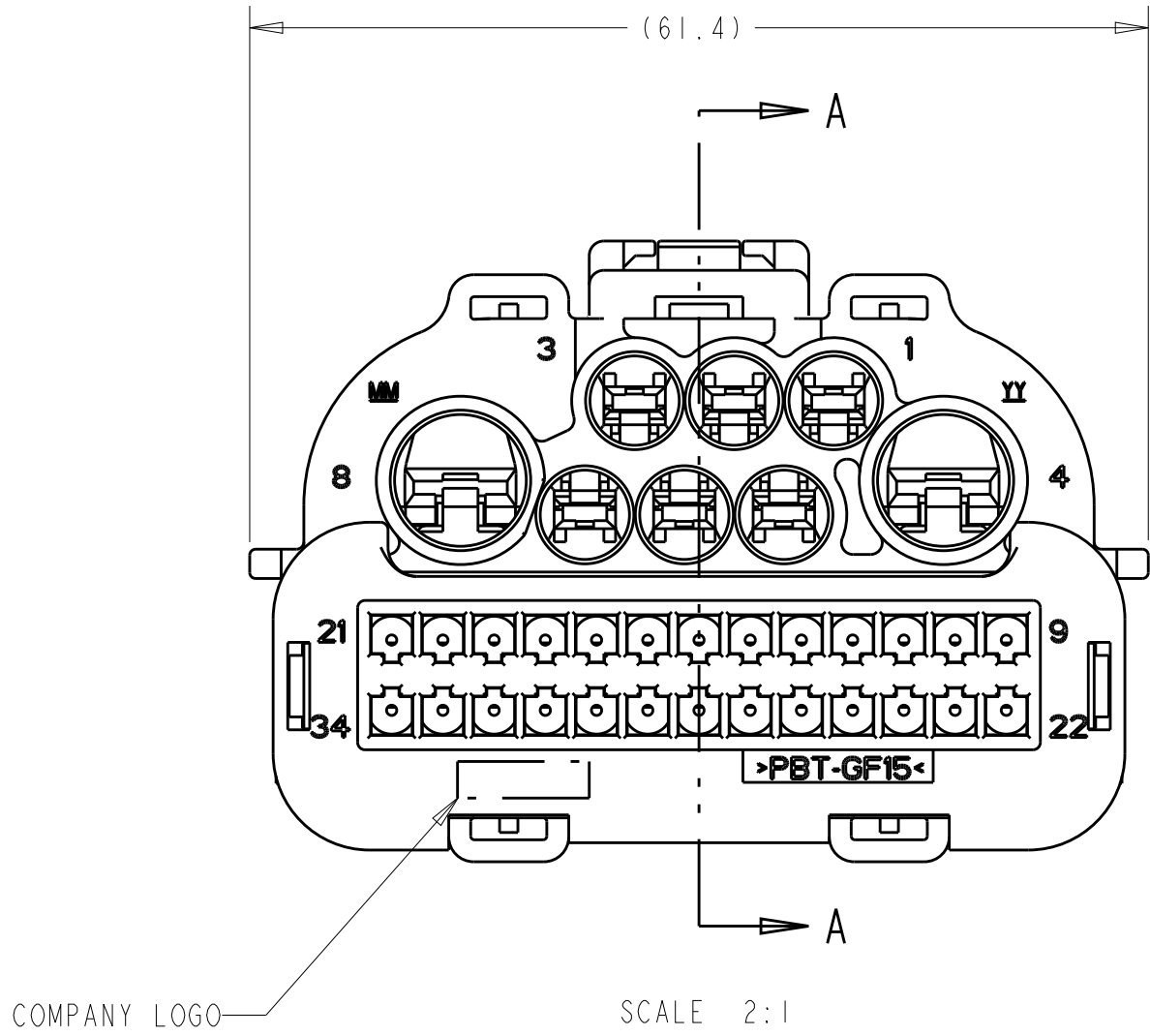
| LIST OF PARTS |         |         |      |                            |          |                      |                        |
|---------------|---------|---------|------|----------------------------|----------|----------------------|------------------------|
| QTY. REQUIRED |         |         | ITEM | DESCRIPTION                | COLOR    | SUPPLIER PART NUMBER | MATERIAL SPECIFICATION |
| INDEX C       | INDEX B | INDEX A |      |                            |          |                      |                        |
| -             | -       | I       | 1    | HOUSING, KEYING OPTION "A" | BLACK    | 0-1587054-1          | 30% GF PBT             |
| -             | I       | -       |      | HOUSING, KEYING OPTION "B" | GRAY     | 0-1587054-2          | 30% GF PBT             |
| I             | -       | -       |      | HOUSING, KEYING OPTION "C" | NATURAL  | 0-1587054-3          | 30% GF PBT             |
| I             | I       | I       | 2    | TPA                        | RED      | 0-1587055-1          | 15% GF PBT             |
| I             | I       | I       | 3    | ALIGNMENT PLATE            | NATURAL  | 0-1587056-1          | 15% GF PBT             |
| I             | I       | I       | 4    | END SEAL COVER             | BLACK    | 0-1587057-1          | 15% GF PBT             |
| I             | I       | I       | 5    | END SEAL GROMMET           | LT GREEN | 0-1587058-1          | SILICON                |



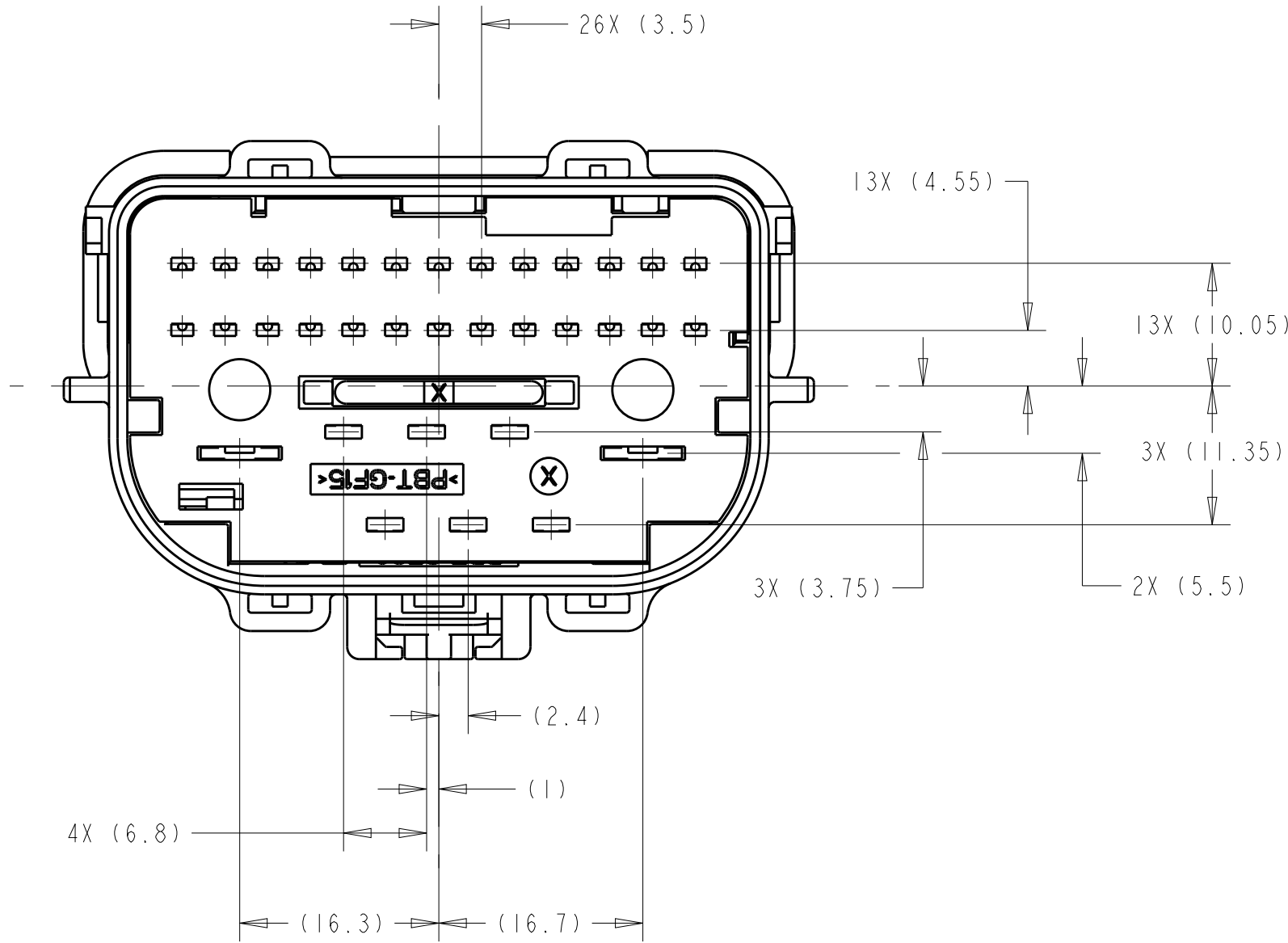
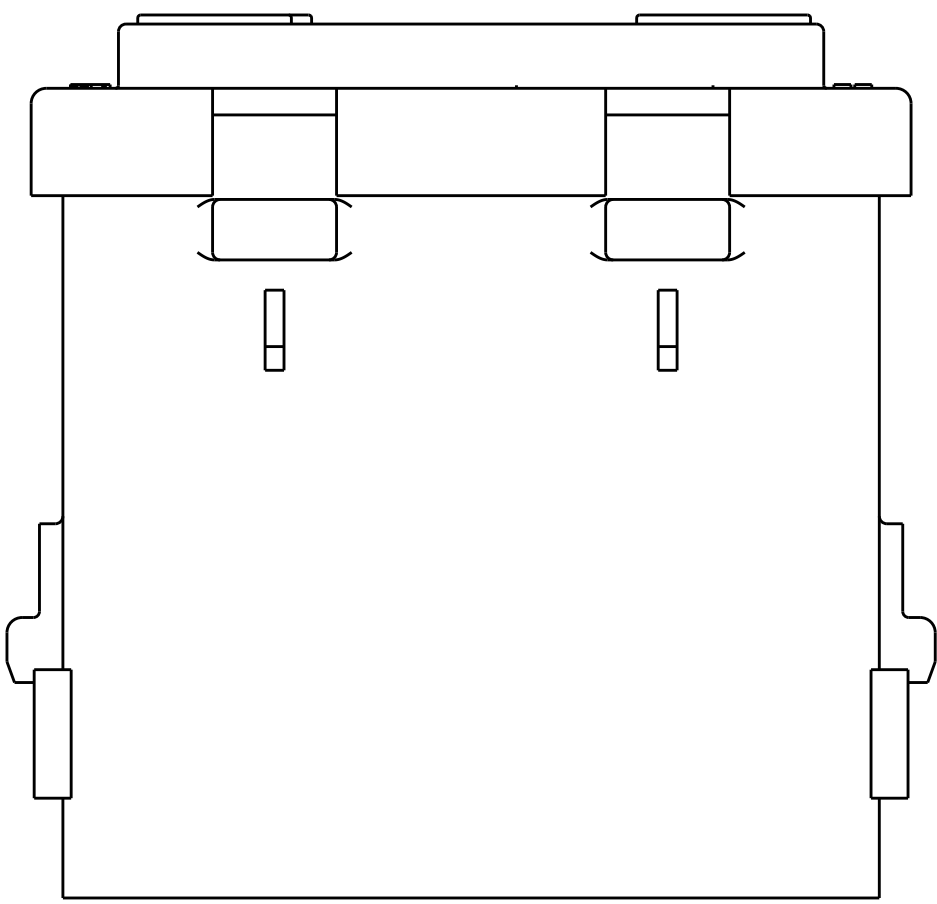
- PART MUST CONFORM TO THE USCAR-2 SPECIFICATION, DATED 07/DEC/00 (REVISION 3).
  - 0.2mm MAXIMUM RADIUS PERMISSIBLE ON EDGES AND FILLETS SHOWN AS SHARP FOR PLASTIC PARTS.
  - PRODUCTION DATE CODE AND PINOUT CODE MUST BE LEGIBLE AND PERMANENTLY APPLIED WHEREVER PACKAGE SIZE PERMITS OR OTHER AGREEMENTS ARE MADE.
  - MATES WITH ASSEMBLY SHOWN ON DRAWING 1438841.
- SEE TE INSTRUCTION SHEET 408-8911 FOR PROPER POSITIONING OF TPA AND TE INSTRUCTION SHEET 408-8832 FOR APPLICATION USE OF CONNECTOR SYSTEM.
- TERMINAL CAVITIES 9-34 ARE RESTRICTED TO WIRE OD RANGE OF 1.20-2.34mm.



SECTION A-A  
TPA AND ALIGNMENT PLATE  
IN PRE-SEATED POSITION



MIN. FEED THRU CONDITION  
WITH 1mm CLEARANCE ALL AROUND  
SCALE 2:1



| APPLICABLE COMPONENTS (FOR REFERENCE ONLY) |                   |          |                         | APPLICABLE WIRE SIZES<br>(FOR REFERENCE ONLY) | COMPONENT<br>MATING PART NUMBER |
|--------------------------------------------|-------------------|----------|-------------------------|-----------------------------------------------|---------------------------------|
| DESCRIPTION                                | COLOR/<br>PLATING | SUPPLIER | SUPPLIER<br>PART NUMBER |                                               |                                 |
| TERMINAL - MALE<br>1.5mm                   | TIN               | MOLEX    | 33000-0002              | 16 AWG<br>18-20 AWG<br>OR METRIC EQUIVALENT   | 33012-2001<br>33012-2002        |
| TERMINAL - MALE<br>1.5mm                   | TIN               | MOLEX    | 33000-0003              | 22 AWG<br>OR METRIC EQUIVALENT                | 33012-2003                      |
| TERMINAL - MALE<br>2.8mm                   | TIN               | TE       | 1326031-2               | 20 AWG<br>OR METRIC EQUIVALENT                | 1326032-2                       |
| TERMINAL - MALE<br>2.8mm                   | TIN               | TE       | 1326031-3               | 18 AWG<br>OR METRIC EQUIVALENT                | 1326032-3                       |
| TERMINAL - MALE<br>2.8mm                   | TIN               | TE       | 1326031-4               | 16 AWG<br>OR METRIC EQUIVALENT                | 1326032-4                       |
| TERMINAL - MALE<br>2.8mm                   | TIN               | TE       | 1326031-5               | 14 AWG<br>OR METRIC EQUIVALENT                | 1326032-5                       |
| TERMINAL - MALE<br>2.8mm                   | TIN               | TE       | 1-1326031-1             | 12 AWG<br>OR METRIC EQUIVALENT                | 1326032-6                       |
| CABLE SEAL - 2.8mm                         | GREEN             | YAZAKI   | 7158-3111-60            | 1.2-1.9mm WIRE O.D.                           | N/A                             |
| CABLE SEAL - 2.8mm                         | YELLOW            | YAZAKI   | 7158-3112-70            | 1.8-2.3mm WIRE O.D.                           | N/A                             |
| CABLE SEAL - 2.8mm                         | WHITE             | YAZAKI   | 7158-3113-40            | 2.1-3.0mm WIRE O.D.                           | N/A                             |
| CABLE SEAL - 2.8mm                         | LT GRAY           | YAZAKI   | 7158-3110-40            | 3.1-3.3mm WIRE O.D.                           | N/A                             |
| TERMINAL - MALE<br>6.3mm                   | TIN               | YAZAKI   | 7114-4140-02            | 20-16 AWG<br>OR METRIC EQUIVALENT             | 7116-4140-02                    |
| TERMINAL - MALE<br>6.3mm                   | TIN               | YAZAKI   | 7114-4141-02            | 14 AWG<br>OR METRIC EQUIVALENT                | 7116-4141-02                    |
| TERMINAL - MALE<br>6.3mm                   | TIN               | YAZAKI   | 7114-4142-02            | 12 AWG<br>OR METRIC EQUIVALENT                | 7116-4142-02                    |
| TERMINAL - MALE<br>6.3mm                   | TIN               | YAZAKI   | 7114-4143-02            | 10 AWG<br>OR METRIC EQUIVALENT                | 7116-4143-02                    |
| CABLE SEAL - 6.3mm                         | RED               | YAZAKI   | 7158-3081-50            | 1.4-2.3mm WIRE O.D.                           | N/A                             |
| CABLE SEAL - 6.3mm                         | BLUE              | YAZAKI   | 7158-3082-90            | 2.1-3.0mm WIRE O.D.                           | N/A                             |
| CABLE SEAL - 6.3mm                         | BLACK             | YAZAKI   | 7158-3083               | 3.0-3.8mm WIRE O.D.                           | N/A                             |
| CABLE SEAL - 6.3mm                         | LT GRAY           | YAZAKI   | 7158-3084-40            | 3.8-4.05mm WIRE O.D.                          | N/A                             |
| CAVITY PLUG - 2.8mm                        | BLUE              | YAZAKI   | 7158-3114-90            | N/A                                           | N/A                             |
| CAVITY PLUG - 6.3mm                        | GREEN             | YAZAKI   | 7158-3080-60            | N/A                                           | N/A                             |

NOTE: SEE SUPPLIER DRAWINGS FOR LATEST INFORMATION AND CRIMP SPECIFICATIONS.







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| NOTE: DRAWING IS UNPUBLISHED. |  | RELEASED FOR PUBLICATION |  | BY : |  | ALL RIGHTS RESERVED |  |   |  |   |  |   |  |   |  |
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