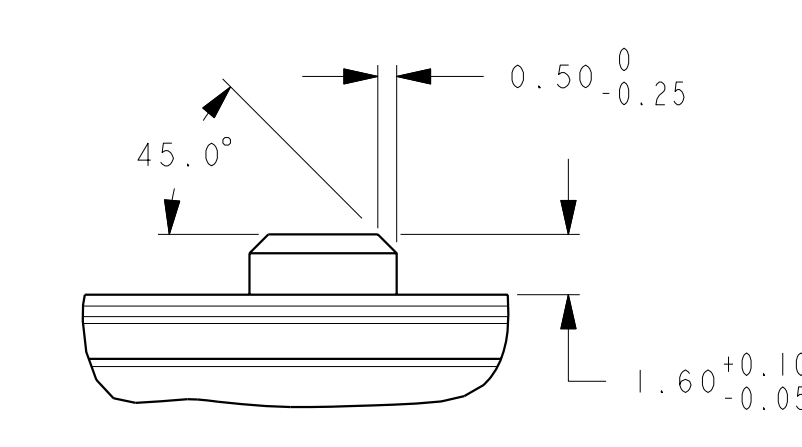
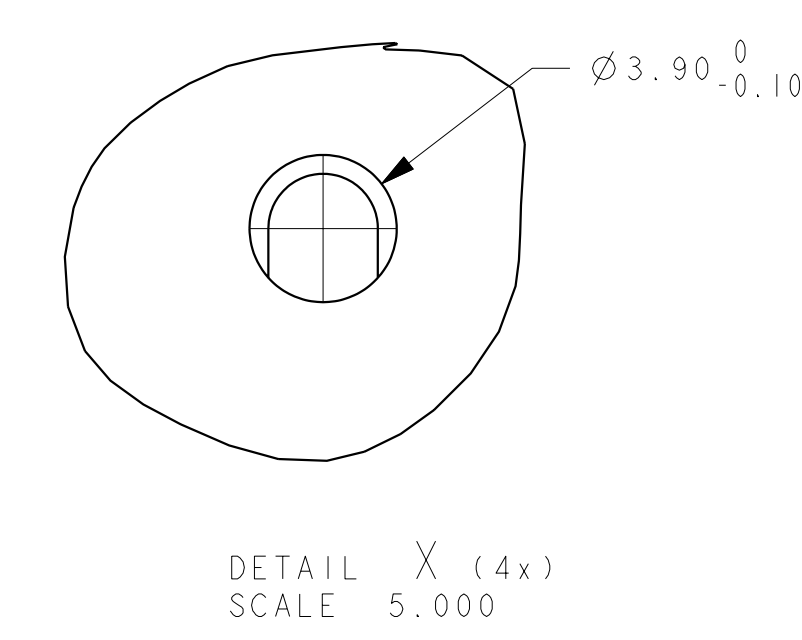
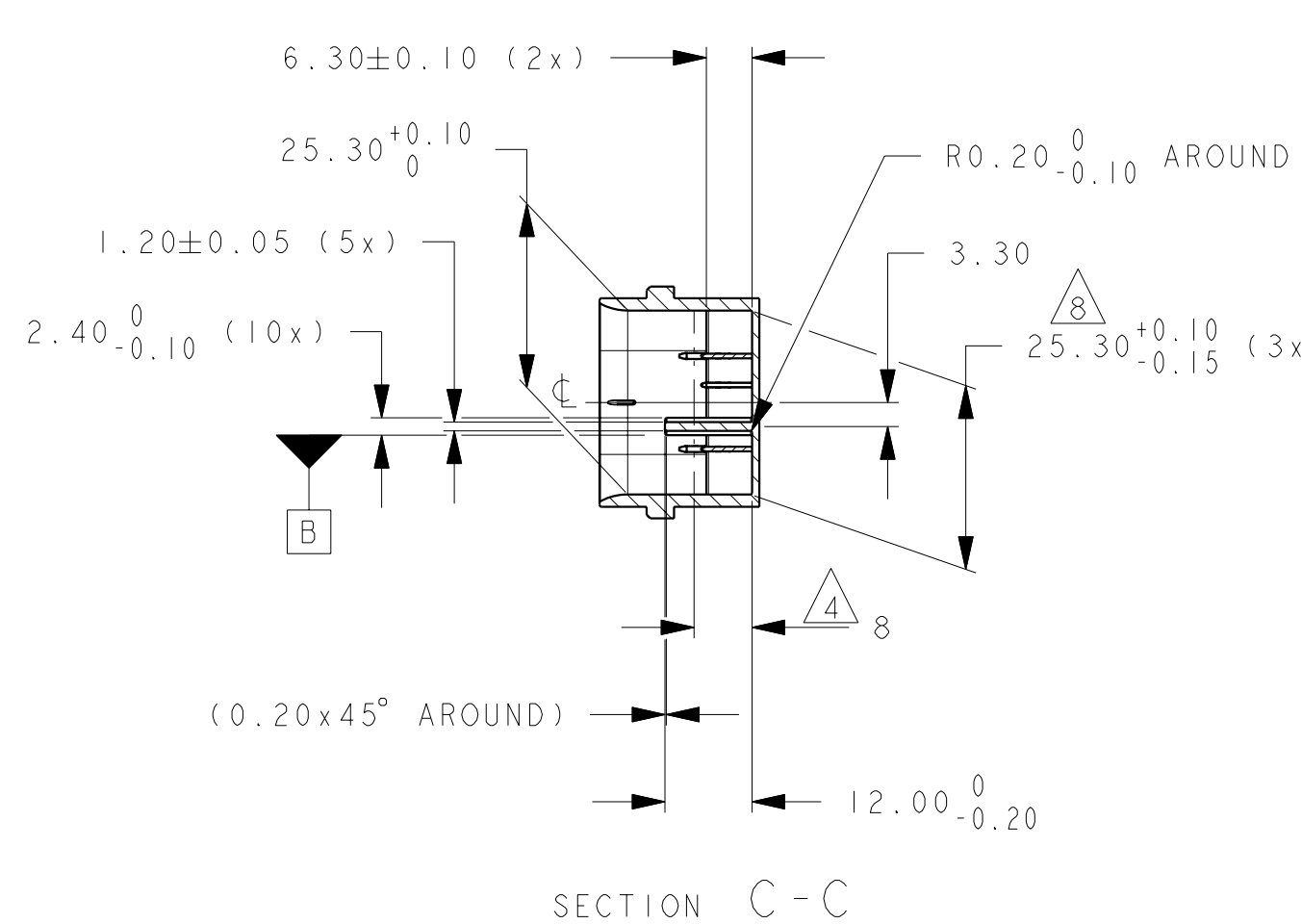
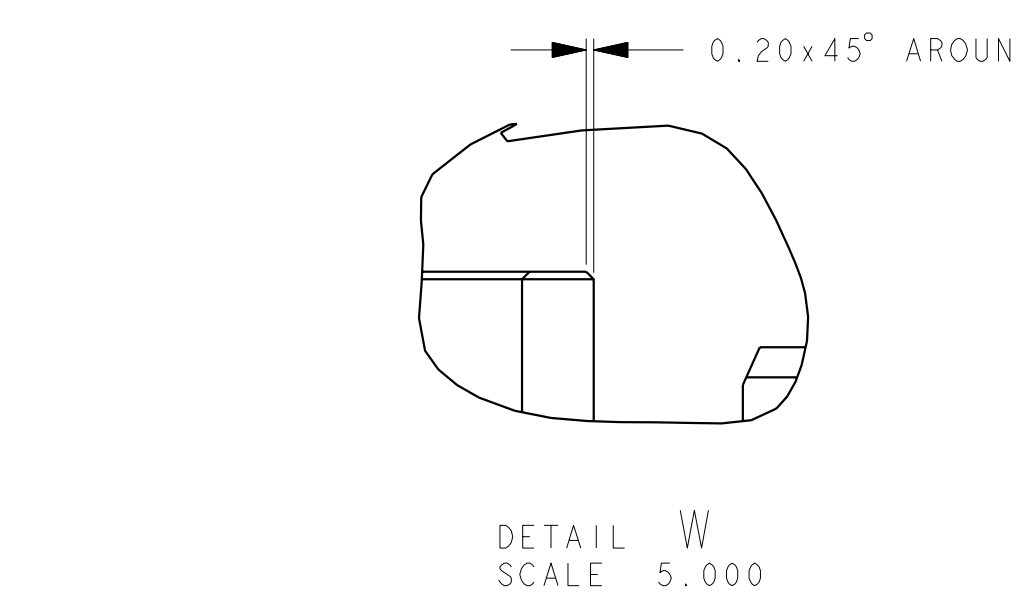
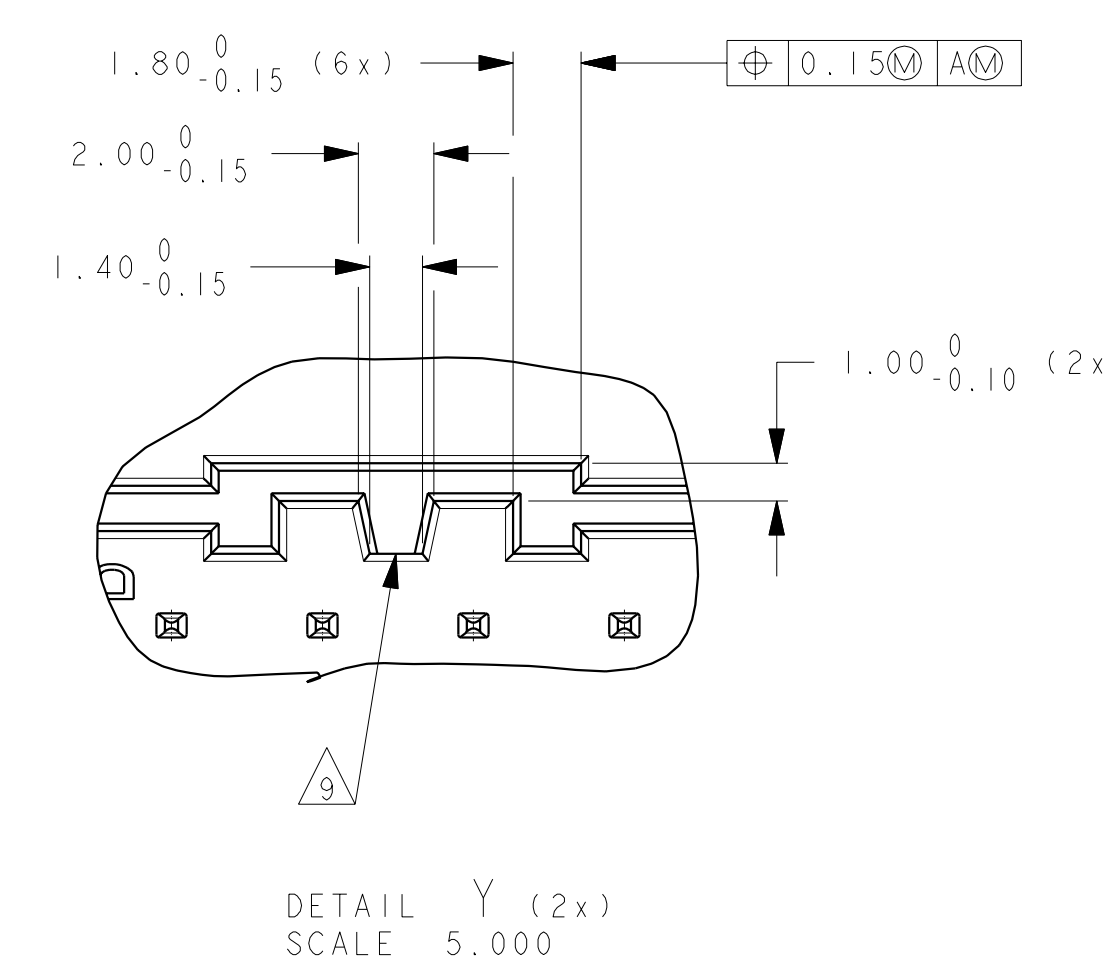
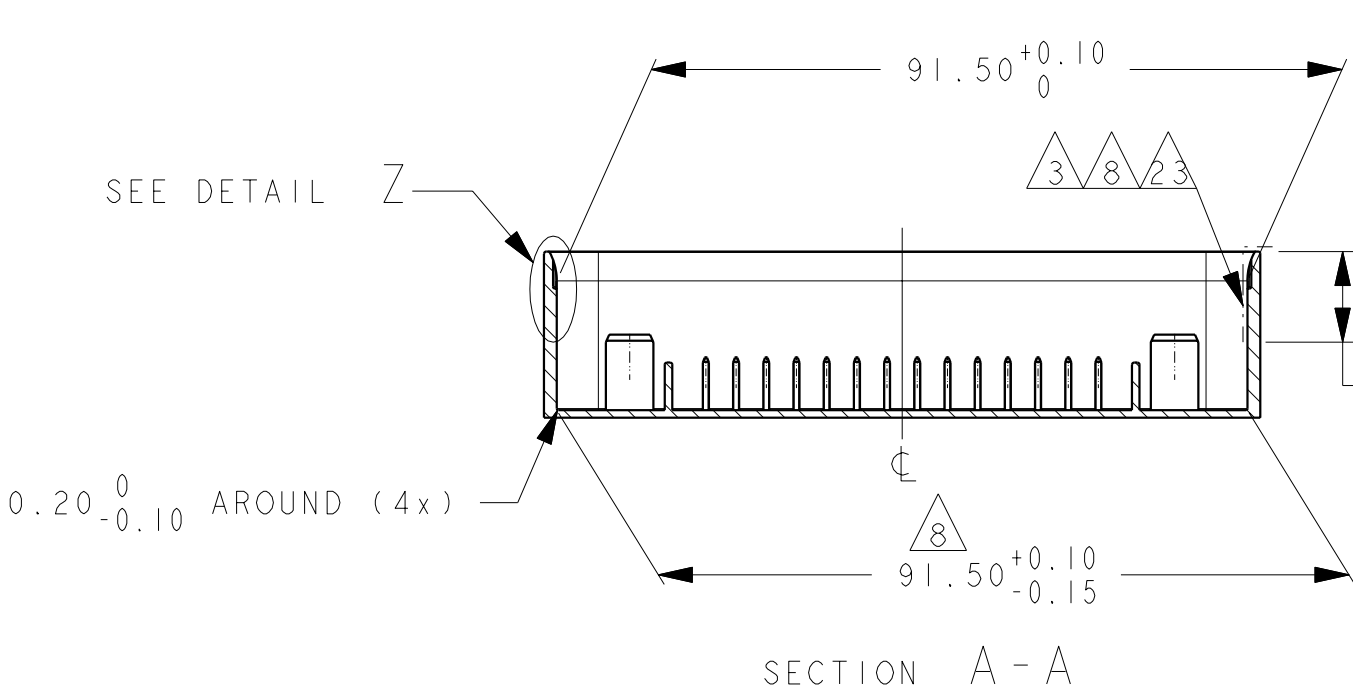
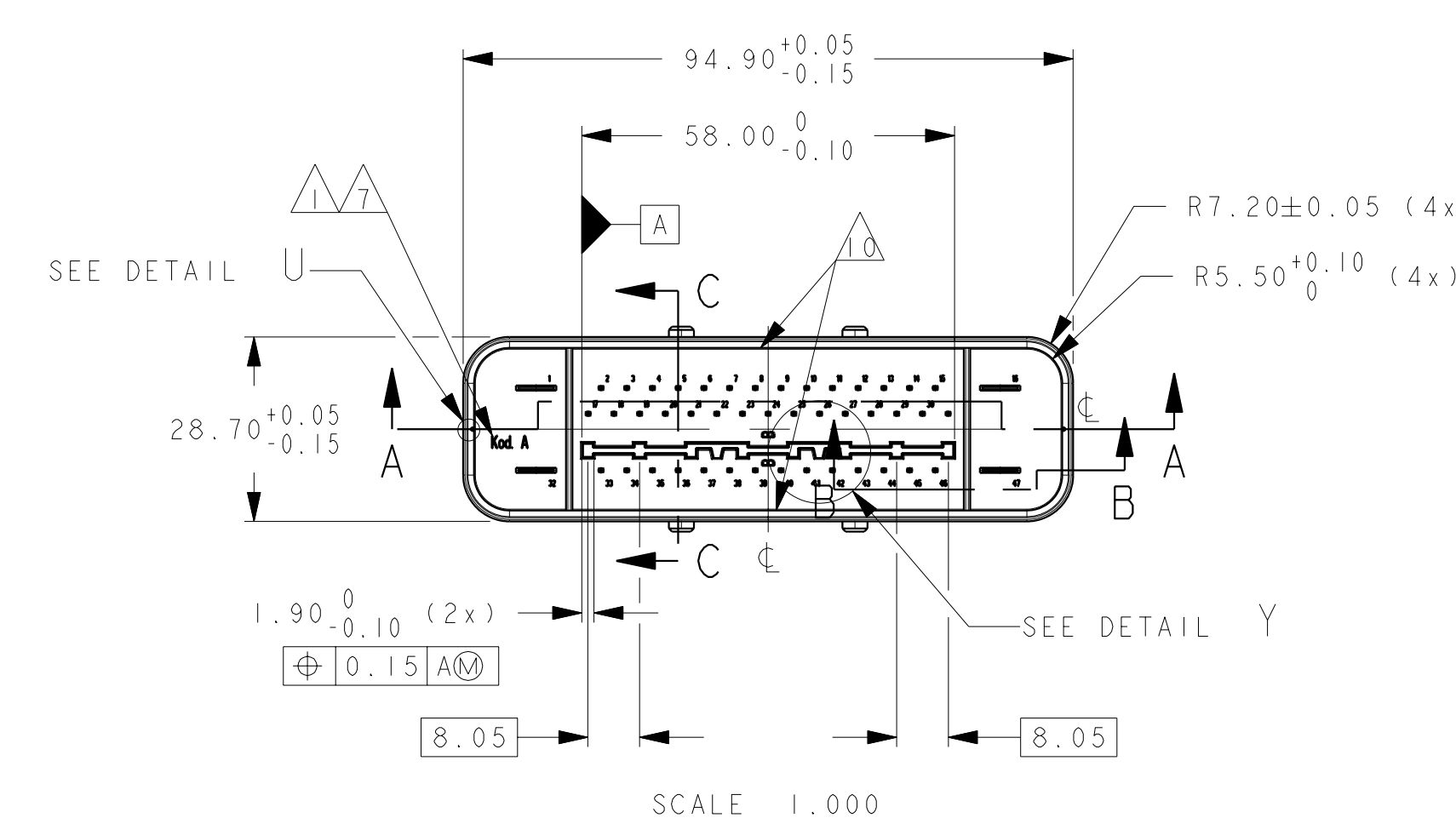
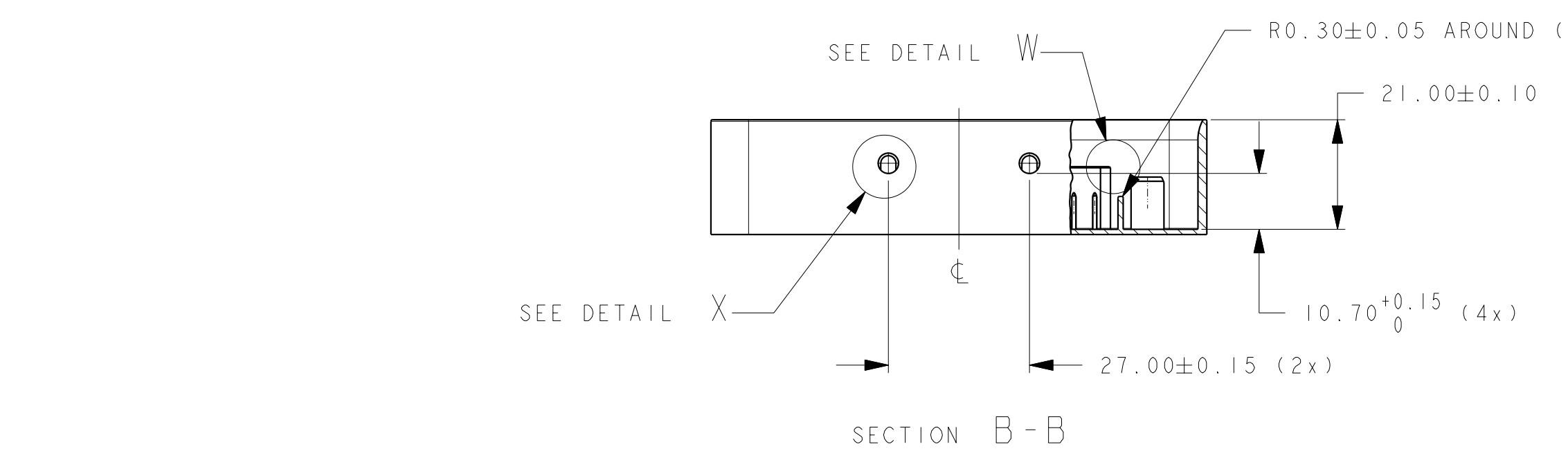
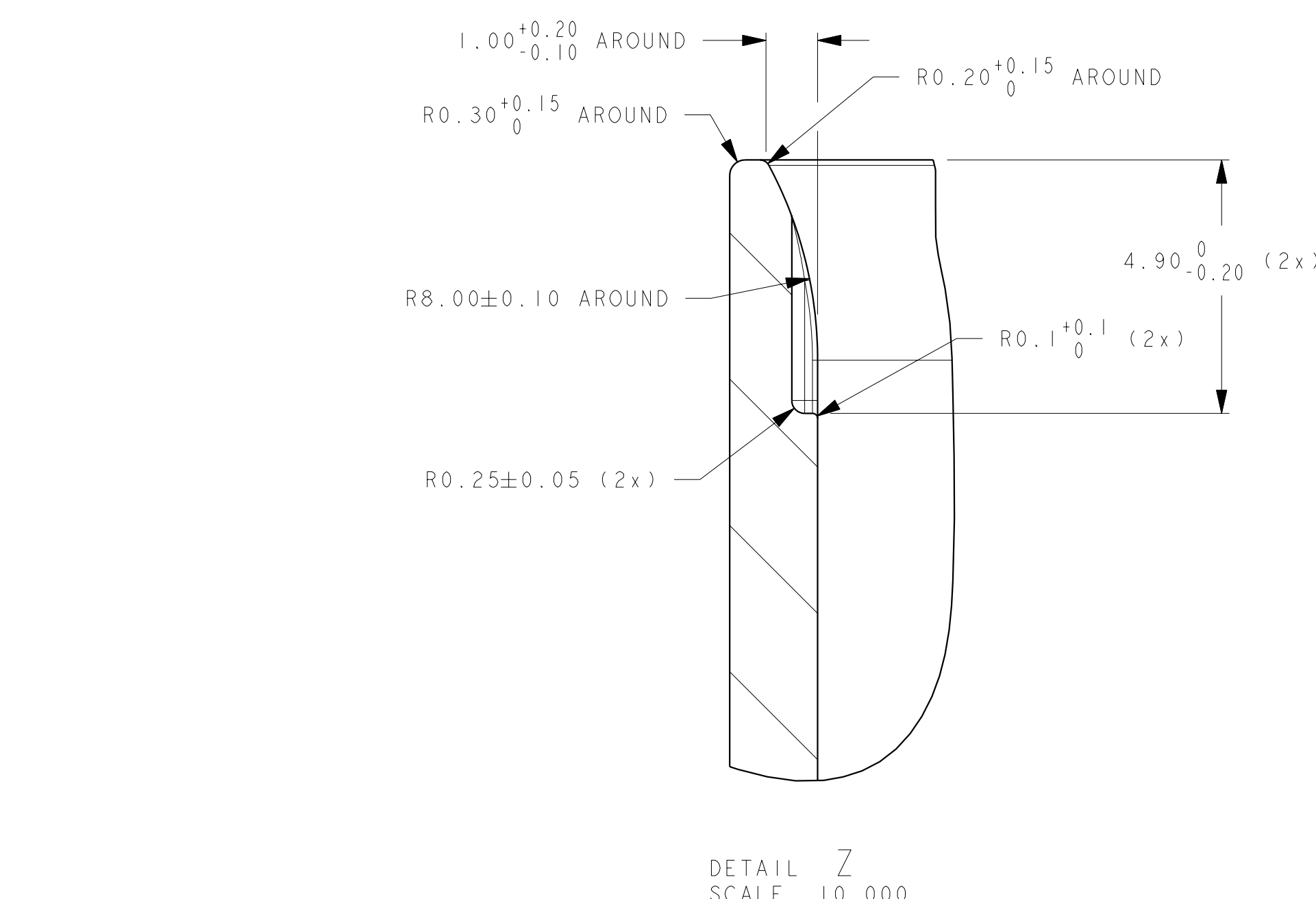
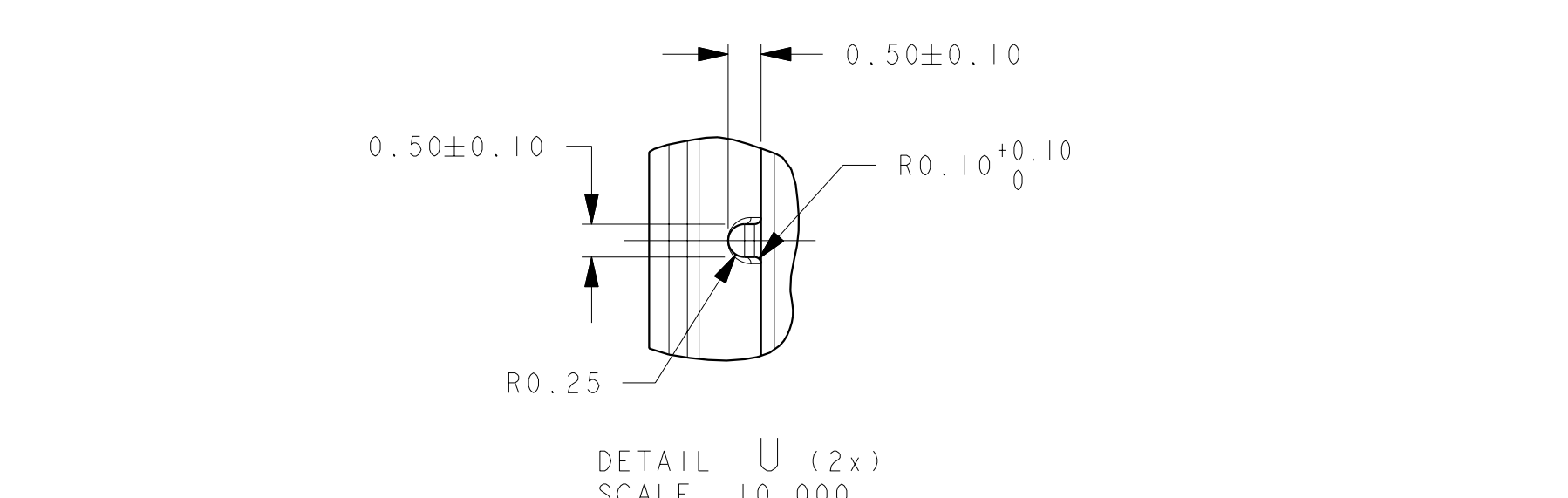
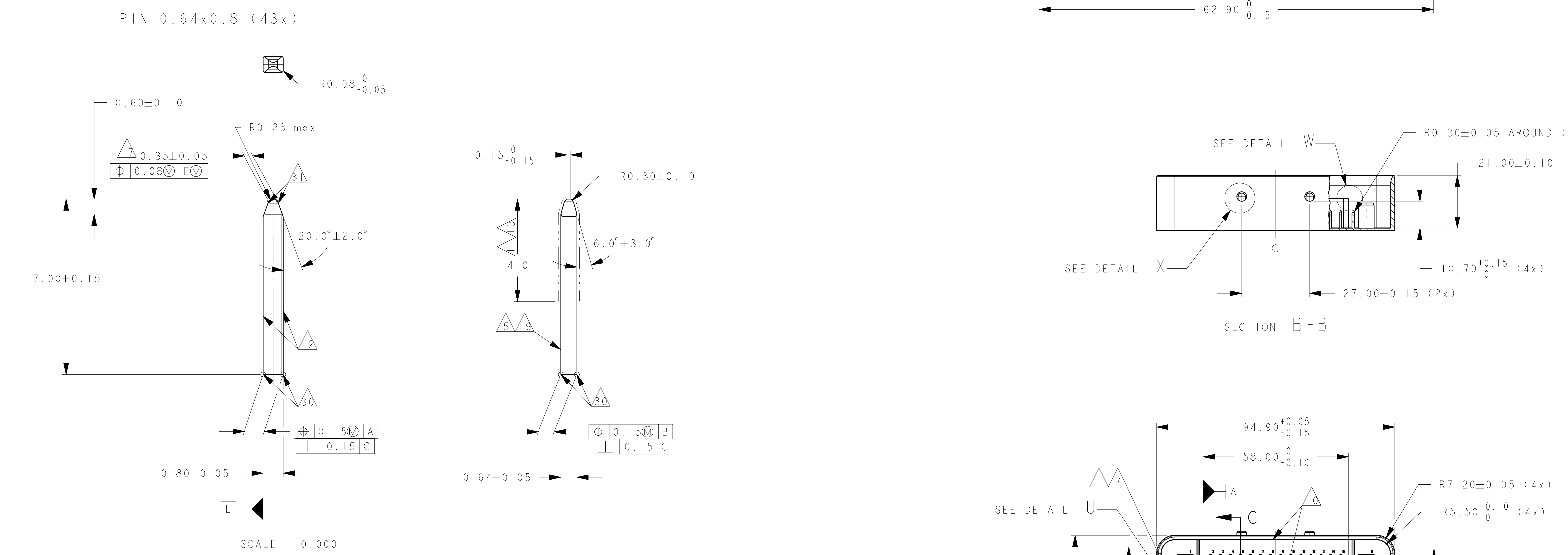
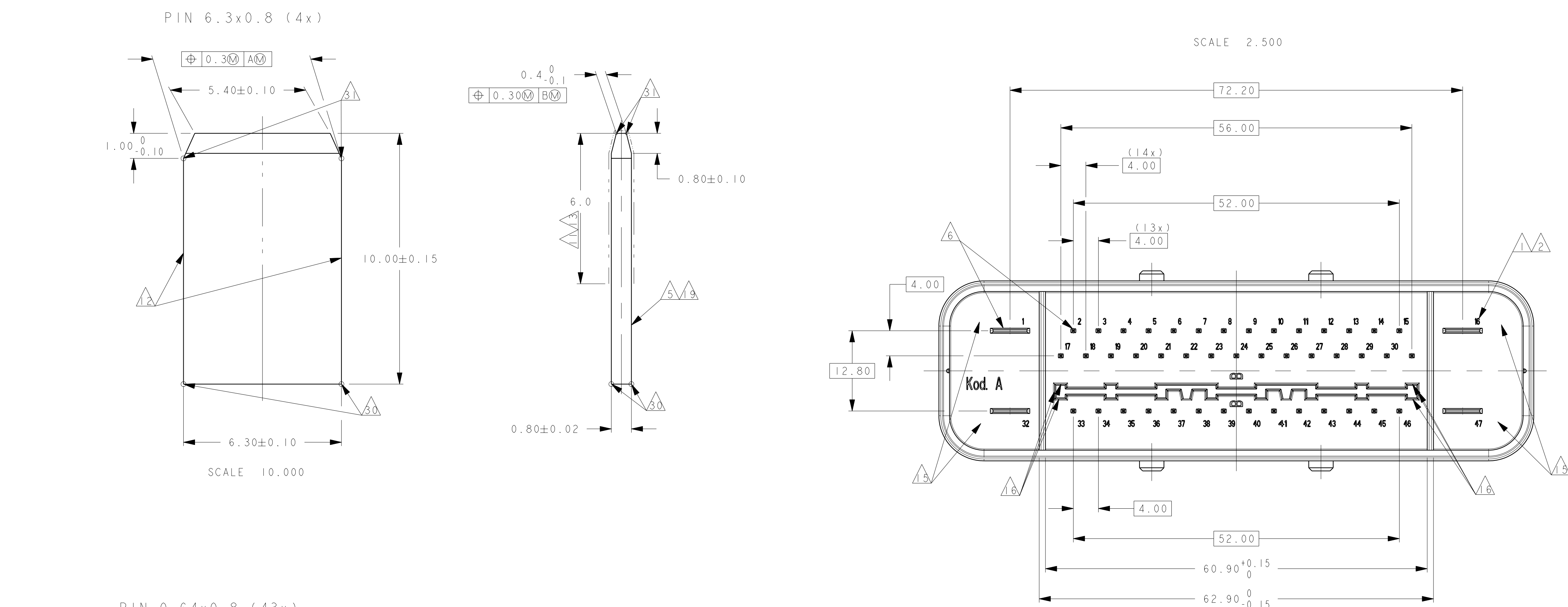
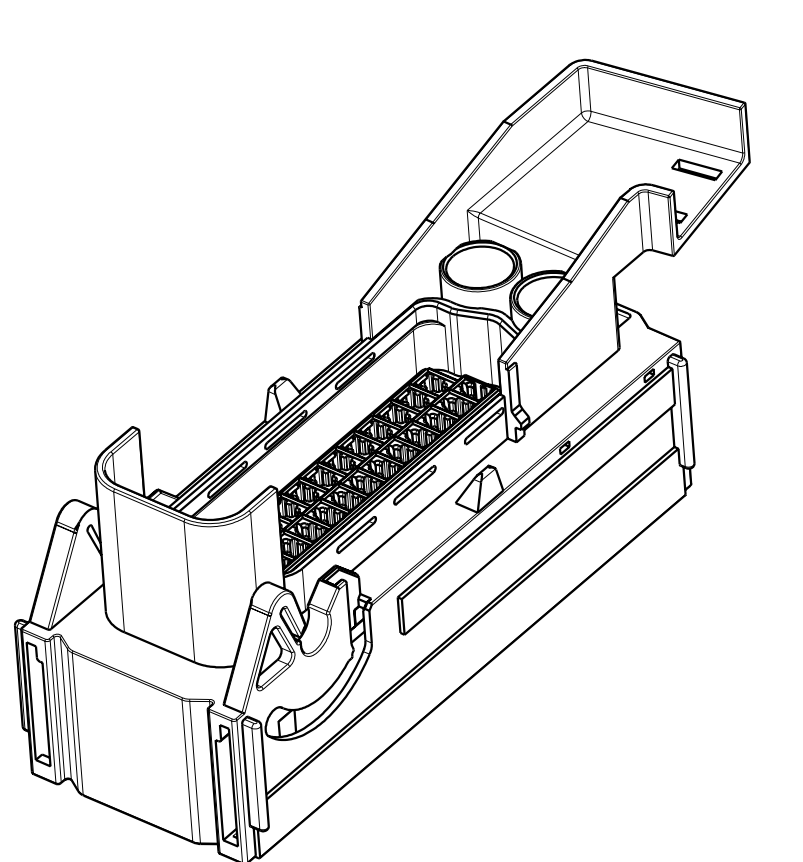
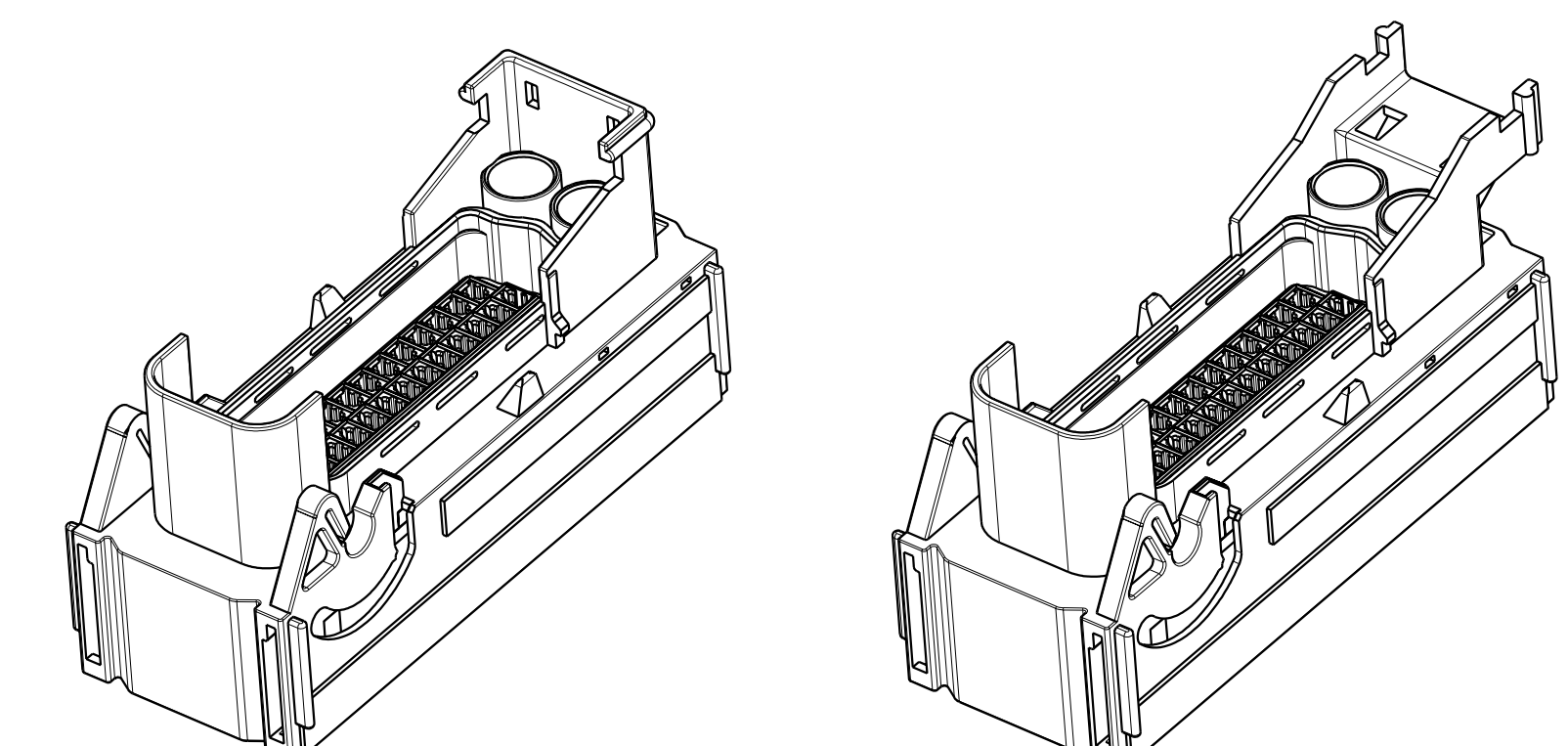
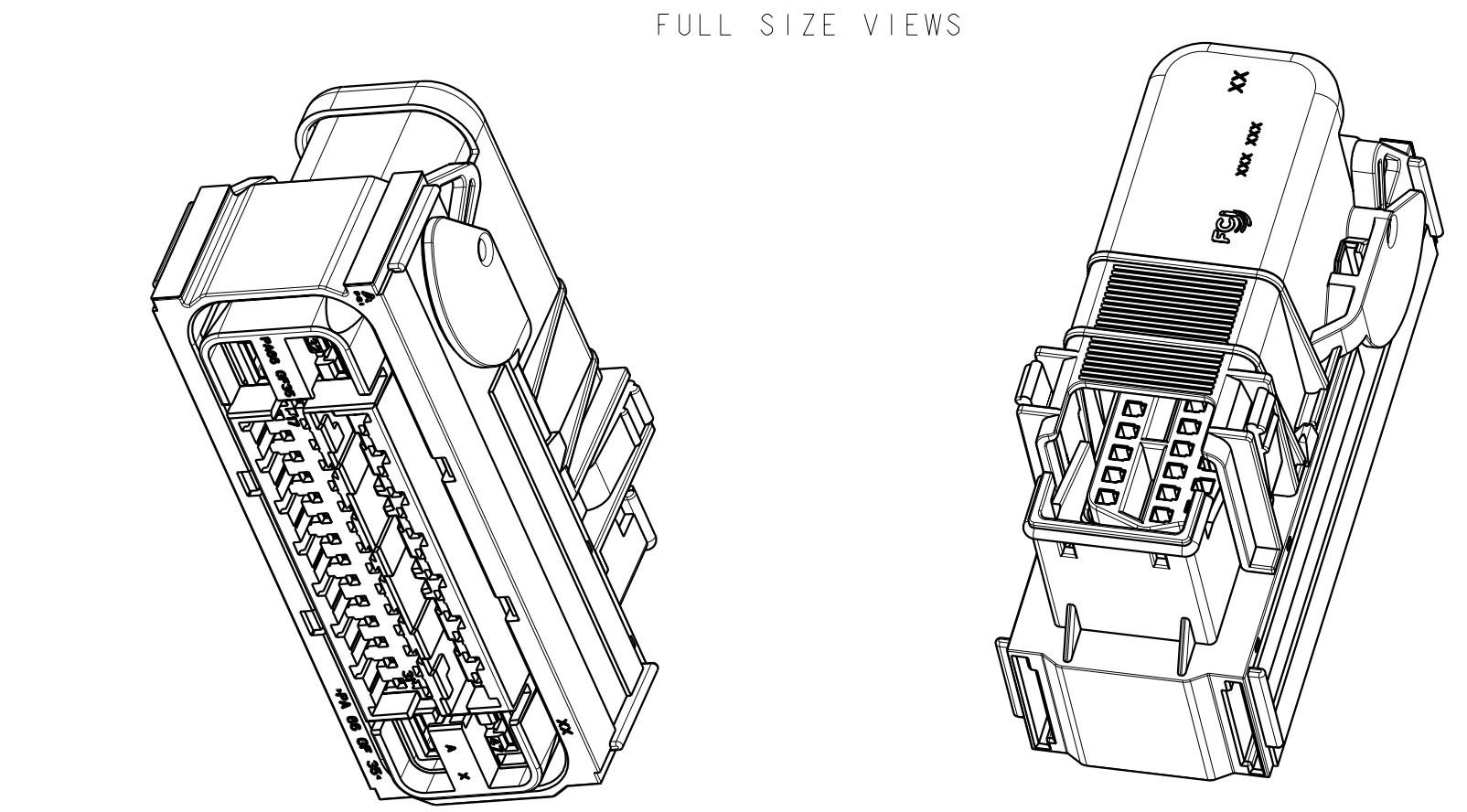
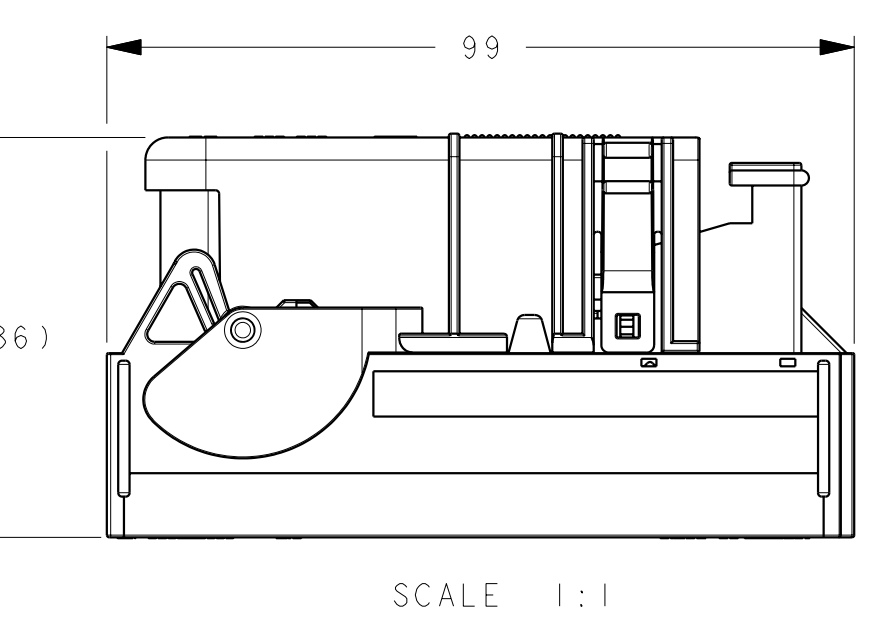
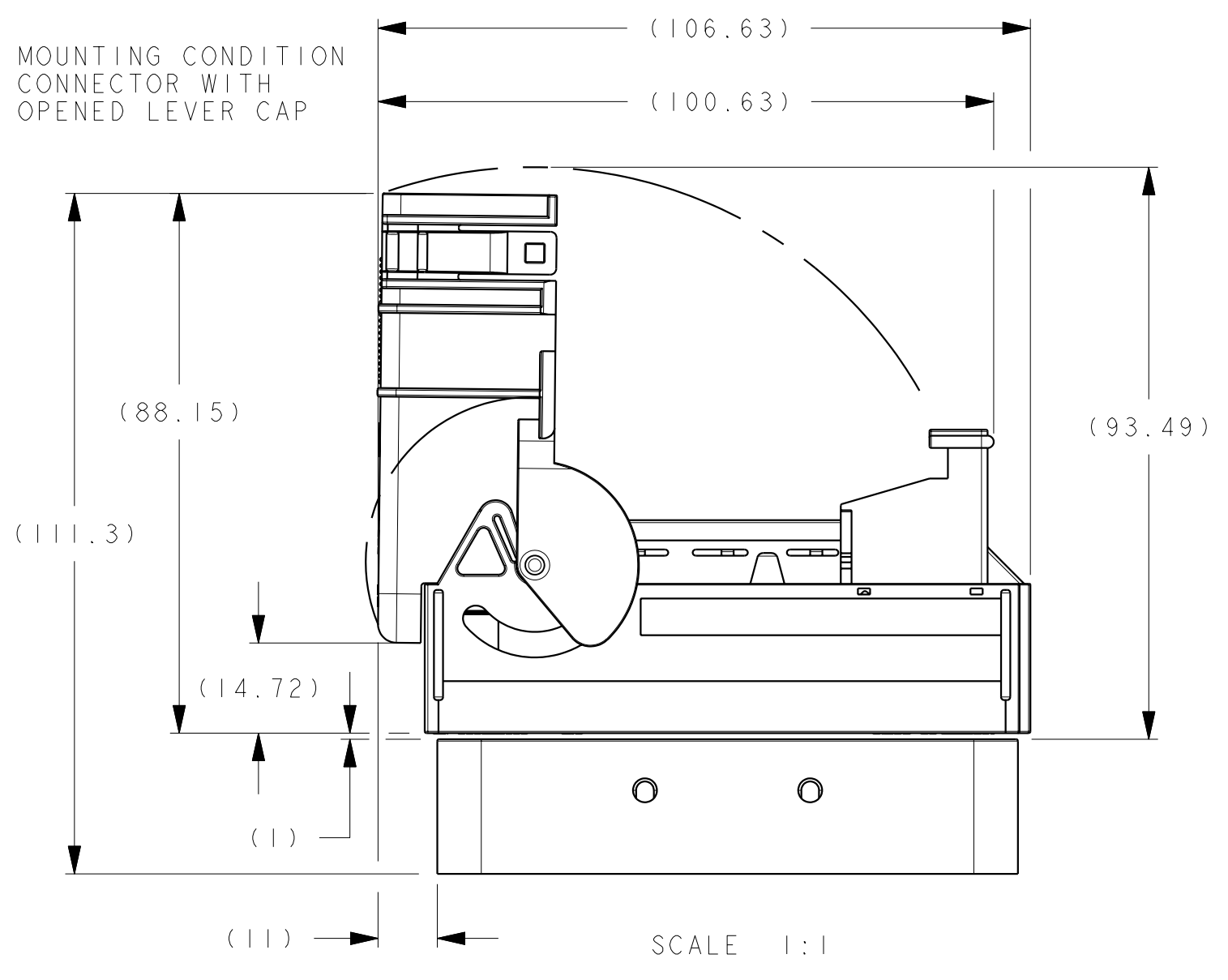
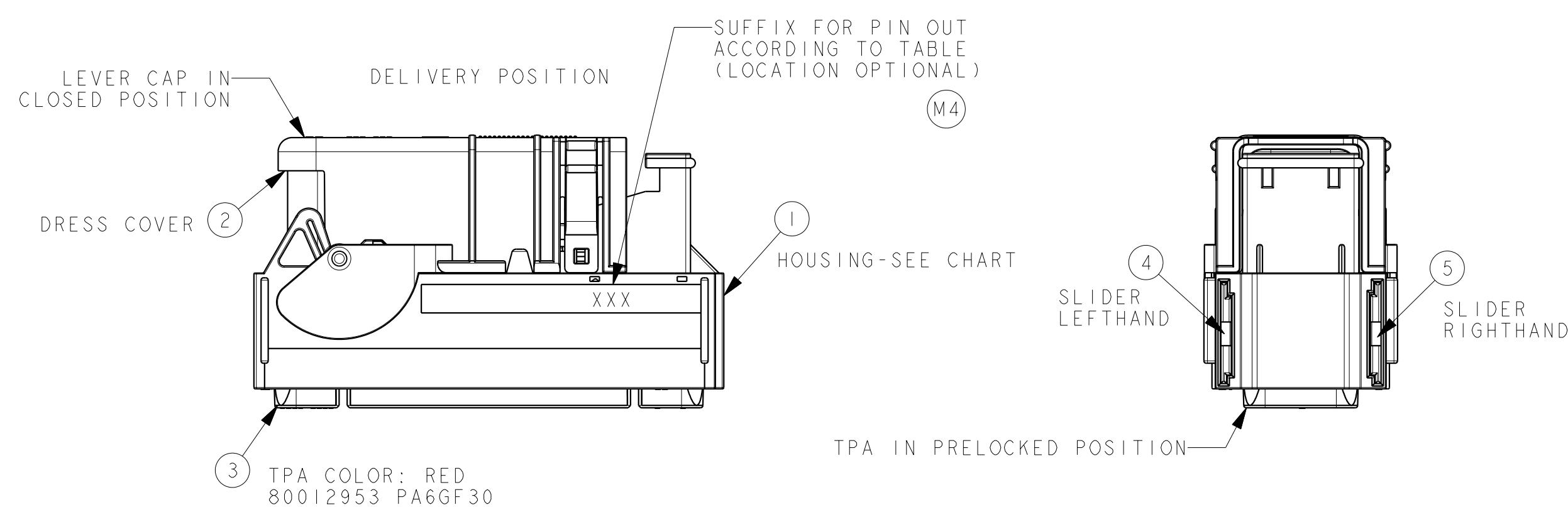
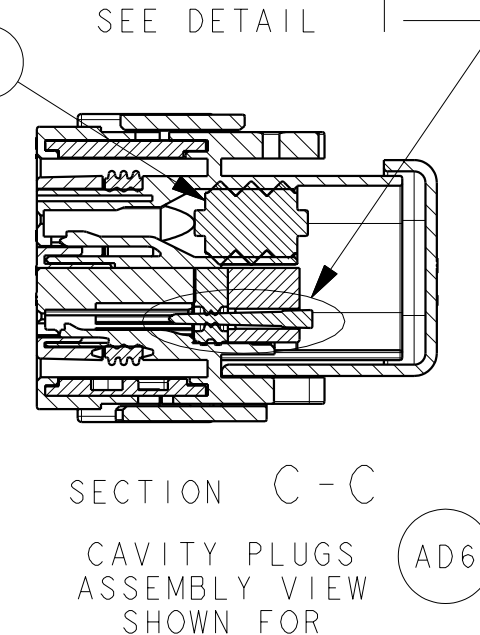
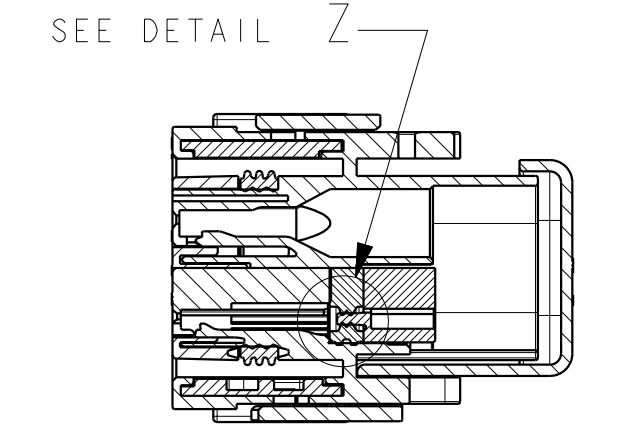
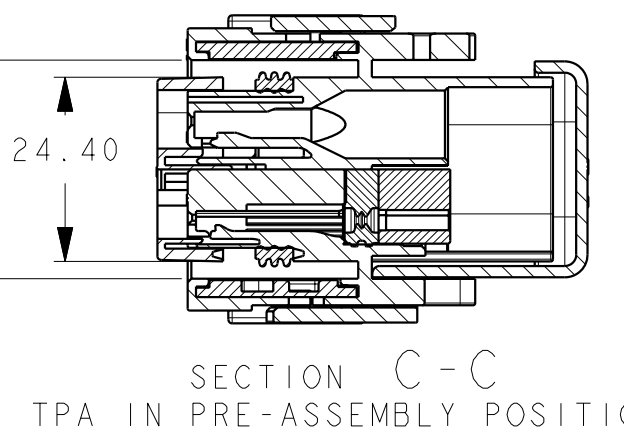
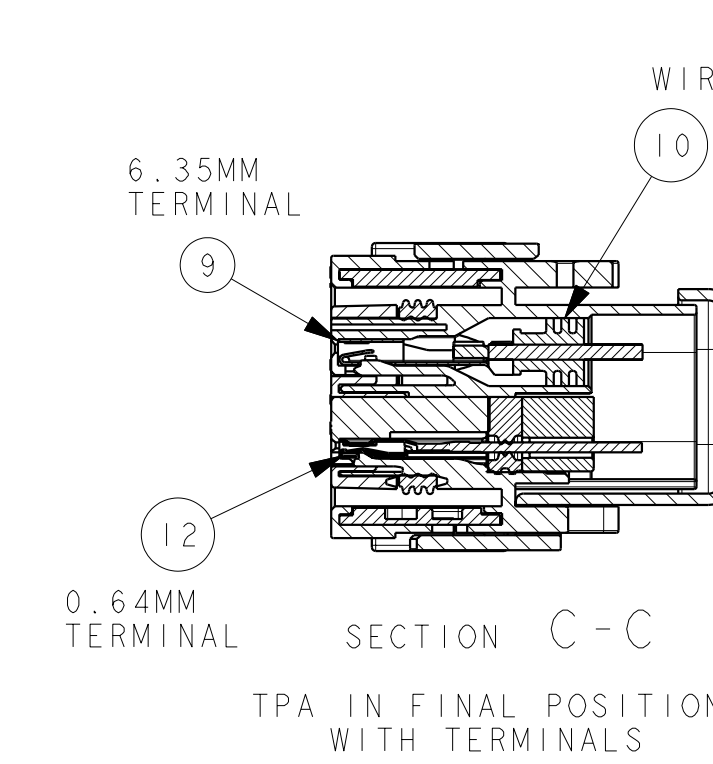
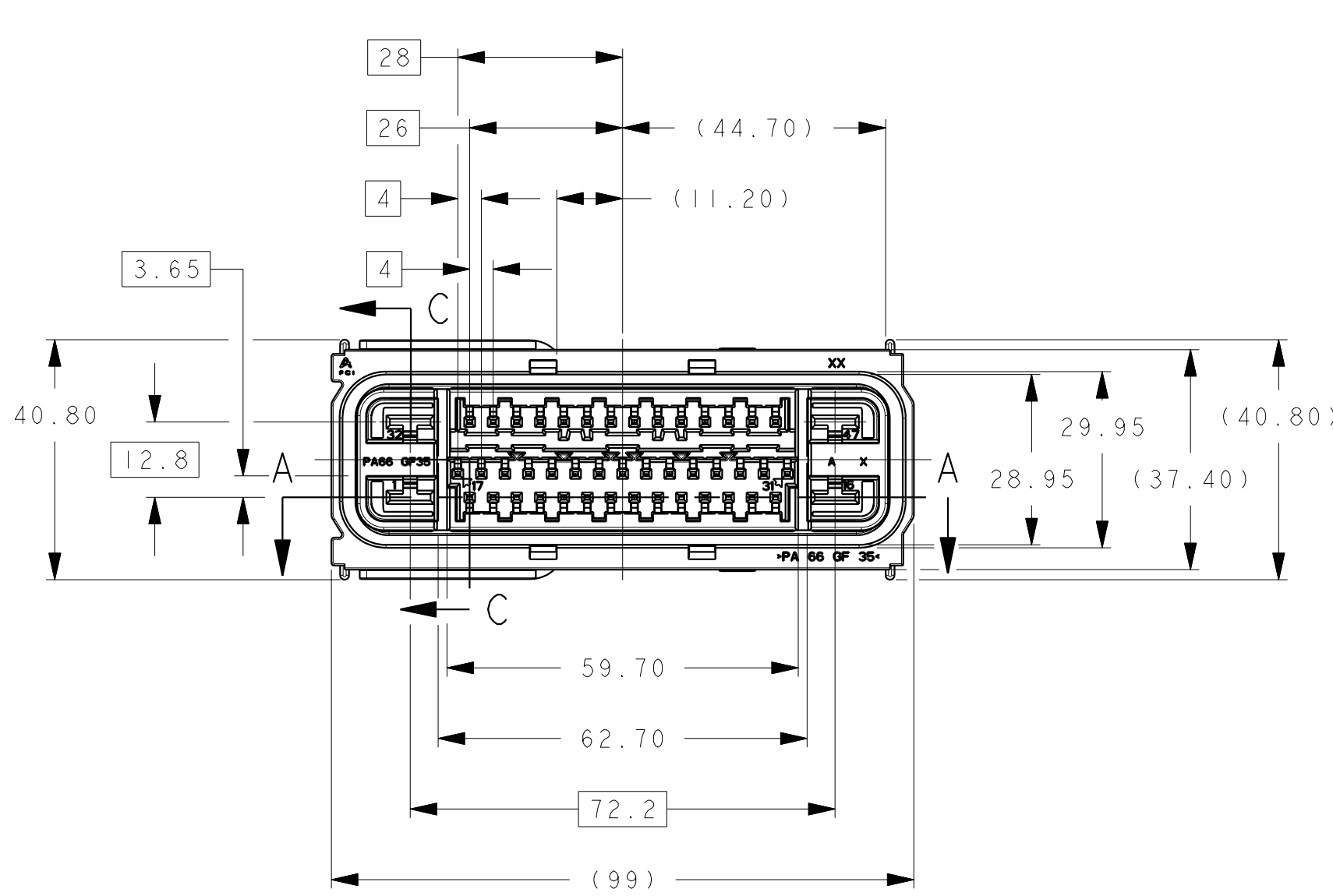
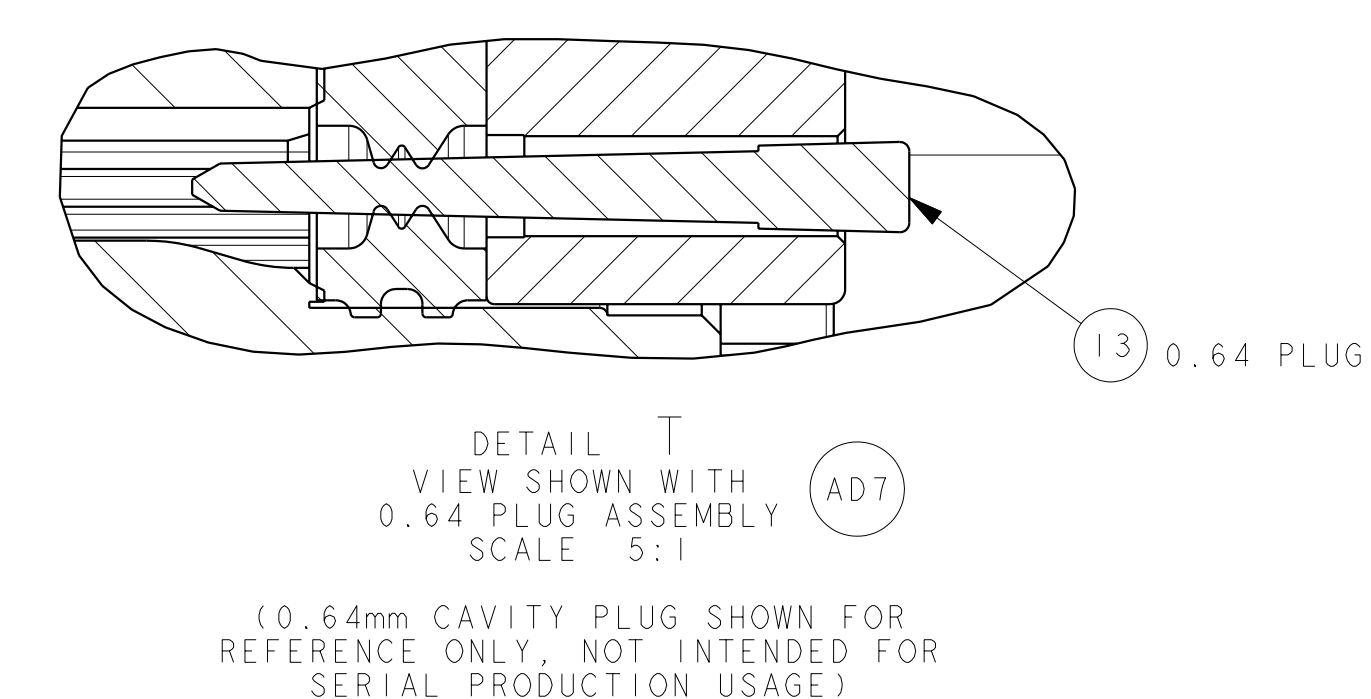
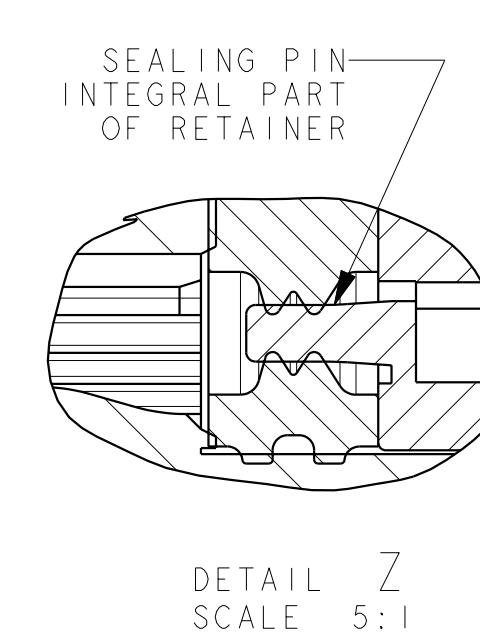
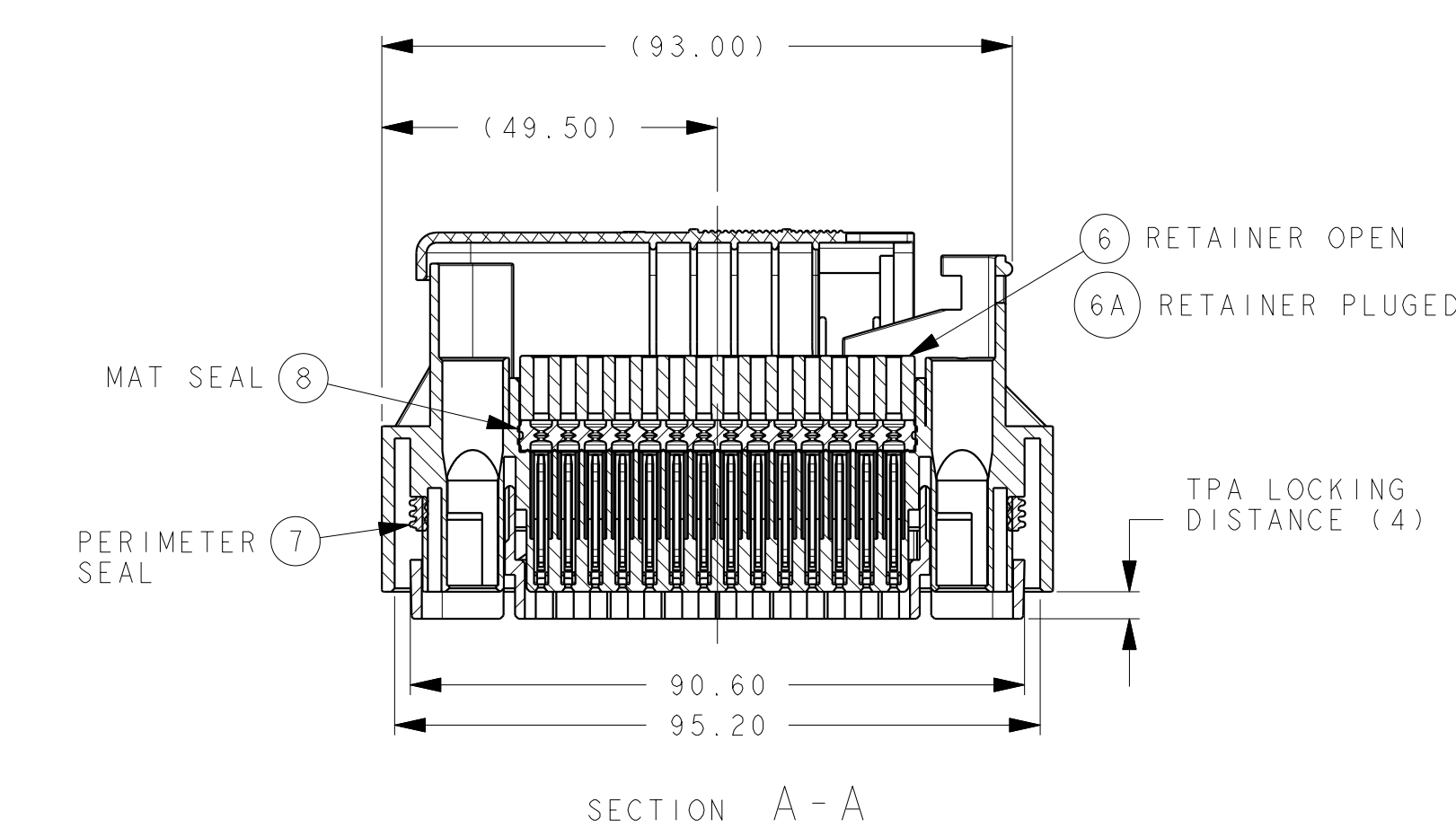
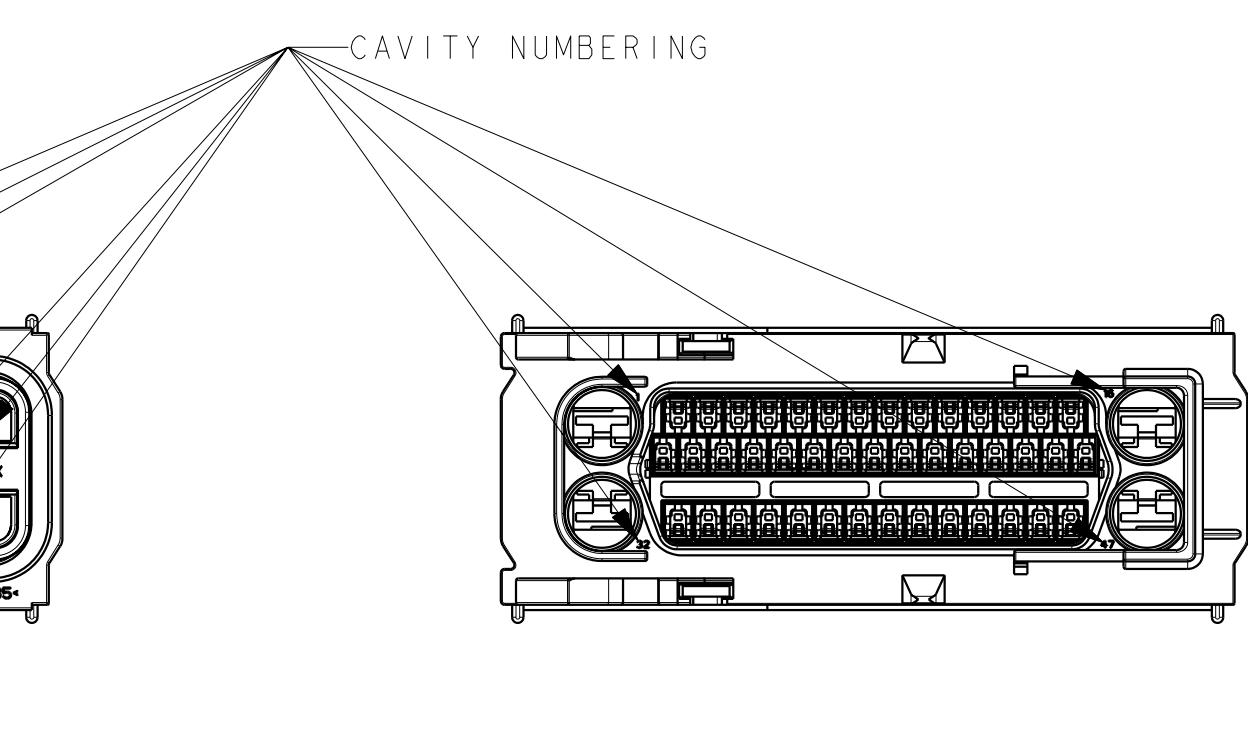
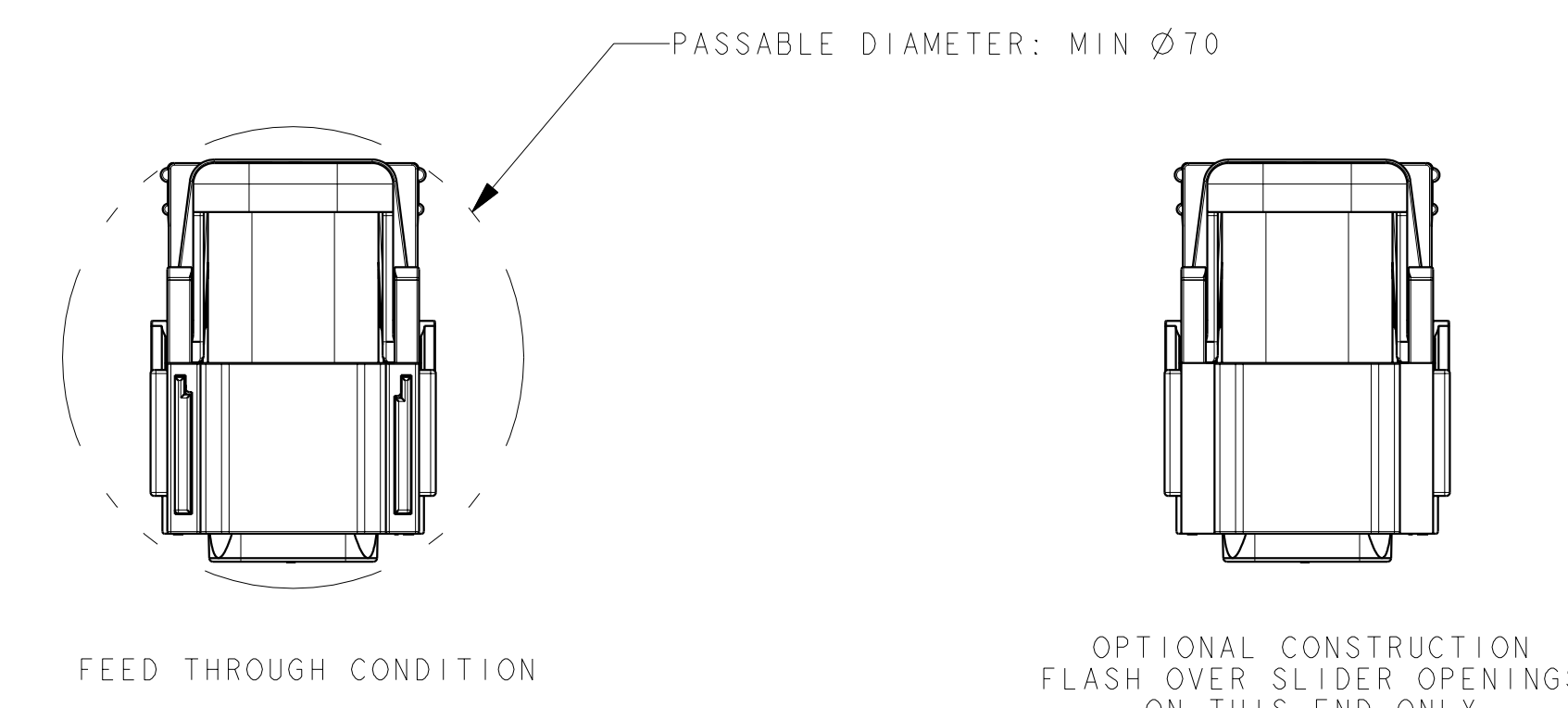




- CHARACTERS ACCORDING TO DIN 1451: CHARACTER HEIGHT 1.5 mm, RECESSED 0.5 mm OR RAISED 1.0 mm, MIN. RADIUS 0.10 mm
- CAVITY NUMBER 98
- SEALING AREA ALL AROUND: NO FLASH BURR, NO SINK MARKS, NO DRAFT ANGLES, NO TOOL PARTING, NO GATE MARK AND NO COMPOSITE MOULD PARTS PERMITTED IN THIS AREA. TOOL SURFACE POLISHED, Ra: 0.7 µm
- DETERMINES THE RANGE TO DERIVE DATUM A AND B (DATUM LEVEL FOR POSITION TOLERANCE TO BE TAKEN AT THIS HEIGHT)
- PINS: MATERIAL: C45s4 F54 M1 (170-270 HV), FINISH: 1-3 µm Sm, MIN CONDUCTIVITY 20 A/mm²
- PUSH OUT FORCE MEASURED AT 25mm/min: P1: 3,140-8, 80 N MIN
P10: 0.44x-0.8, 55 N MIN
- KEYWAY MARKING PERMITTED
- DRAFT ANGLE 0.5°, ONLY BELOW SEAL AREA PERMITTED
- CHAMFER AROUND, BUT NOT IN THIS AREA
- WARPAGE PERMITTED TO 24.8 µm, FOR THOSE TERMINALS
- NO BURRS AND NO SHARP EDGES PERMITTED
- UNPLATED CUTTING EDGE PERMITTED
- CONTACT AREA FOR PLATING TO ESTABLISH
- ALL CENTERLINES HAVE TO BE SPECIFICATION USING DATUM LEVELS A AND B
- DIRECTION TO BE ESTABLISHED AT THESE POINTS
- SURFACES FOR THE MATED HOUSING TO BE ALIGNED AND FOR THE DATUM LEVELS TO BE ESTABLISHED
- DIMENSION APPLIES ACROSS TANGENT POINTS
- THE PLASTIC MATERIAL HAS TO BE APPROVED BY FORD ELECTRICAL ENGINEERING
- MIN CONDUCTIVITY 205 IACS
- PART MUST CONFORM TO THE ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION 15051 REV. 6.0, DATED 03/12/99
- PART MUST CONFORM TO THE LATEST LEVEL OF USCAR DATED 03/10/00
- ALL PLASTIC PARTS HAVE TO HAVE MATERIAL IDENTIFICATION SYMBOLS CLEARLY MARKED, WHEREVER CHARACTER SIZE PERMITS
- NO PARTING LINES ALLOWED IN SEAL AREA, SEALING AREA MUST BE CLEARLY IDENTIFIED IN THE HEADER DRAWING
- FORD MOTOR COMPANY APPROVAL REQUIRED FOR ALL SOURCING AND TOOLING OF THIS PART
- MAXIMUM INSERTION FORCE FULLY EQUIPPED WITH 15° MIN TERMINALS - 75.00 N, WITH GOLD TERMINALS - 75.00 N
- PART MUST MATE WITH 3MST-14A46-2ZD AND 3MST-14A46-4 LA
- GENERAL TOLERANCES CNETO TO NOMINAL DIMENSION, UNLESS OTHERWISE SPECIFIED ACCORDING TO DIN 16901-140
- ALL RADIUS 0.3 mm
- PARTS ARE TO BE FREE OF SCRATCHES, DISCOLORATION, SALT RESIDUE OR OTHER INTERFERING FACTORS THAT MAY AFFECT FIT OR PART
- PIN POSITION TOLERANCE AT THE BASE OF THE PIN TO BE TAKEN AT THESE REFERENCE POINTS
- PIN POSITION TOLERANCE AT THE TOP OF THE PIN TO BE TAKEN AT THESE REFERENCE POINTS



1. PART MUST CONFORM TO THE ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (C305)
2. PART MUST CONFORM TO THE APPLICABLE ELEMENTS OF SAE/USCAR - 2 REV 3 CLASS 1 WITH THE EXCEPTION OF REQUIREMENT 5.4.1. TERMINAL CONNECTOR ENGAGE/DISENGAGE FORCE SHALL BE: MINIMUM PULL OUT FORCE > 60 N.
3. MAXIMUM MATING FORCE FULLY POPULATED WITH TIN TERMINALS = 73N
4. ALL PLASTIC PARTS MUST HAVE MATERIAL IDENTIFICATION SYMBOLS CLEARLY MARKED, WHEREVER PACKAGE SIZE PERMITS
5. ENGINEERING APPROVAL REQUIRED FOR ALL SOURCING AND TOOLING OF THIS PART
6. FOR ENGINEERING APPROVED SOURCE SEE ENGINEERING RELEASE
7. ENGINEERING APPROVAL REQUIRED FROM EACH SUPPLIER IS REQUIRED PRIOR TO AUTHORIZATION OF PART PRODUCTION
8. CHANGES IN DESIGN COMPOSITION OR PROCESSING FROM THE PART PREVIOUSLY APPROVED FOR THIS PART MUST BE APPROVED BY THE FOLLOWING:
9. 0.3mm MAXIMUM RADIUS PERMISSIBLE ON EDGES AND FILLETS SHOWN AS SHARP FOR PLASTIC PARTS
10. CS DENOTES GAGE DESIGN. GAGE DESIGNS MUST HAVE SIGNED ENGINEERING APPROVAL PRIOR TO CONSTRUCTION AND WILL BE A CONDITION OF FINAL PART APPROVAL
11. PARTS ARE TO BE FREE OF SCRATCHES, DISCOLORATION, SALT RESIDUE OR OTHER DEFECTS THAT MAY AFFECT FUNCTION
12. TERMINAL CRIMP IRRE BRUSH SHOULD BE MINIMIZED TO AVOID INTERFERENCE WITH TERMINAL PRIMARY LOCK
13. CONNECTOR MAY BE USED WITH THE FOLLOWING RANGE OF WIRE SIZES / TYPES:
FOR GAGE TWO (2) WIRE GAGE = 17.0mm MIN O.D. TO 21.34mm MAX O.D.
CONTACT FOR ENGINEERING REQUIRED FOR ALL OTHER WIRE TYPES AND/OR SIZES

ADA

REPLACES 5M6T-14A464-LA-001REPLACES 5M6T-14A464-LA-016603

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