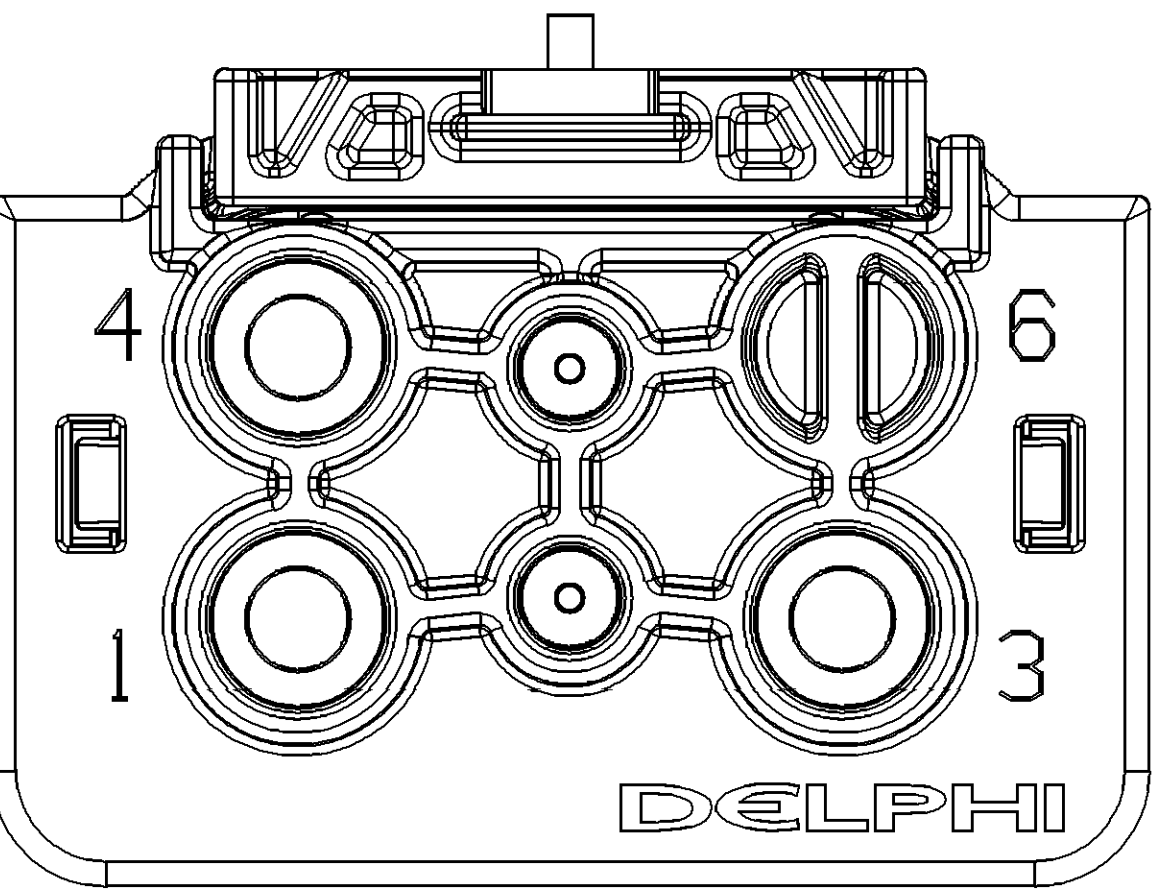
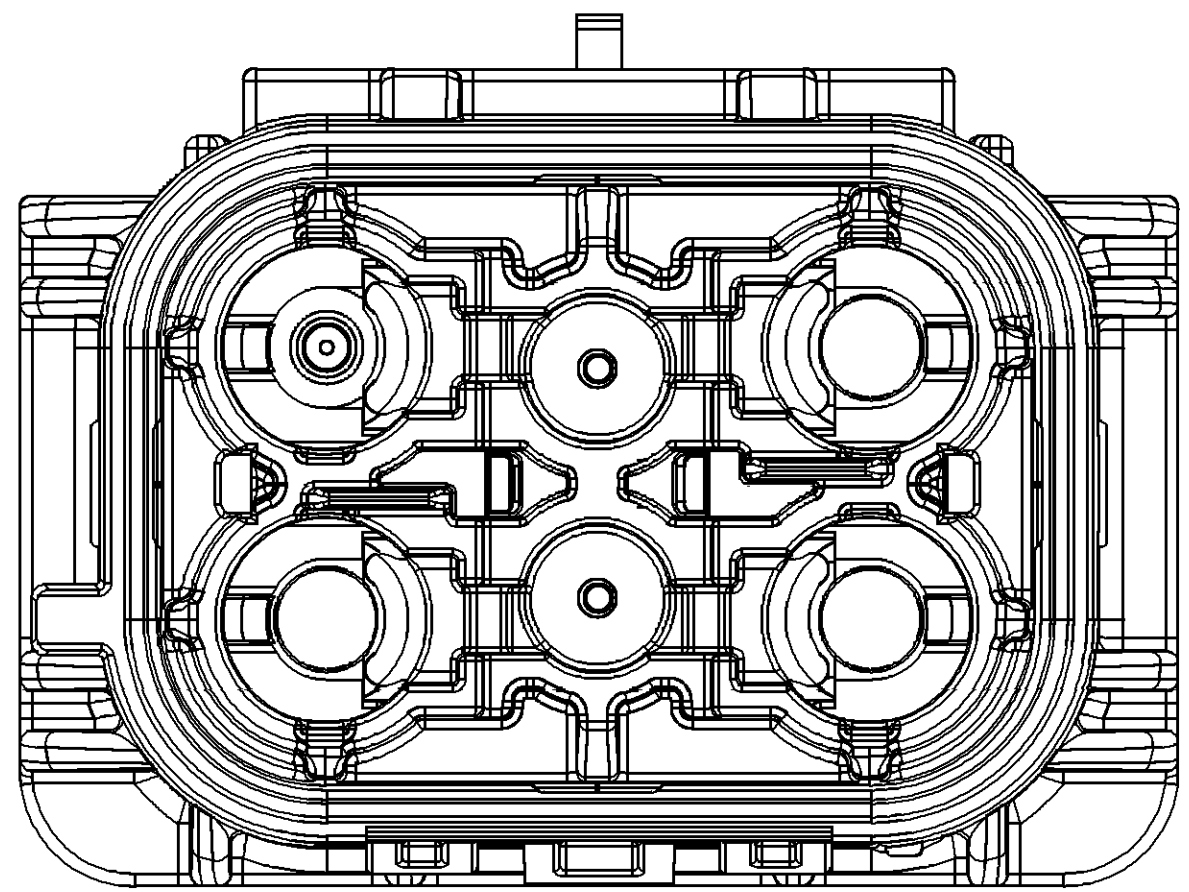
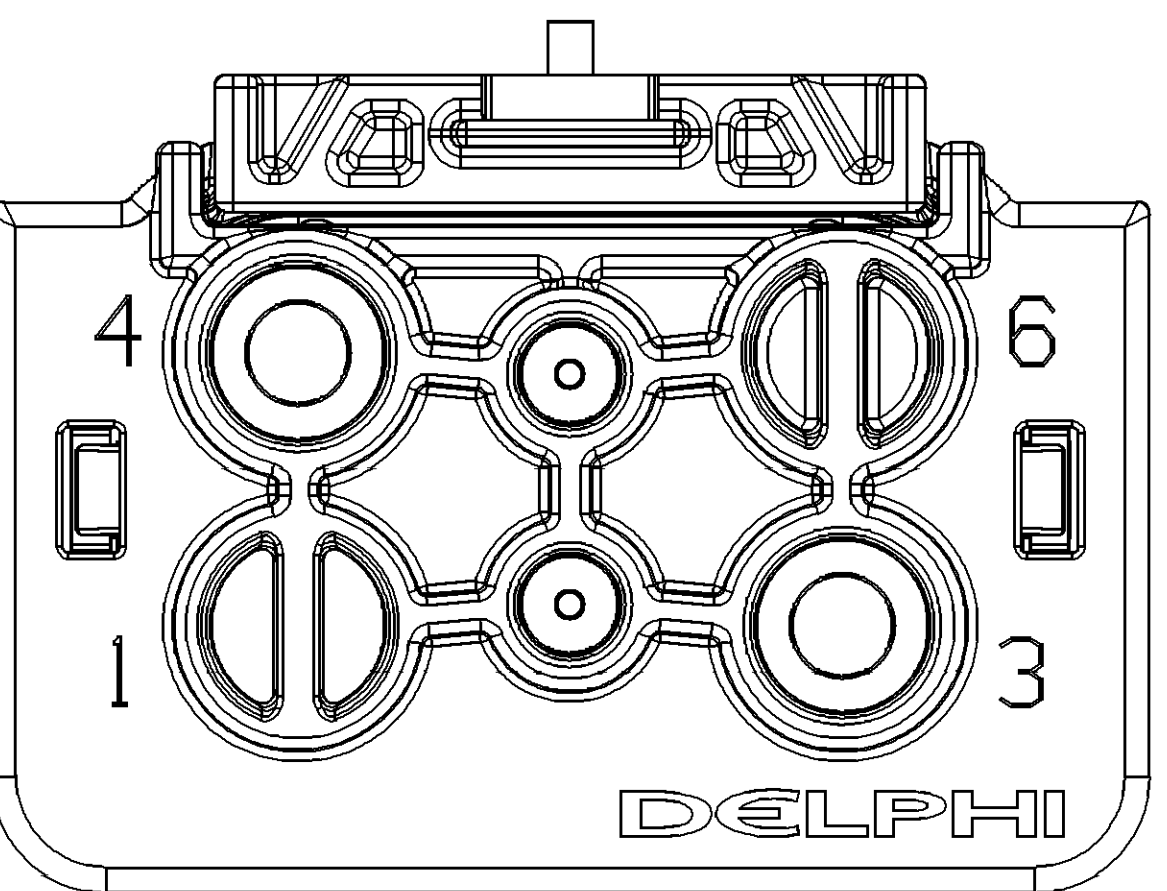
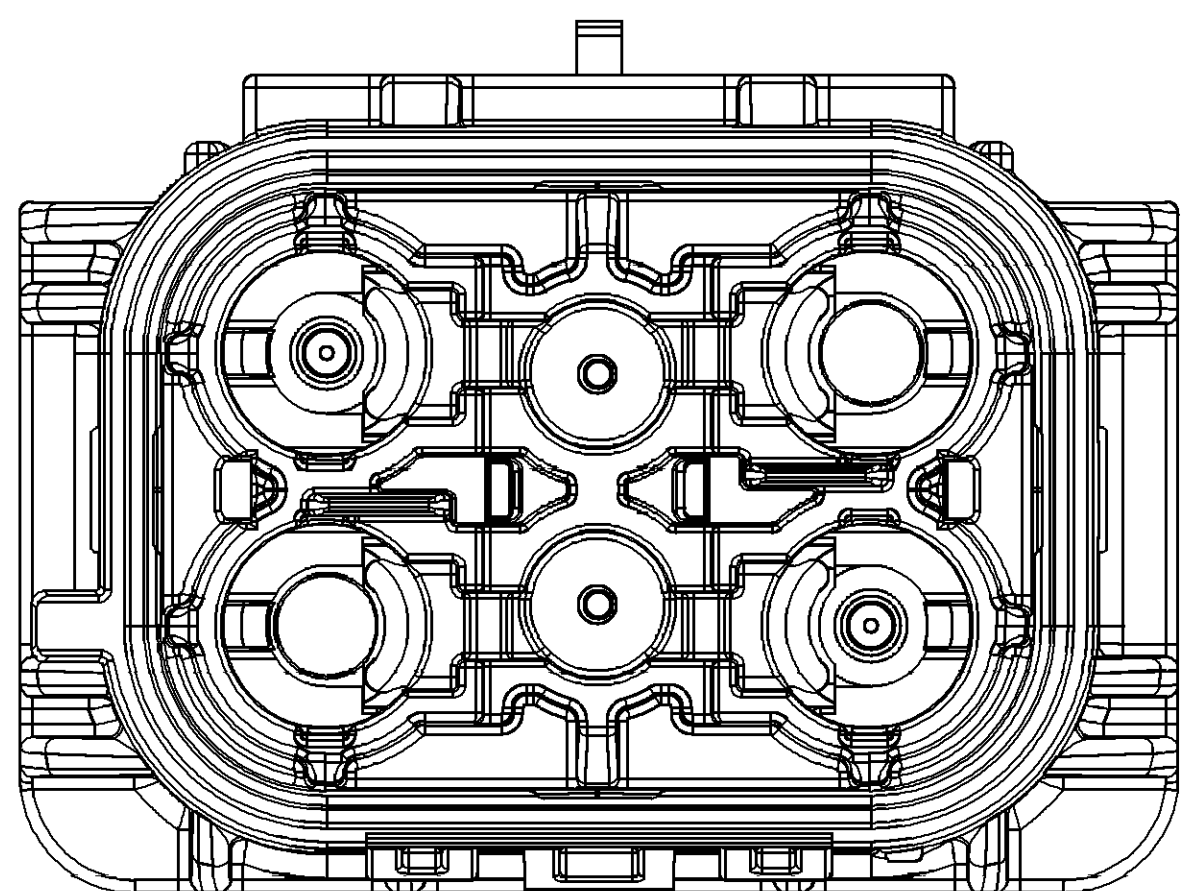
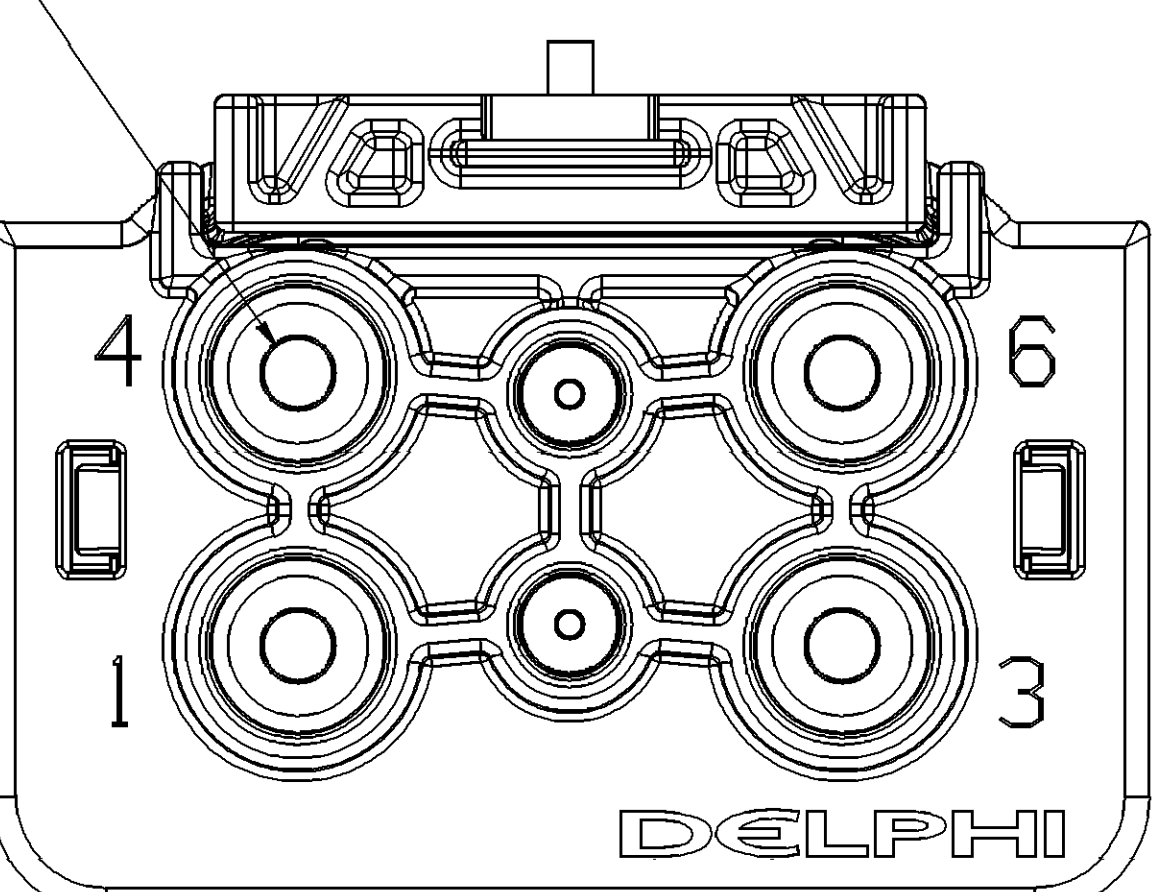
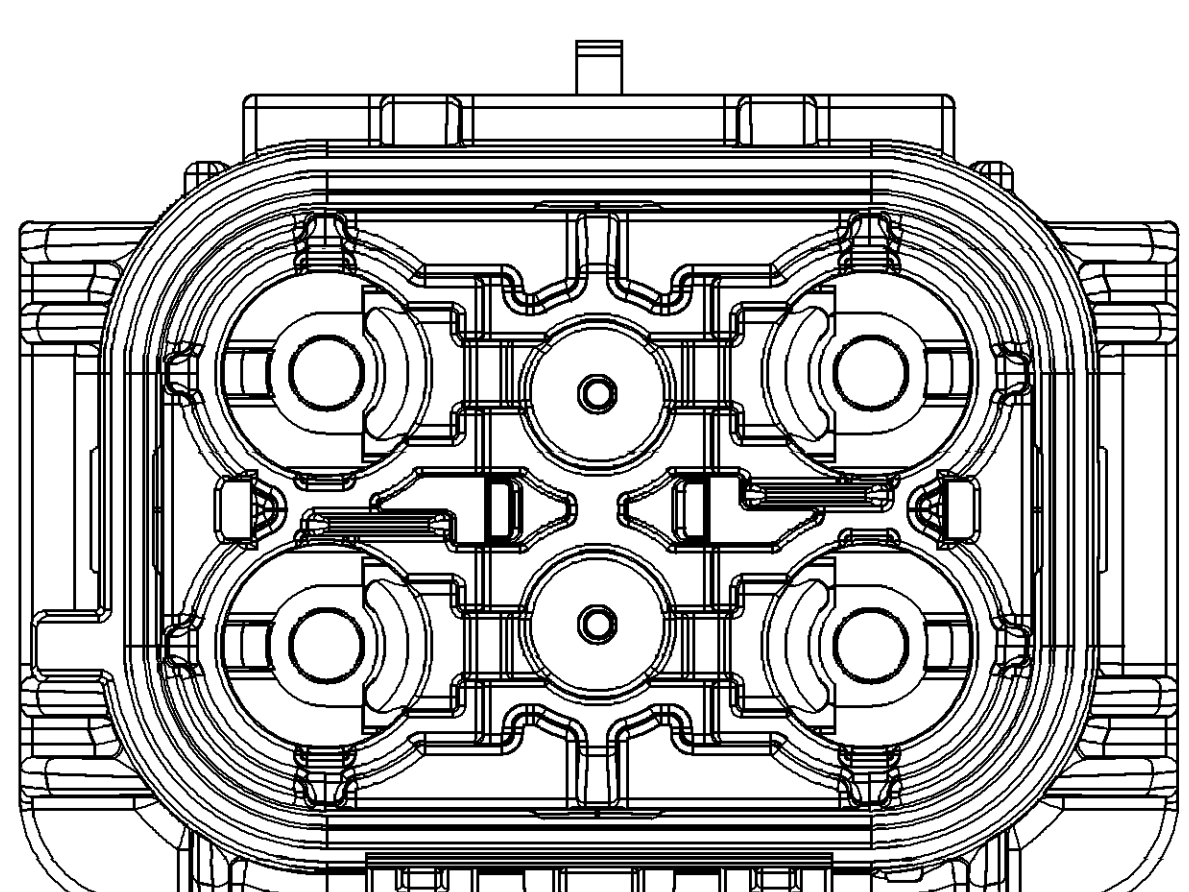




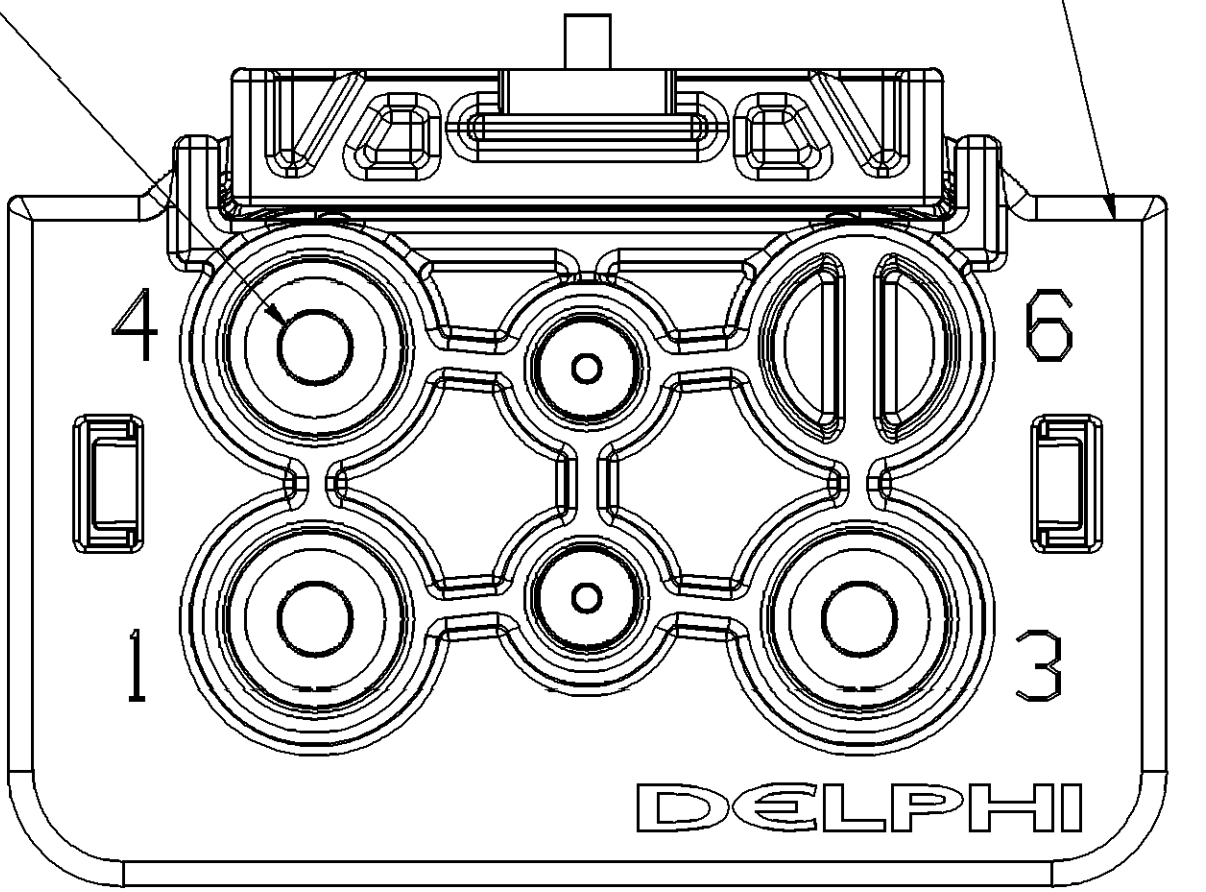
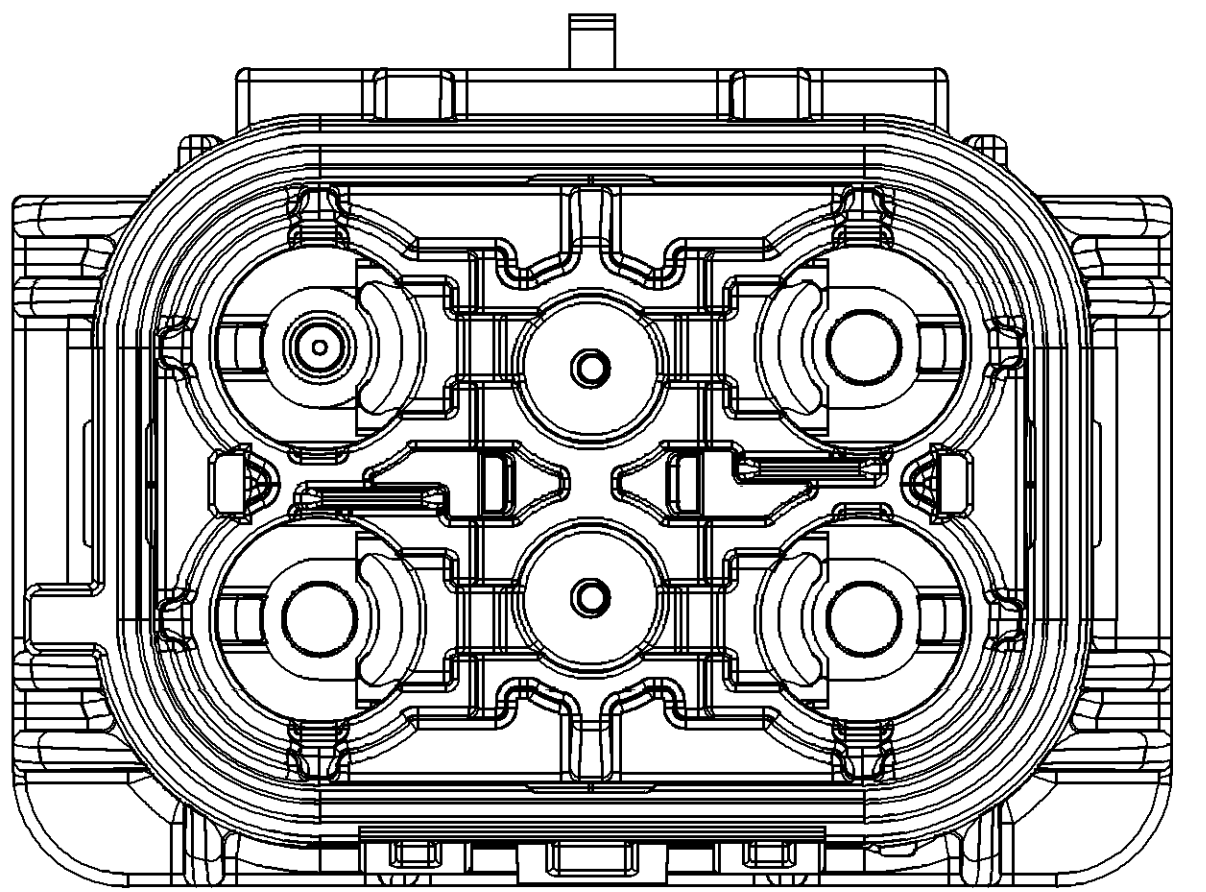
TYPE 102
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EXCEPT AS SHOWN



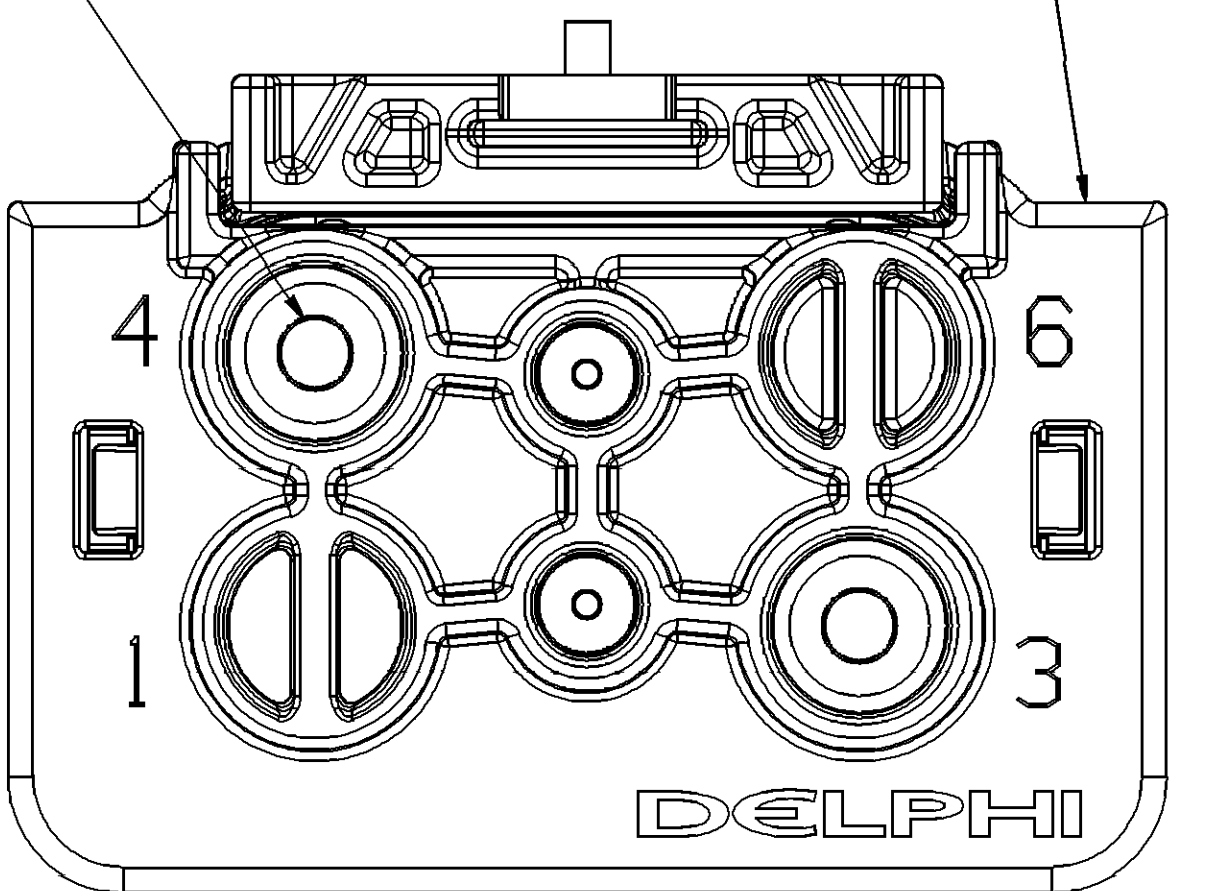
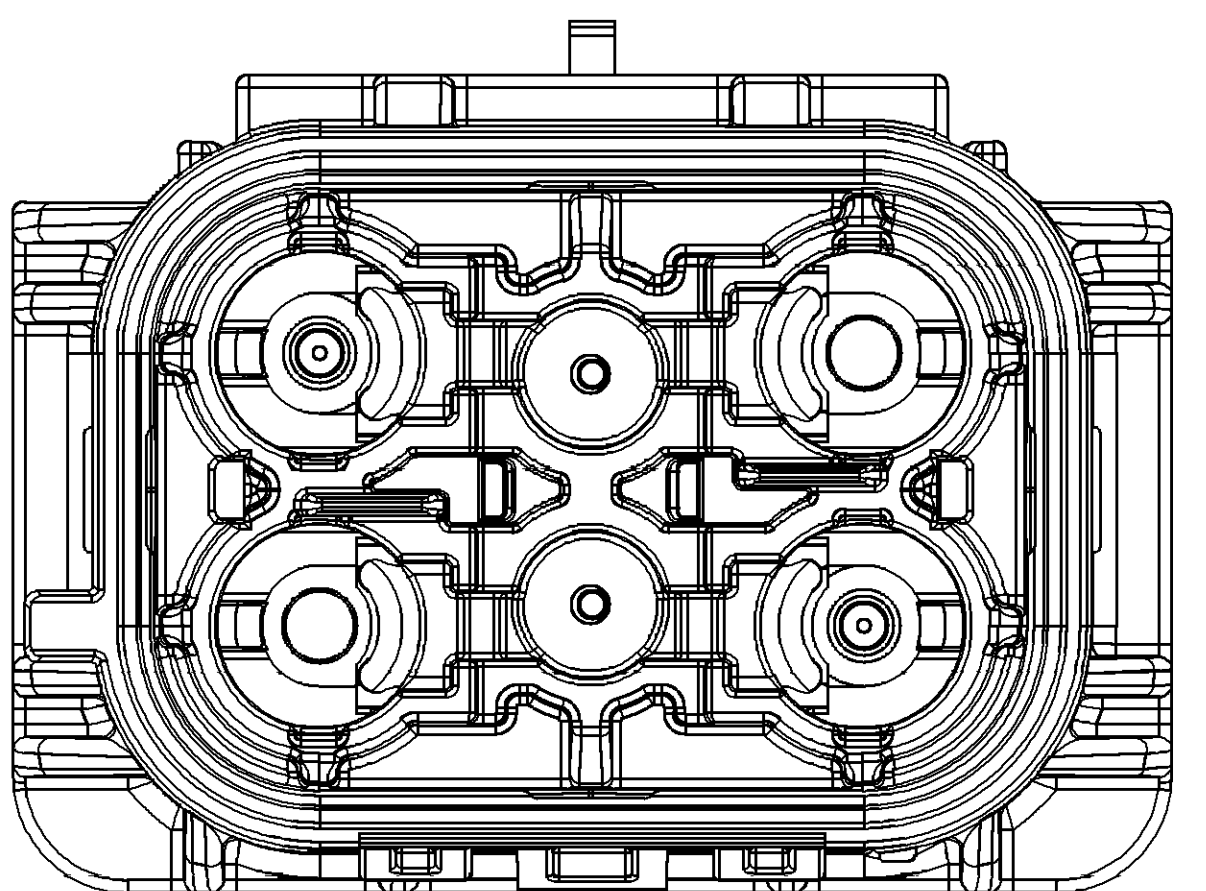
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EXCEPT AS SHOWN



TYPE 104
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EXCEPT AS SHOWN

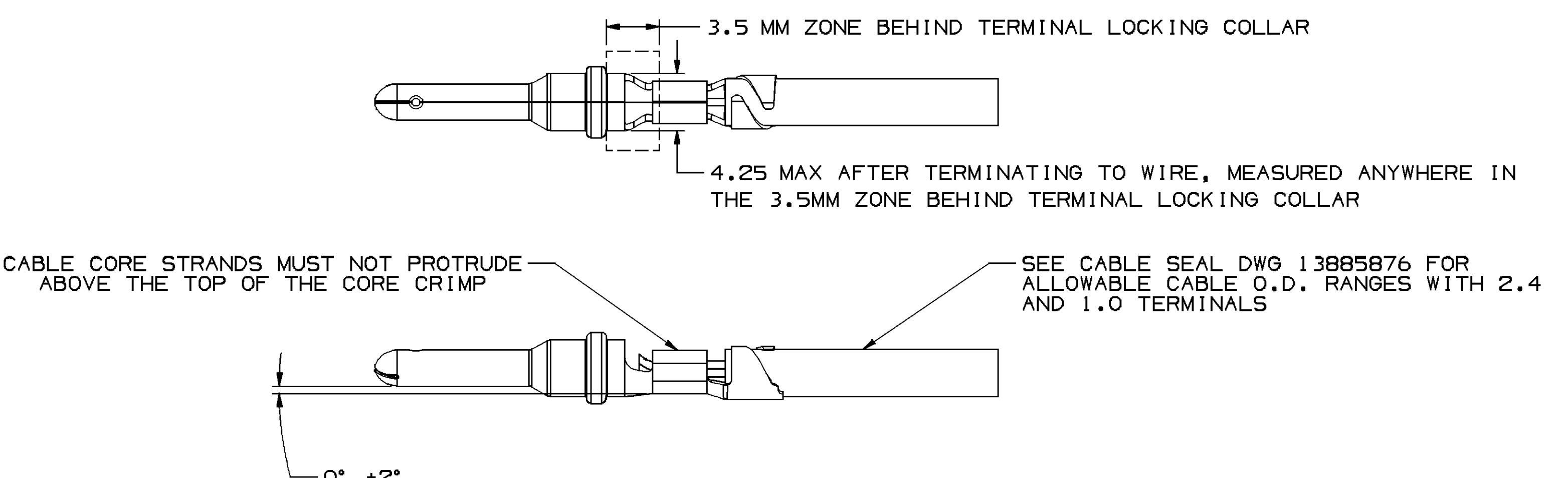


TYPE 105
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EXCEPT AS SHOWN



TYPE 106
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EXCEPT AS SHOWN

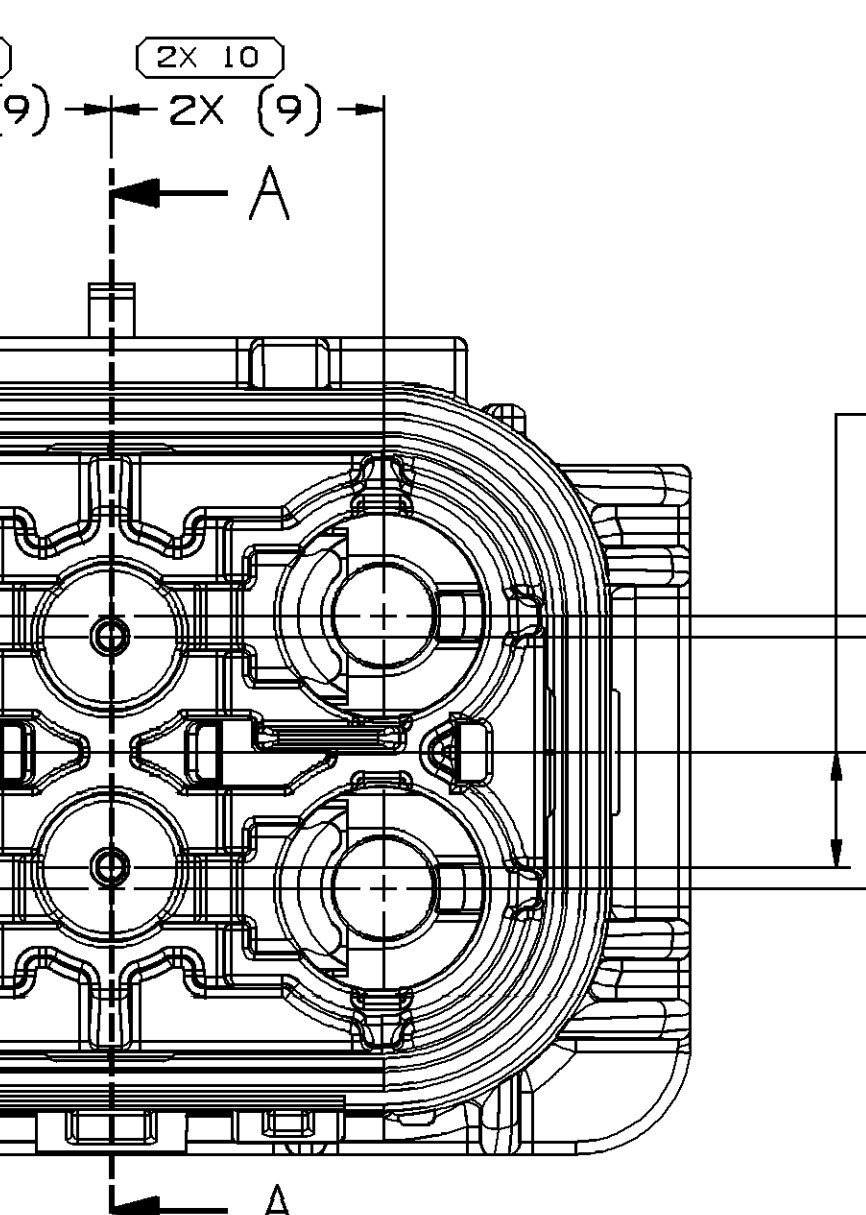
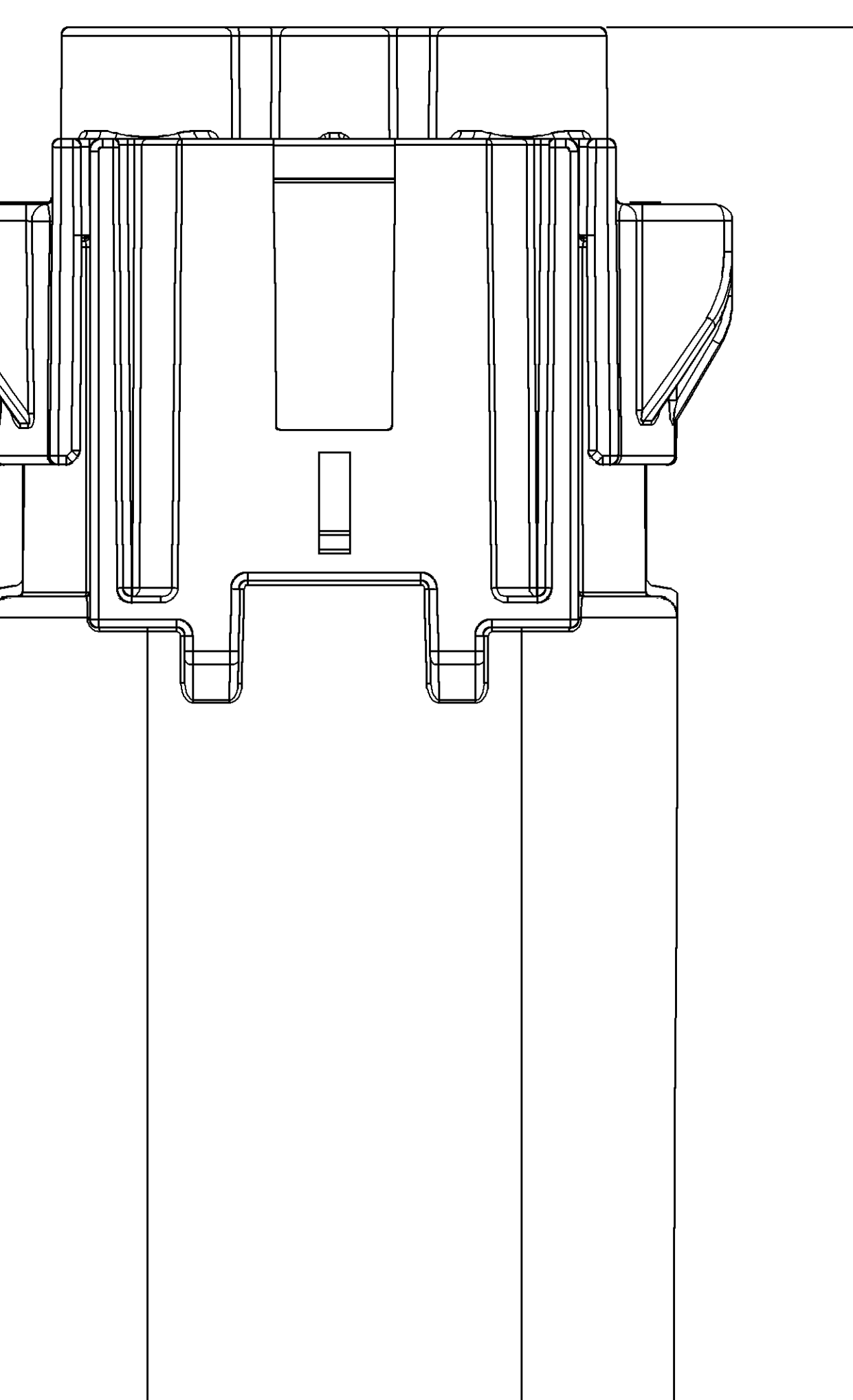
2.4 & 1.0 TERMINAL & WIRE APPLICATION REQUIREMENTS



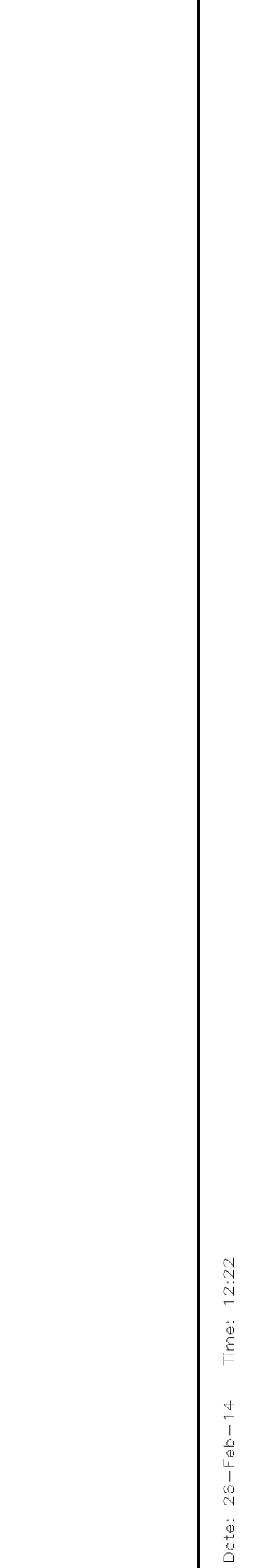
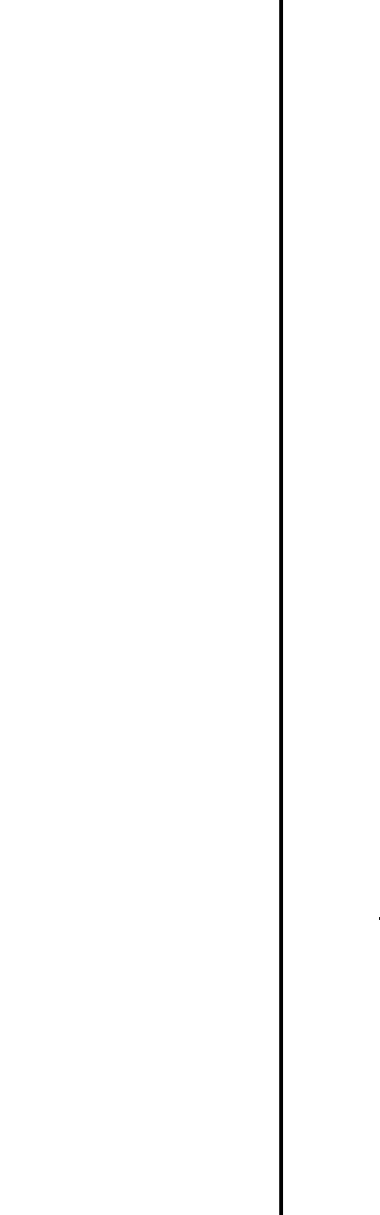
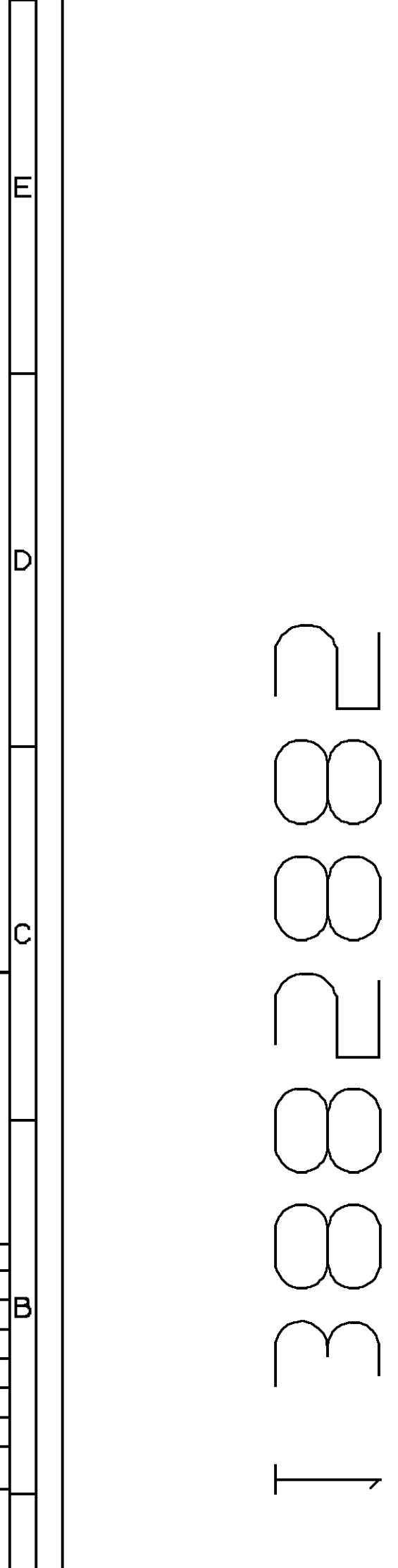
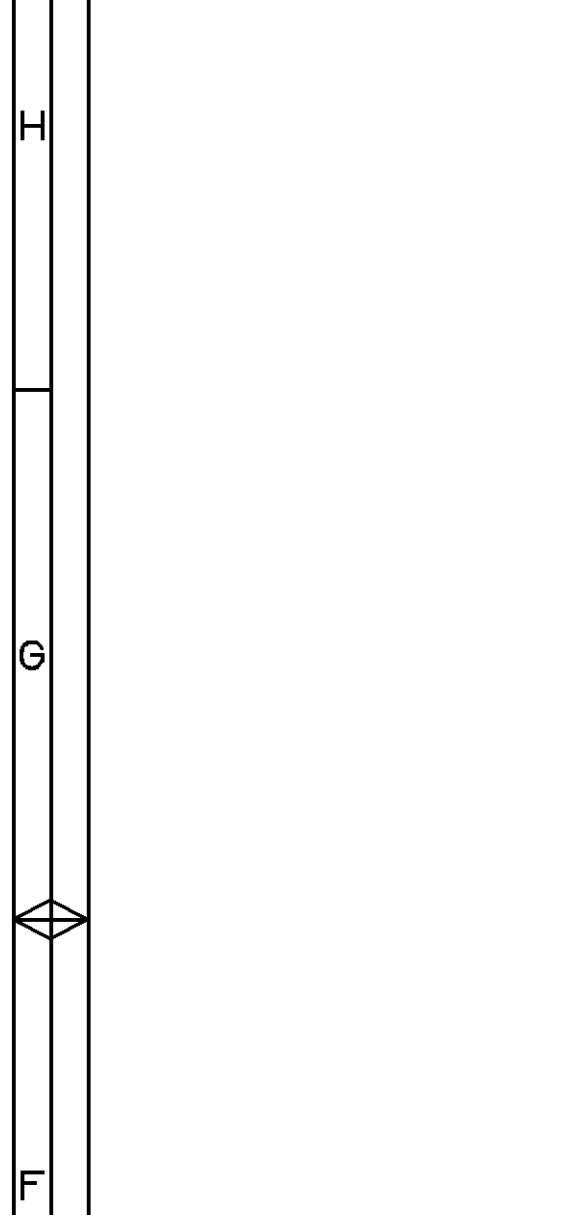
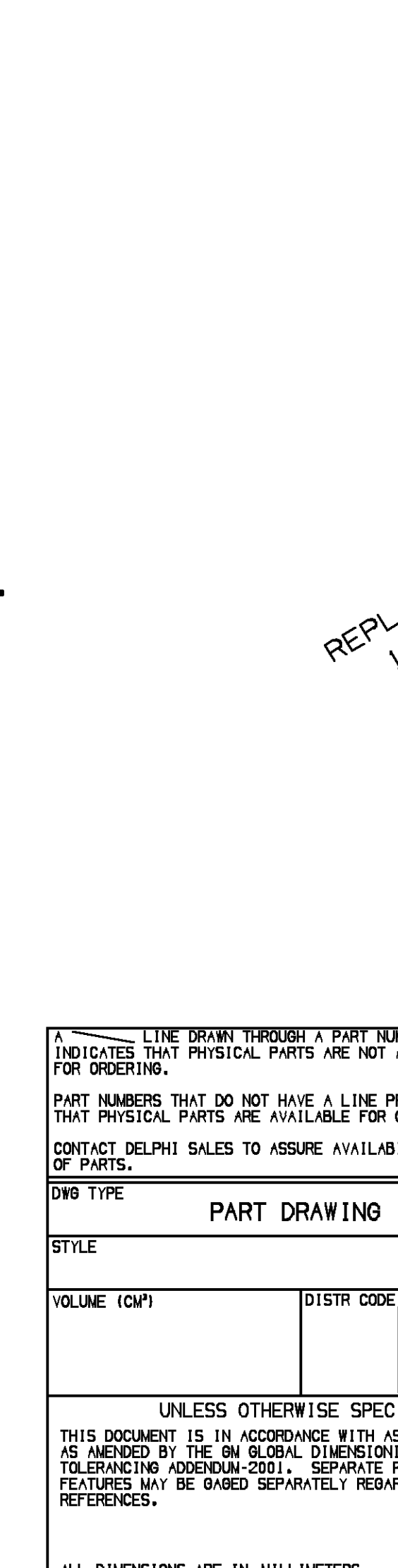
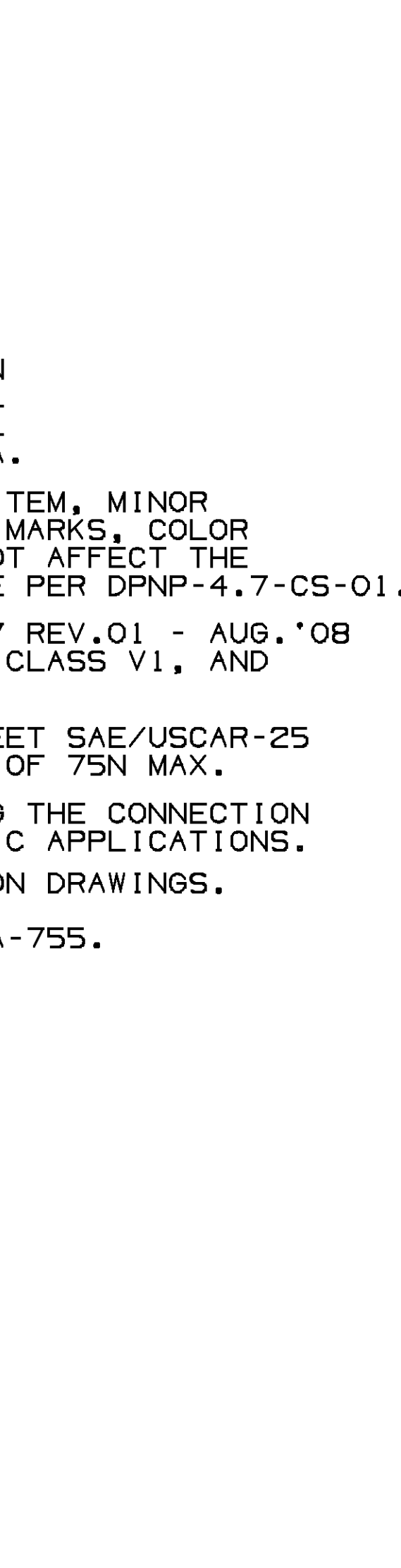
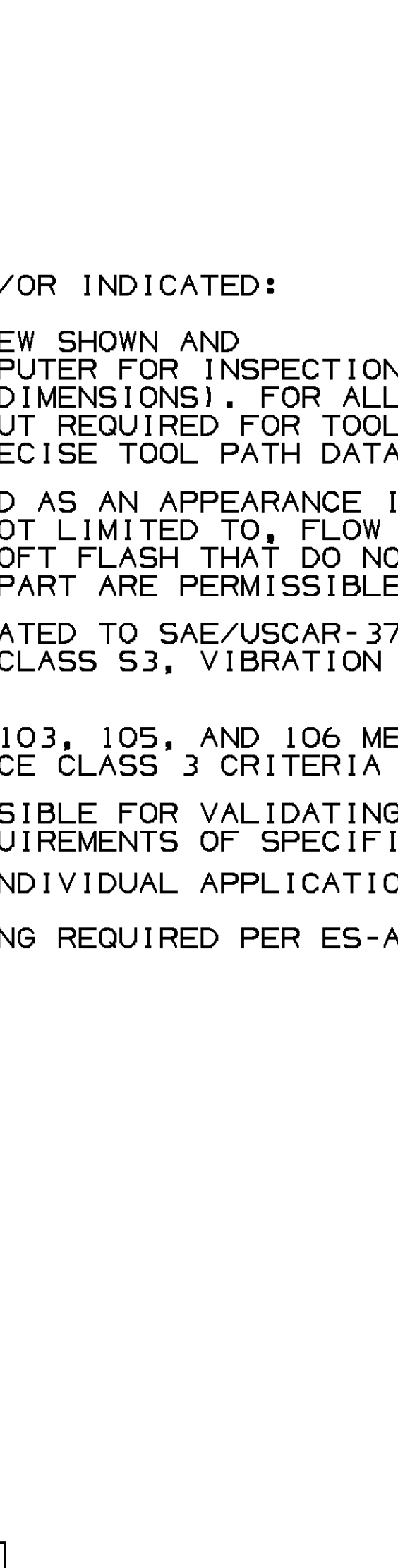
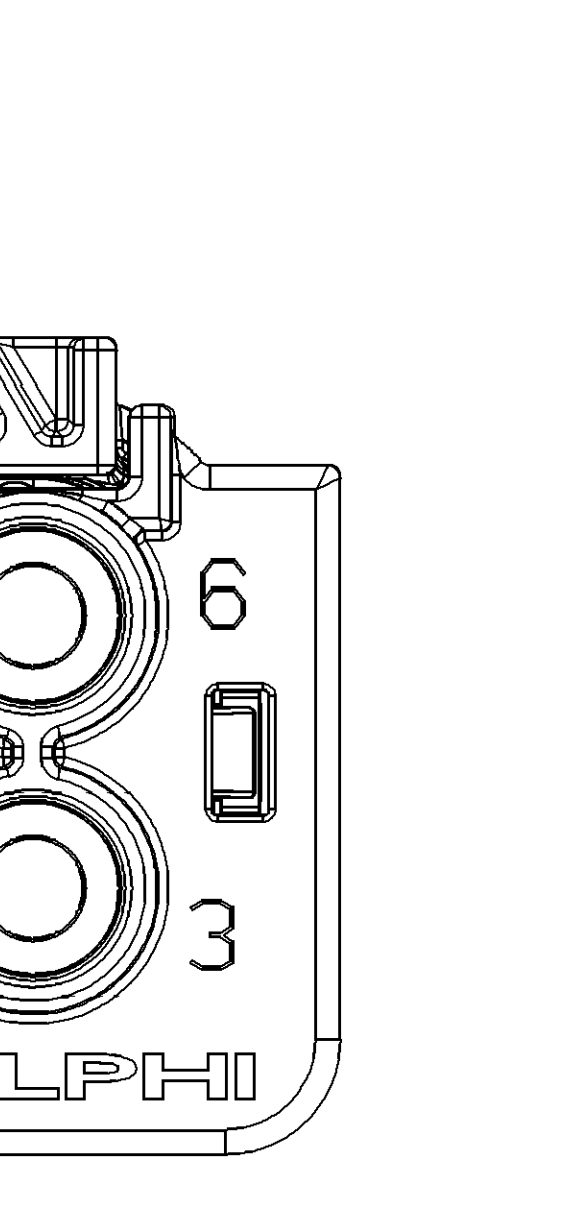
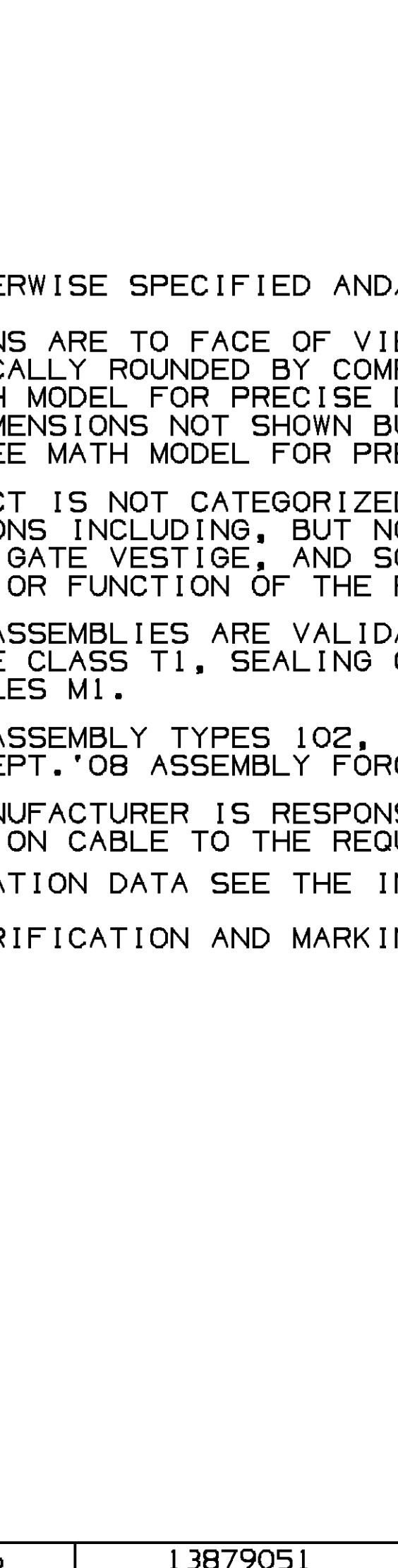
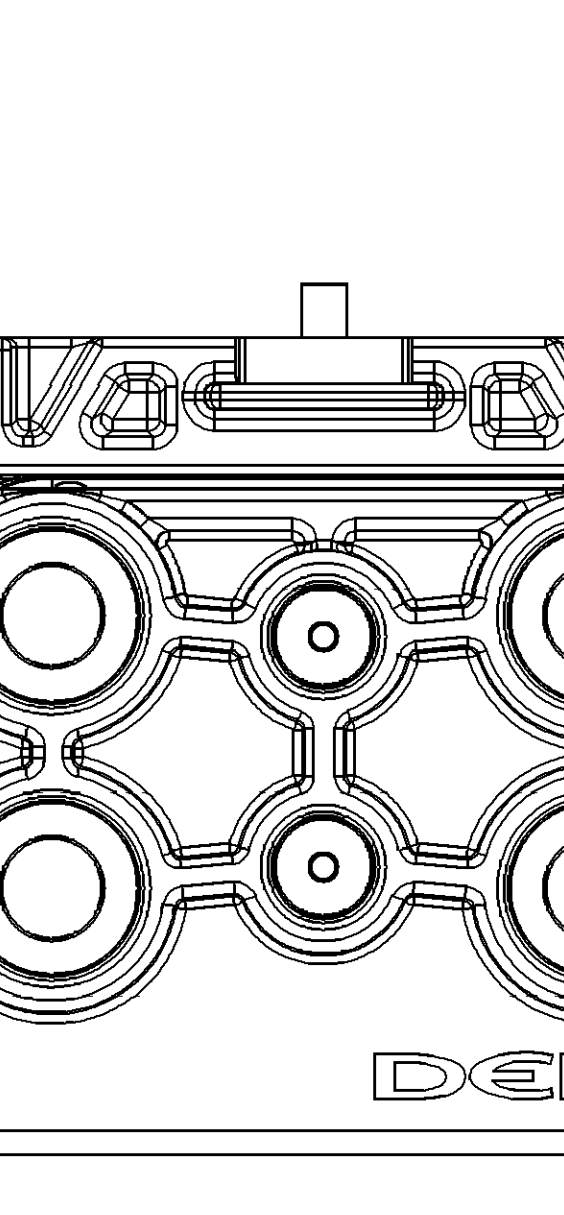
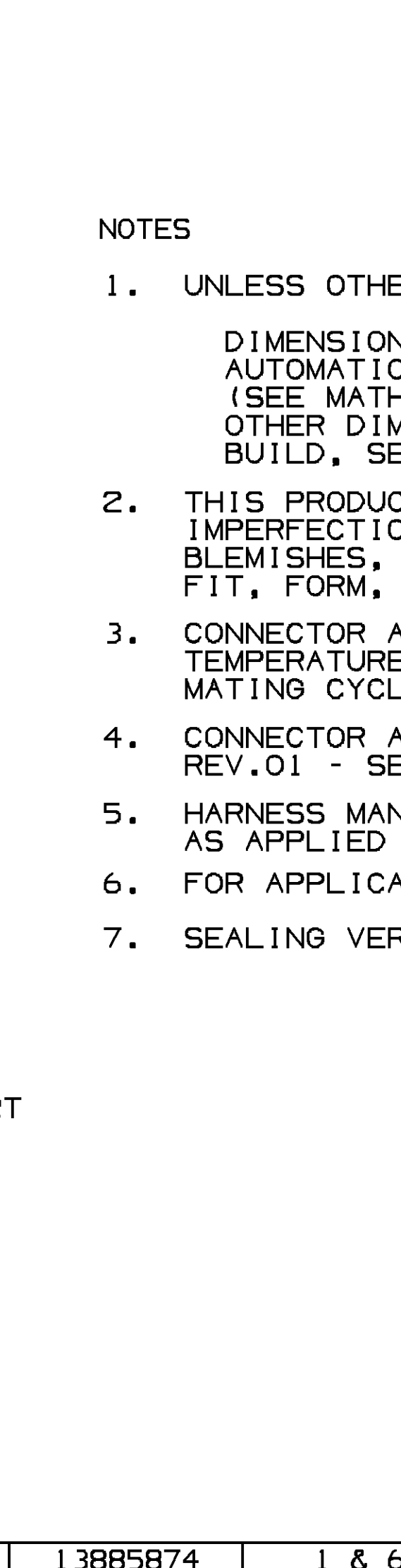
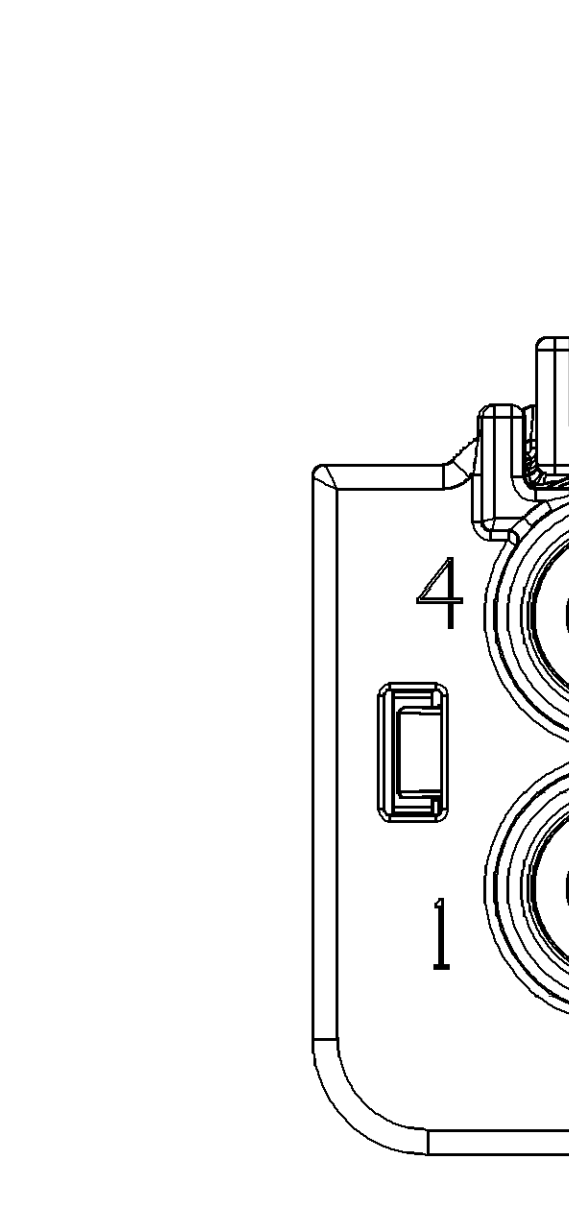
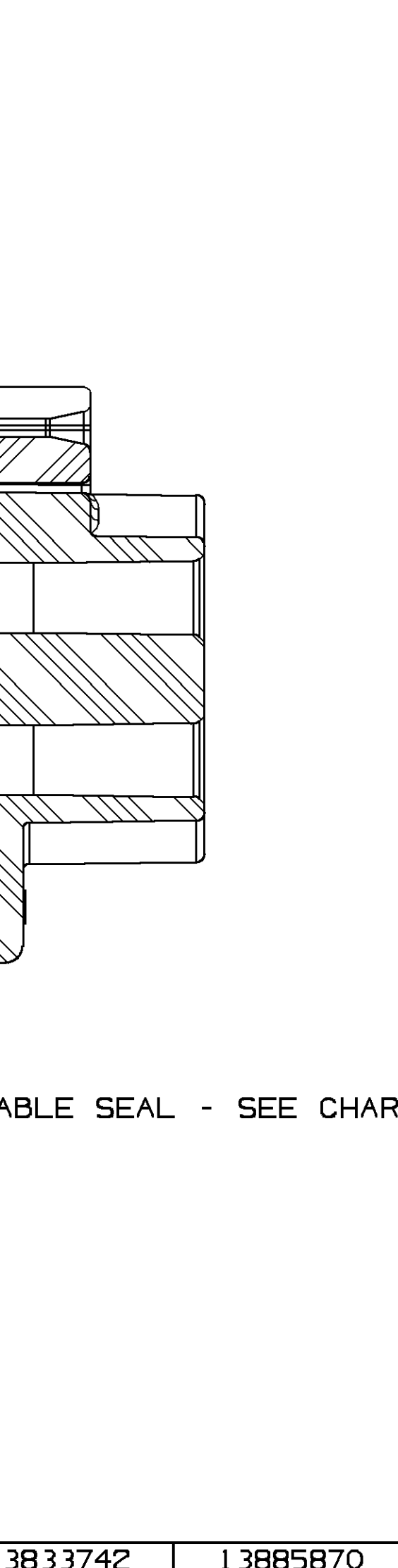
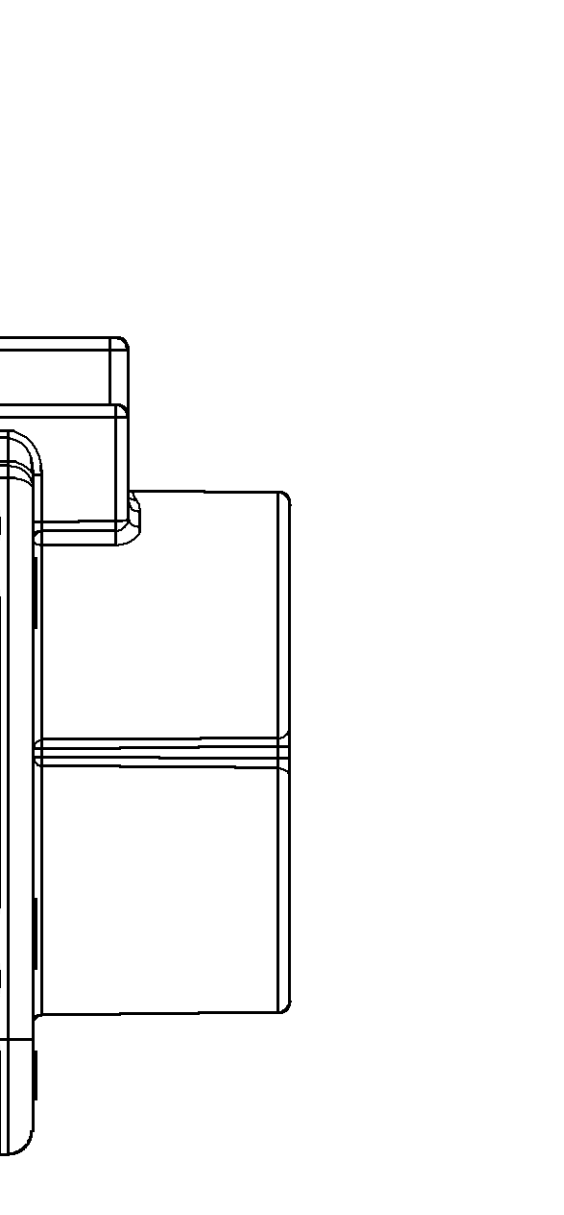
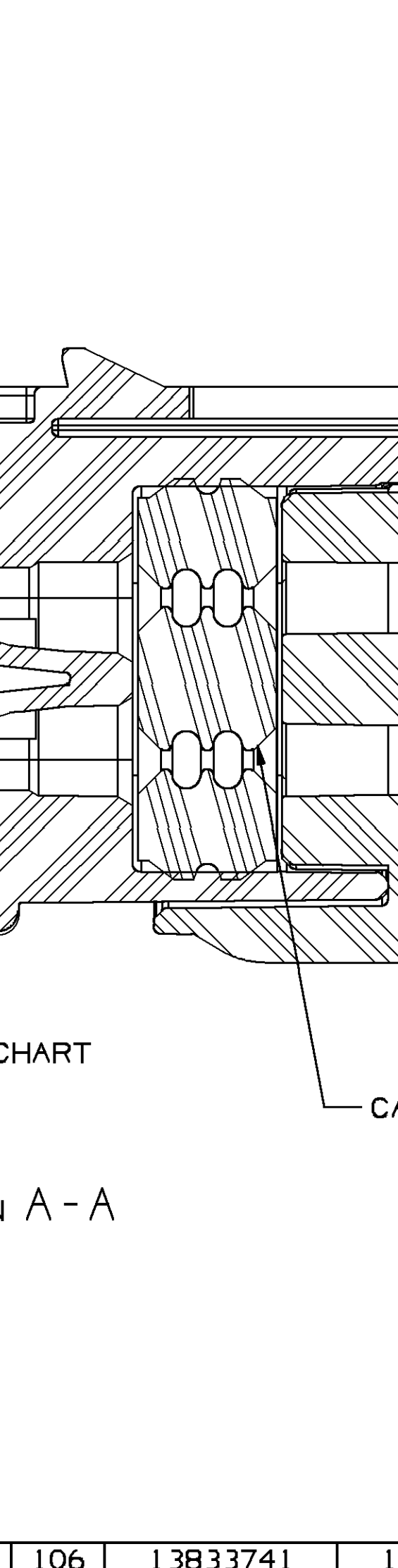
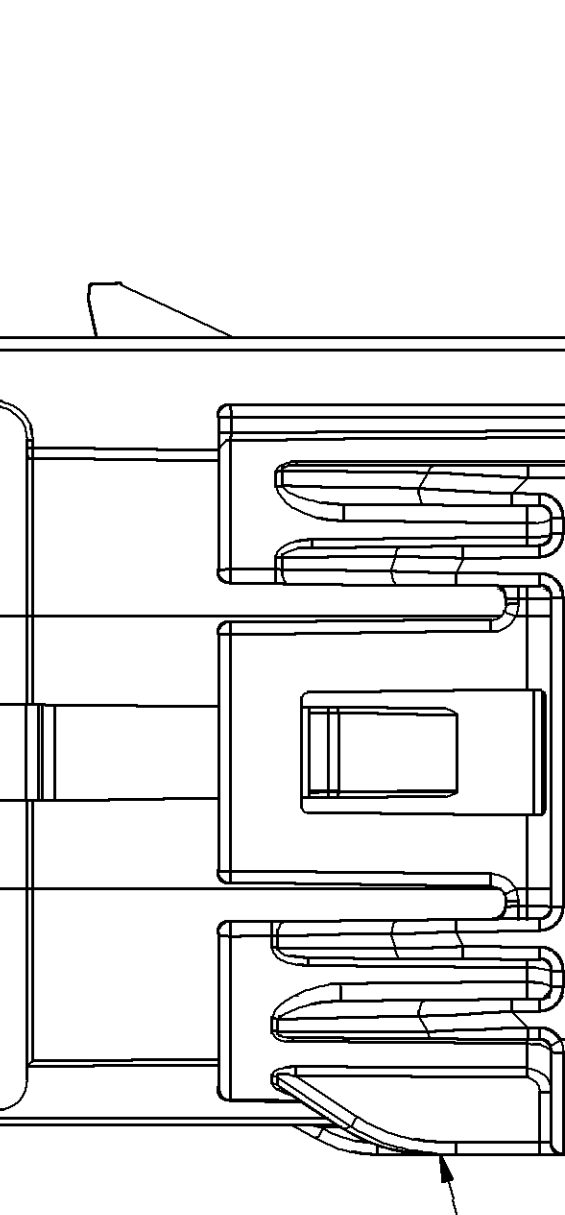
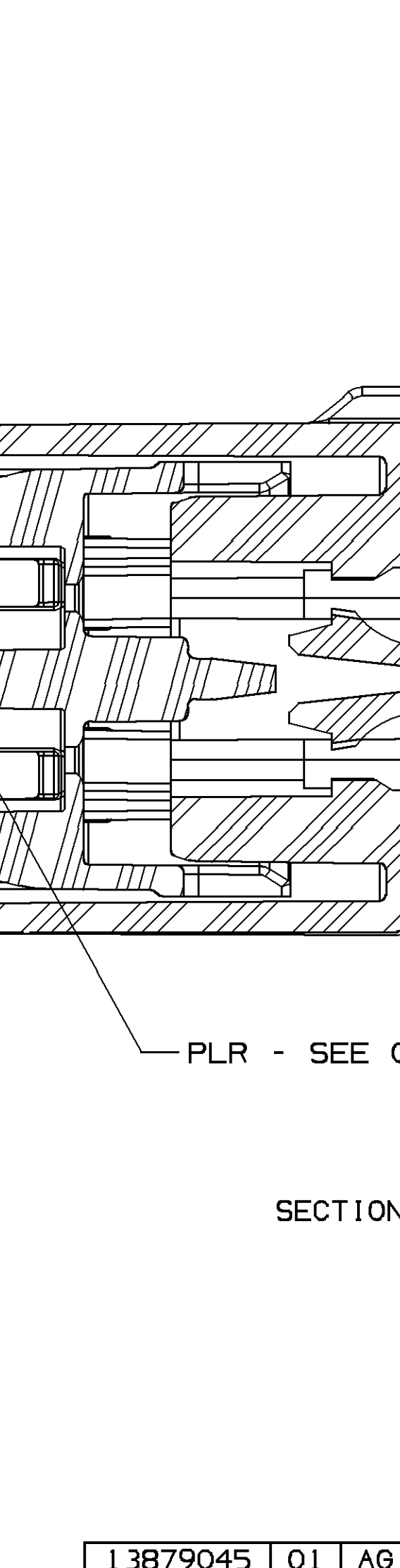
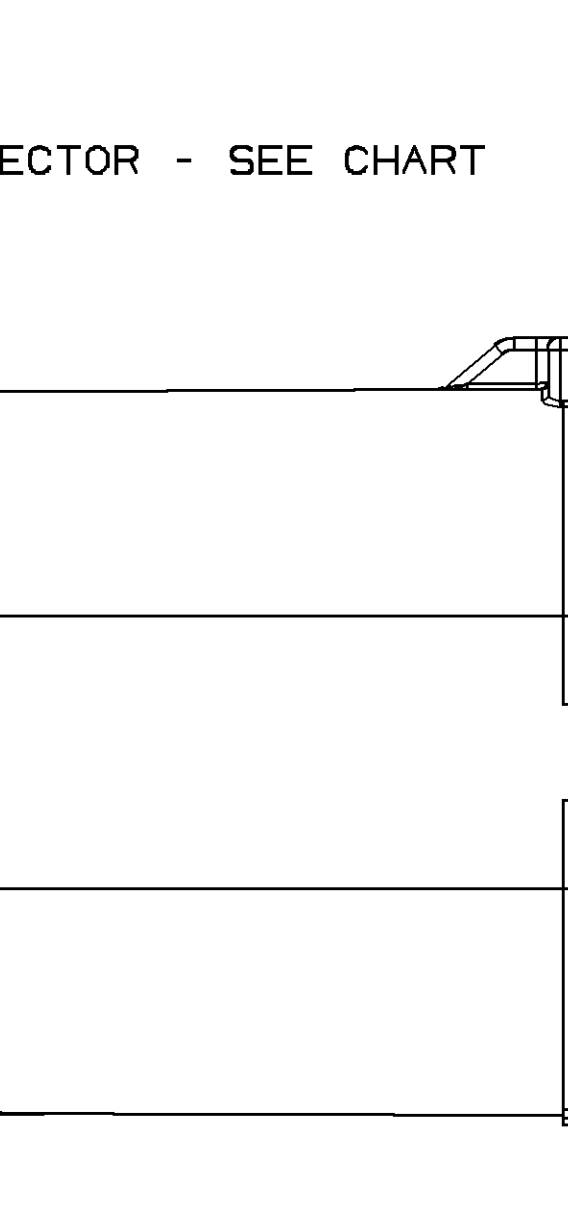
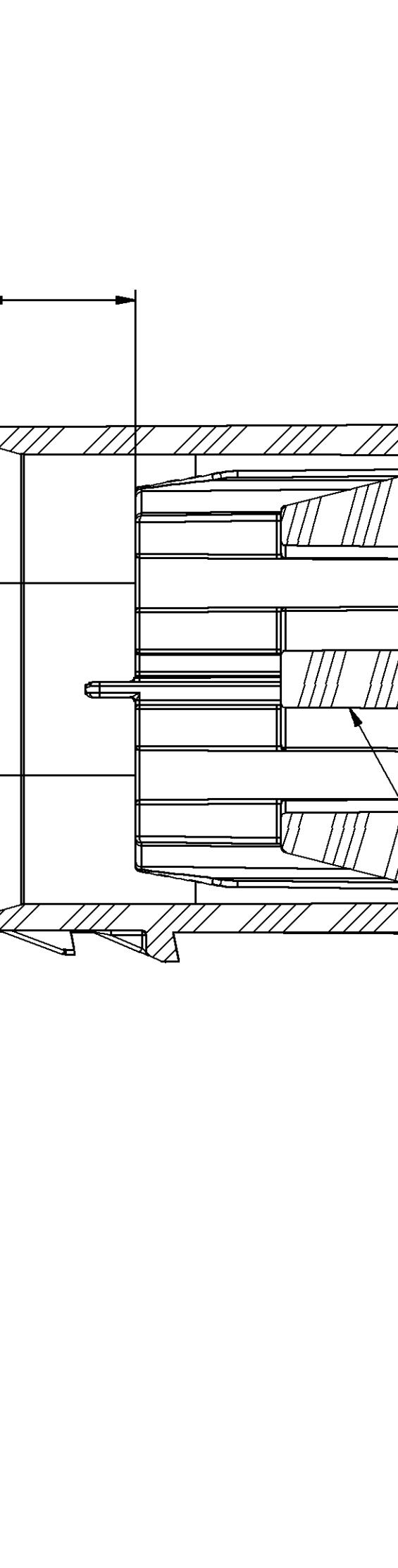
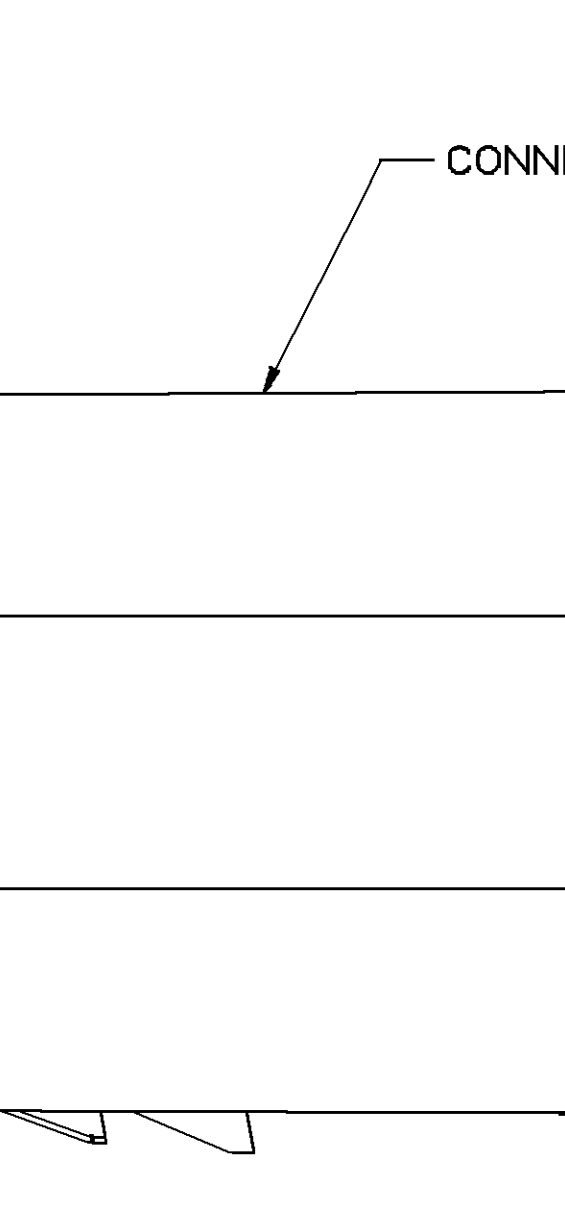
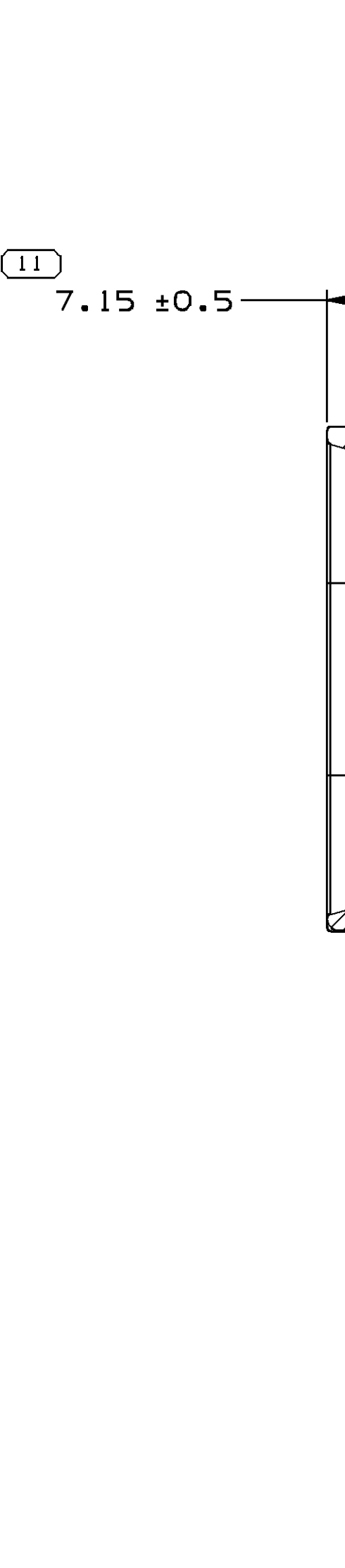
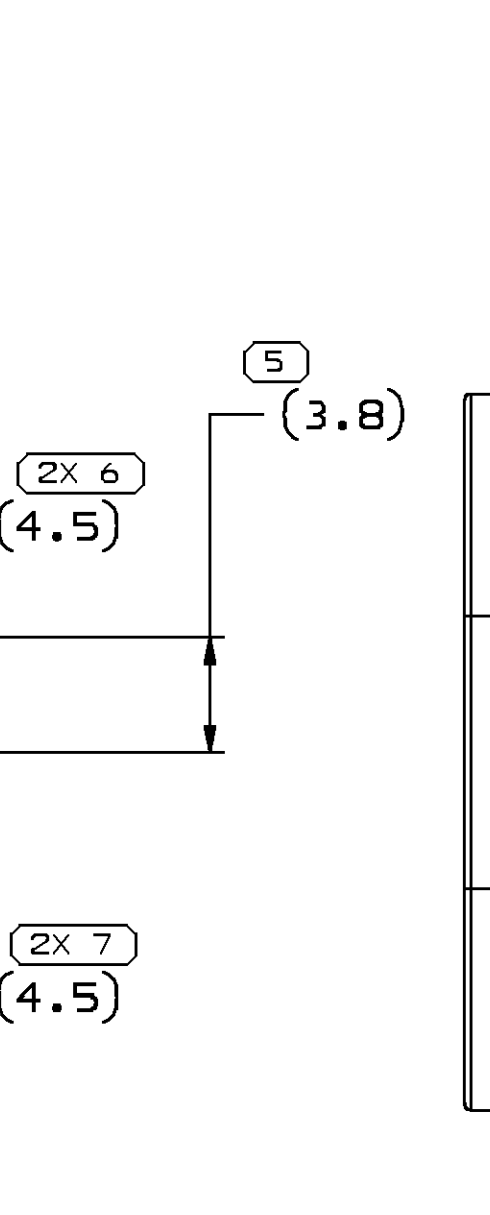
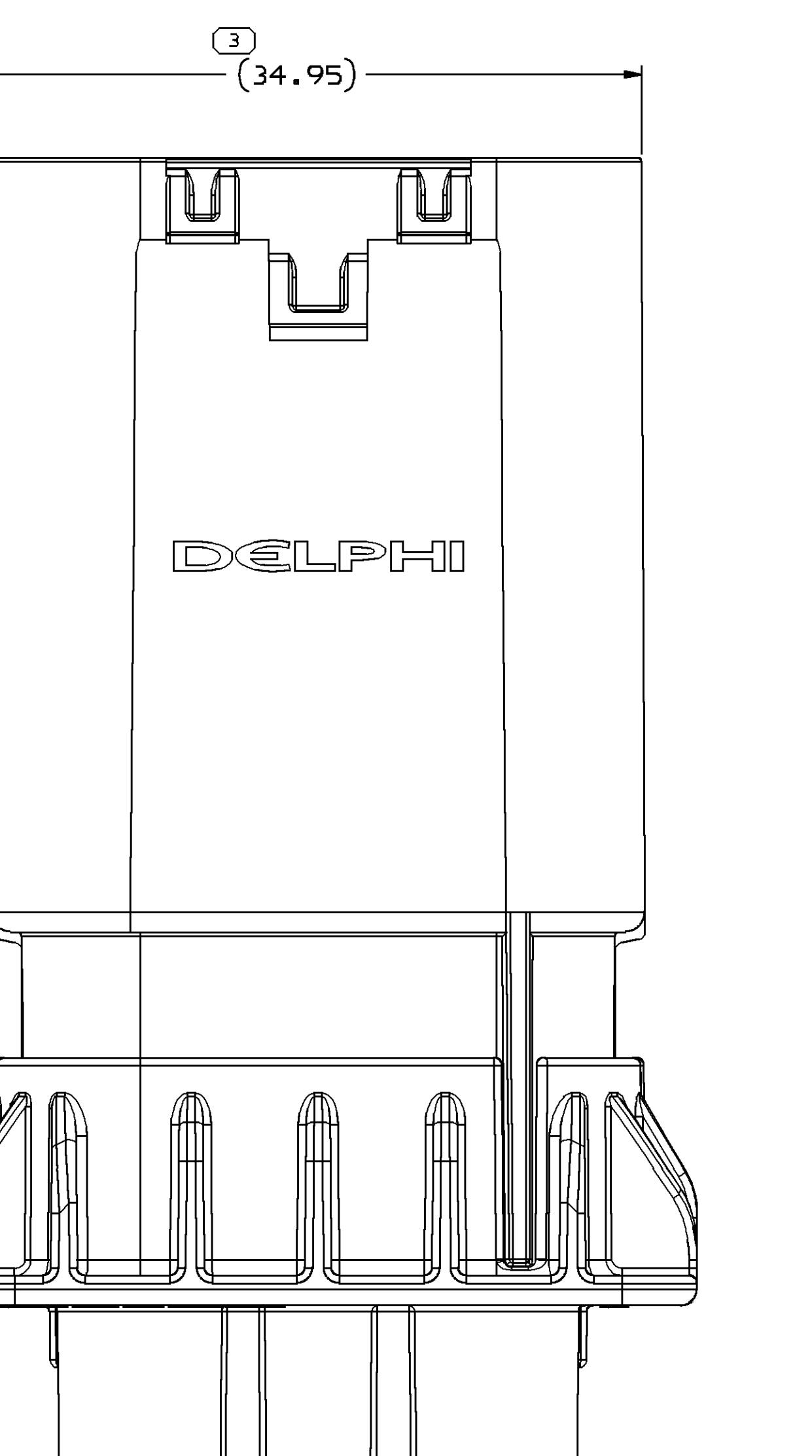
DELPHI HES 2.4 TERMINAL - 13783284 OR EQUIVALENT WITH GOLD PLATED INTERFACE FOR POWER CIRCUITS.
DELPHI HES 1.0 TERMINAL - 13711545 OR EQUIVALENT WITH GOLD PLATED INTERFACE FOR SIGNAL CIRCUITS.

- 25A CONTINUOUS CURRENT APPLICATIONS REQUIRE 5.0 - 6.0 mm² COPPER CONDUCTORS ON THE 2.4 TERMINALS.
- GOLD PLATED TERMINAL INTERFACES ARE REQUIRED TO MEET USCAR-2 CONNECTOR ELECTRICAL CRITERIA.
- TERMINAL TEMPERATURES NEED TO BE MEASURED IN THE APPLICATION TO INSURE THE FOLLOWING:
 - TERMINAL TEMPERATURE RISE OVER AMBIENT IS ≤30°C AT MAXIMUM CONTINUOUS CURRENT.
 - TERMINAL TEMPERATURE (AMBIENT + RISE) IS ≤125°C AT MAXIMUM CONTINUOUS CURRENT AND MAXIMUM AMBIENT.
- ELECTRIC VEHICLE CHARGING APPLICATIONS REQUIRE WIRE TO TERMINAL INTERFACE RESISTANCE ≤0.2 mΩ/m.

- SOLDERED CRIMPS ARE RECOMMENDED.

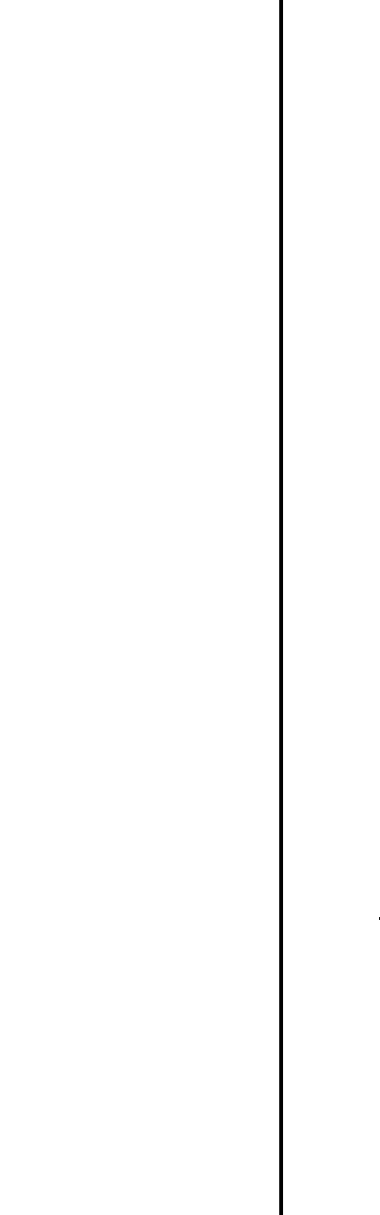
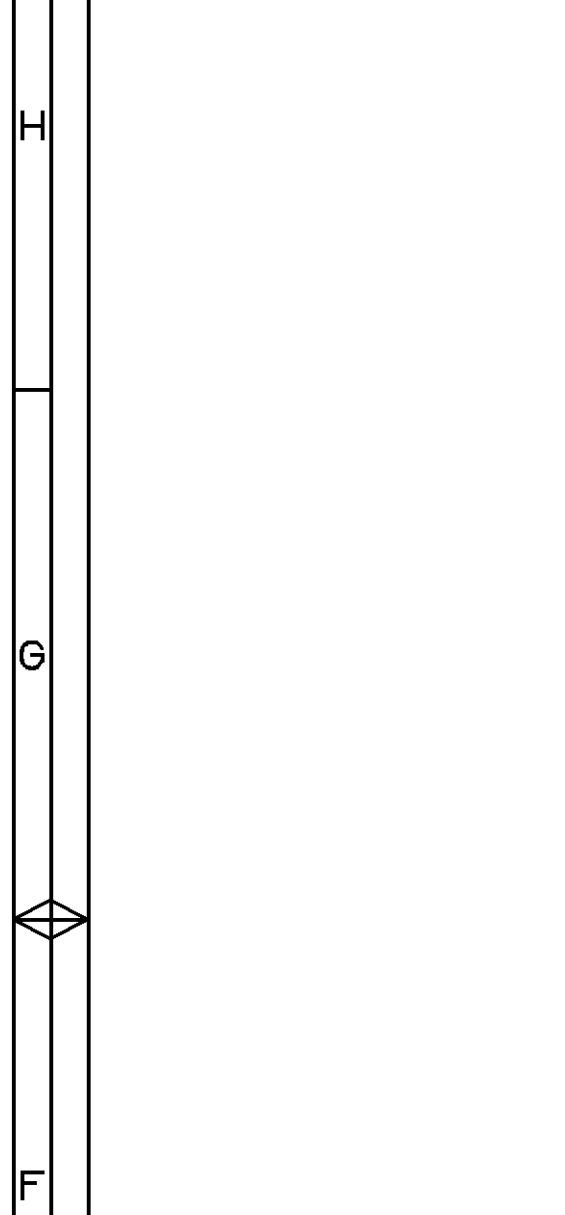
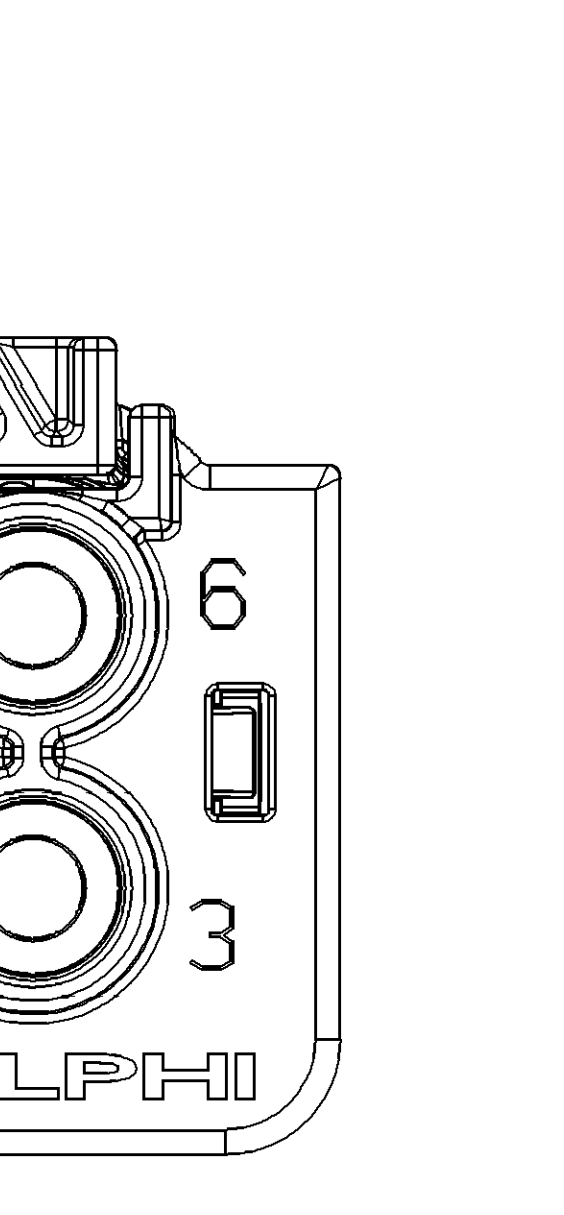
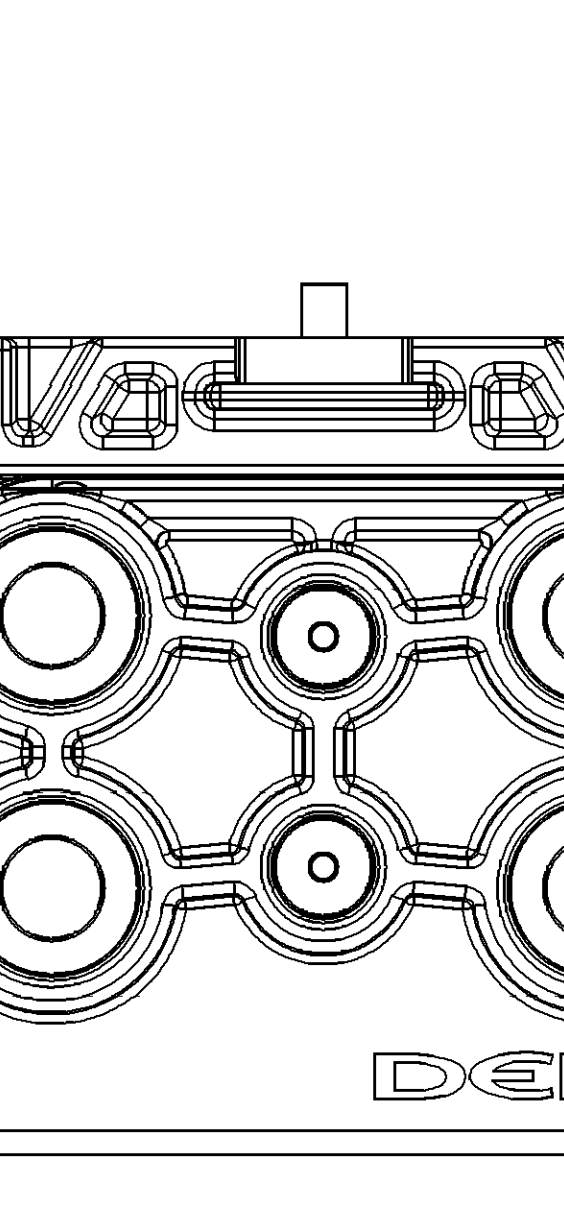
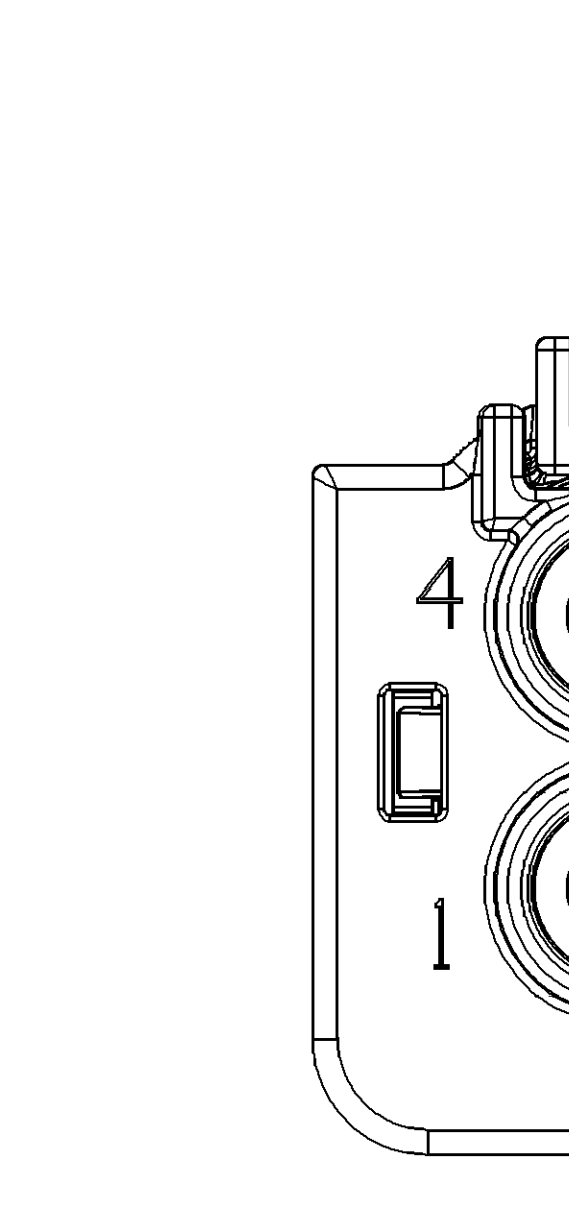
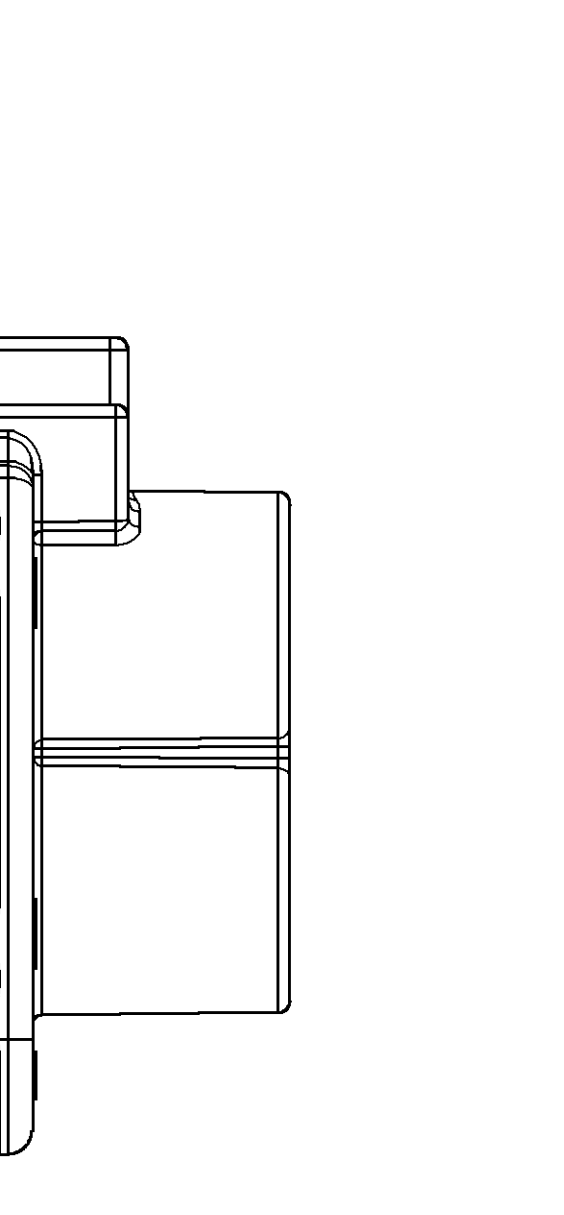
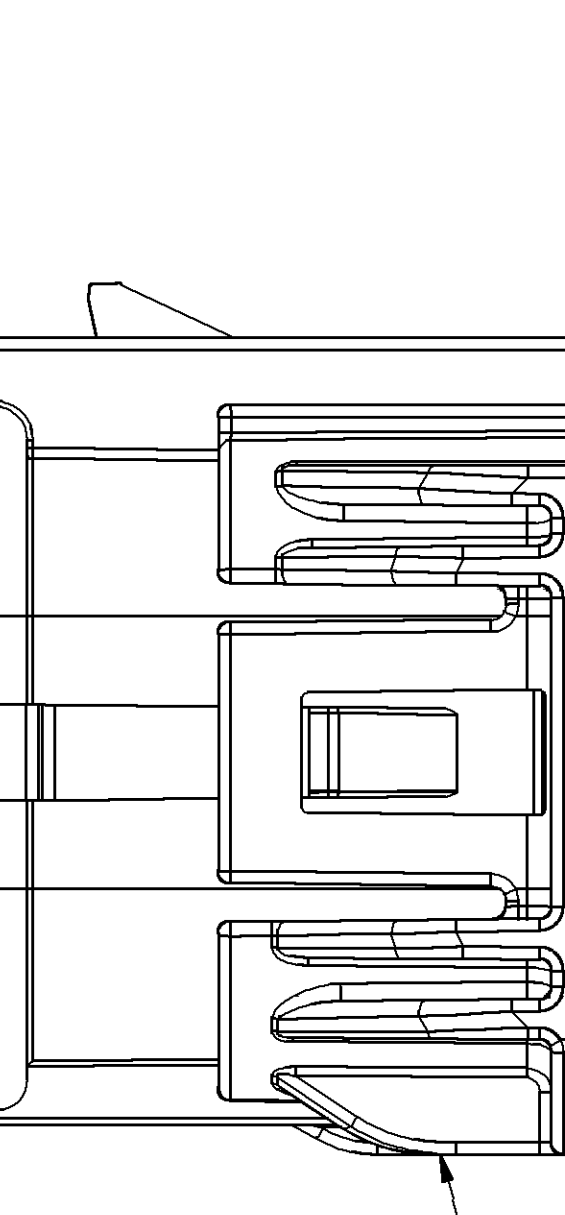
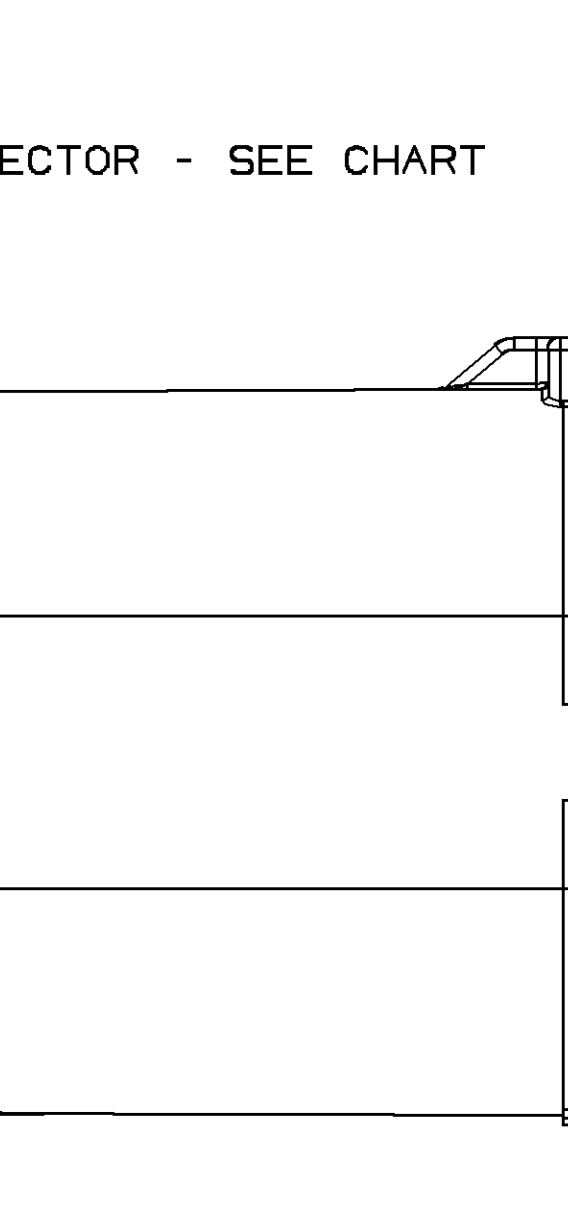
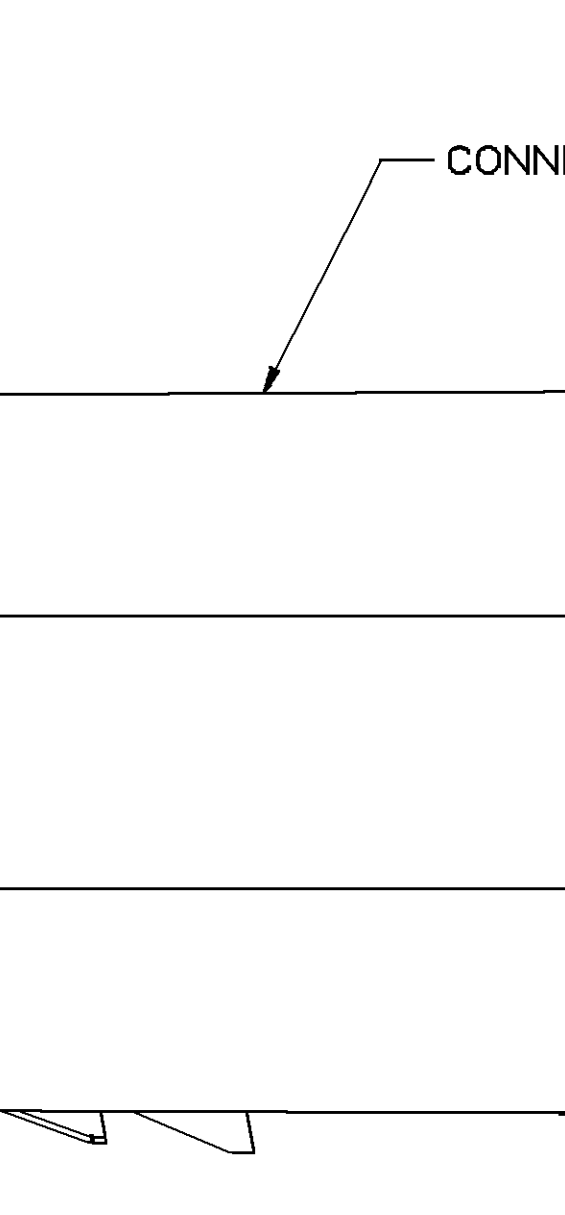
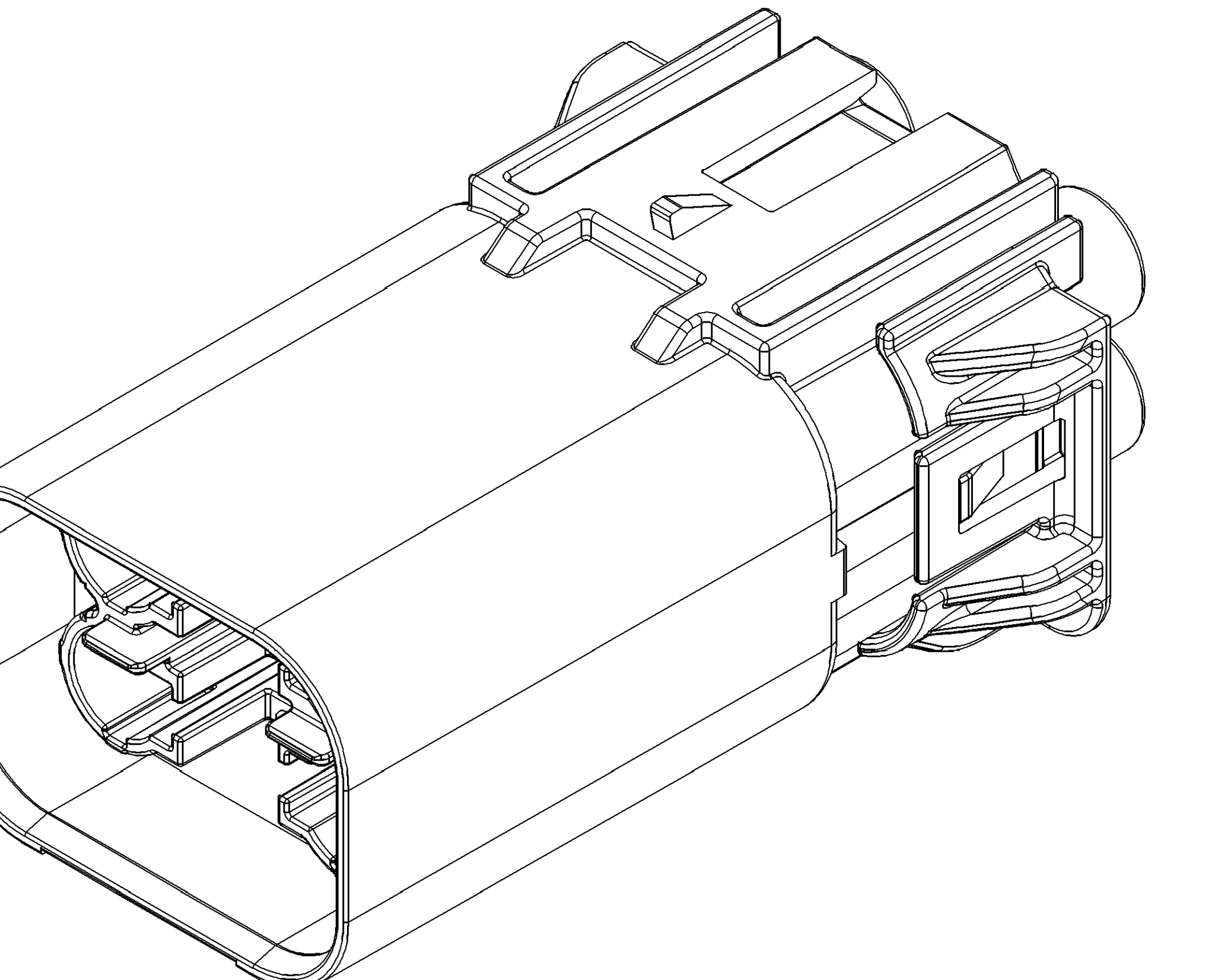


TYPE 101

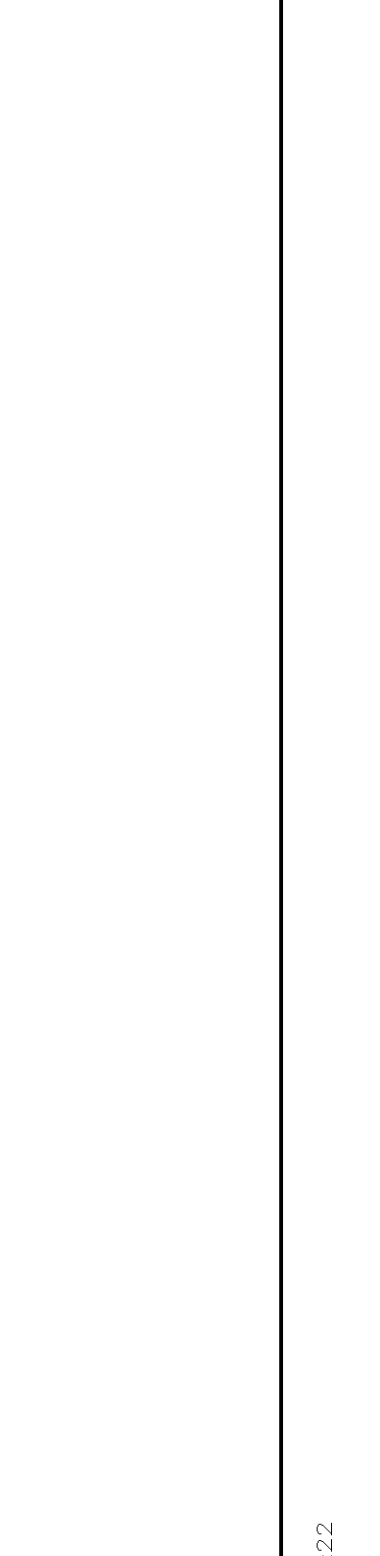
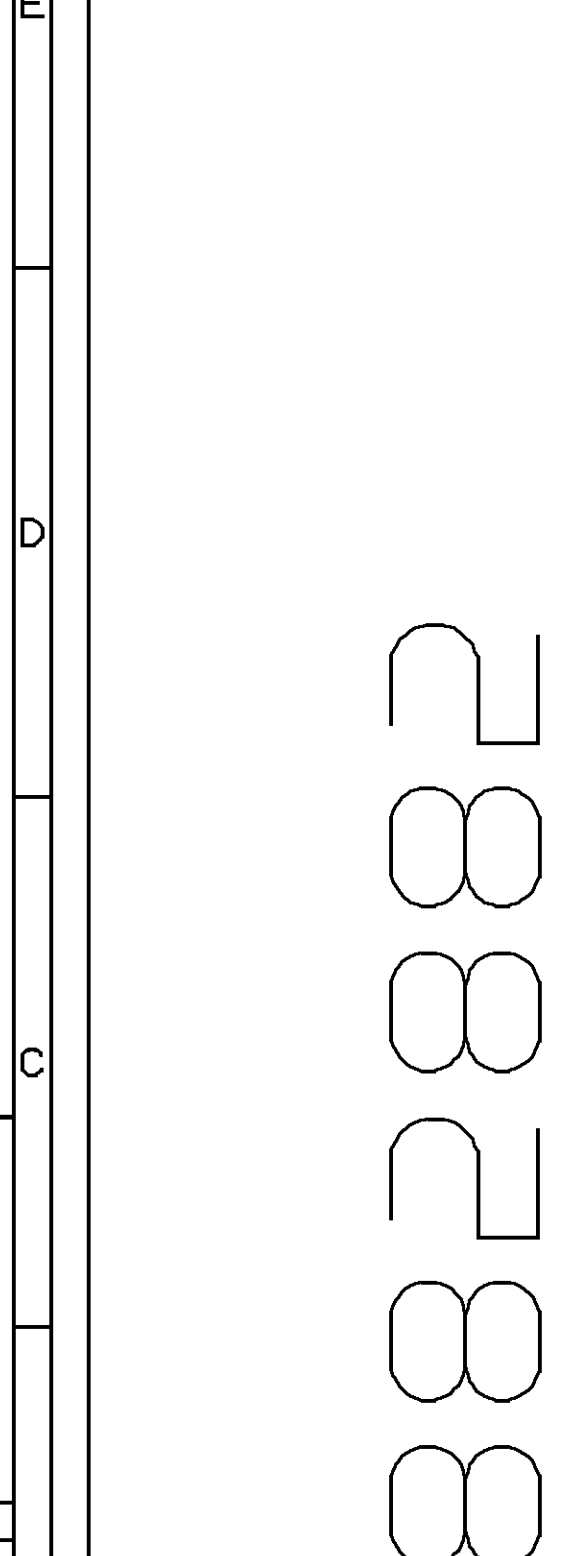
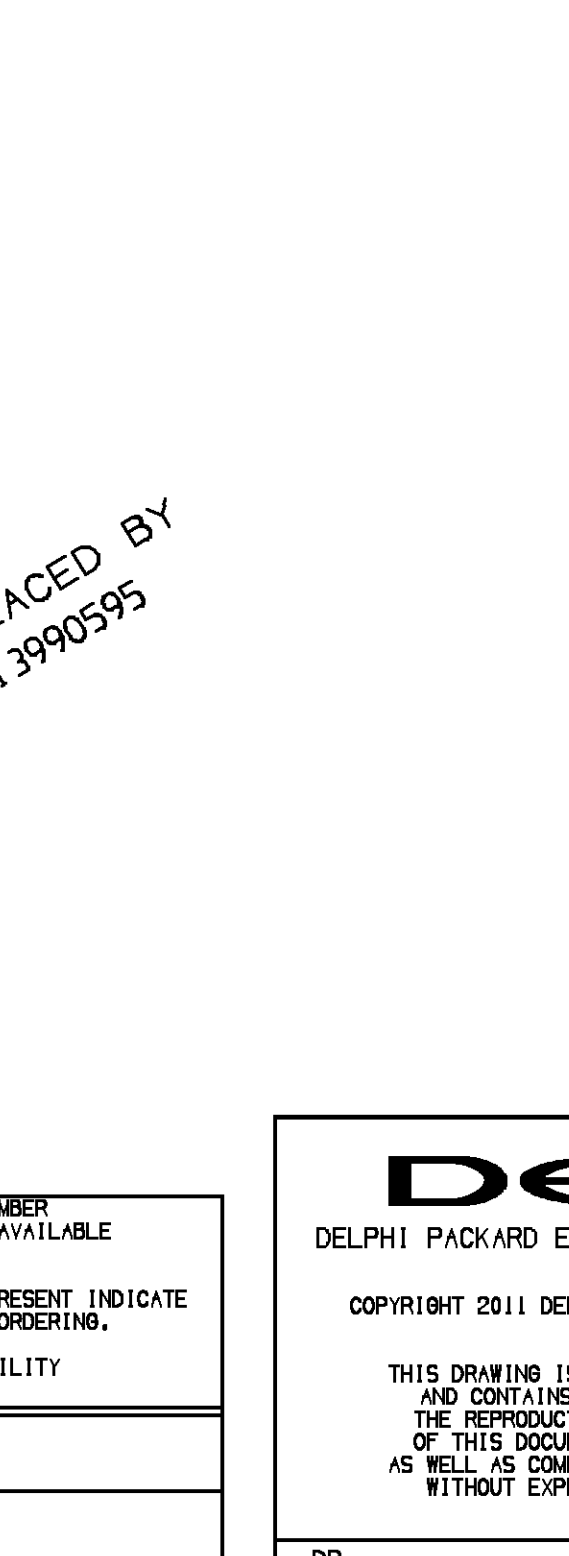
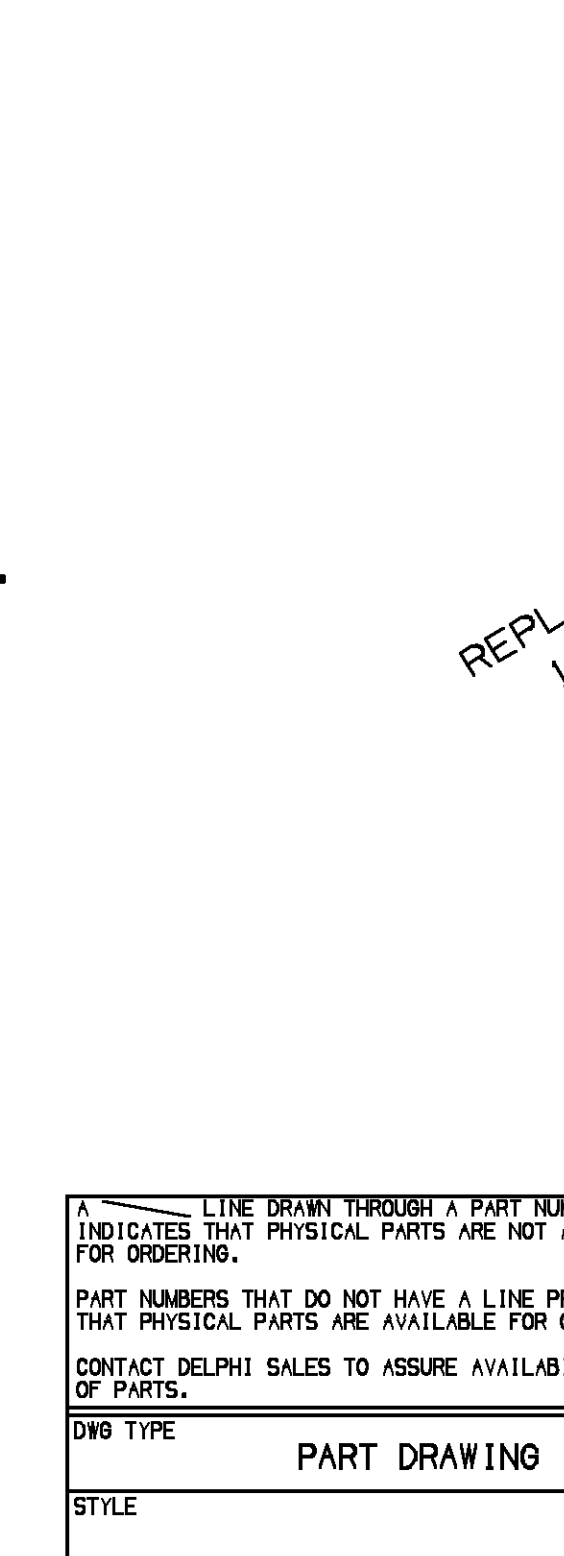
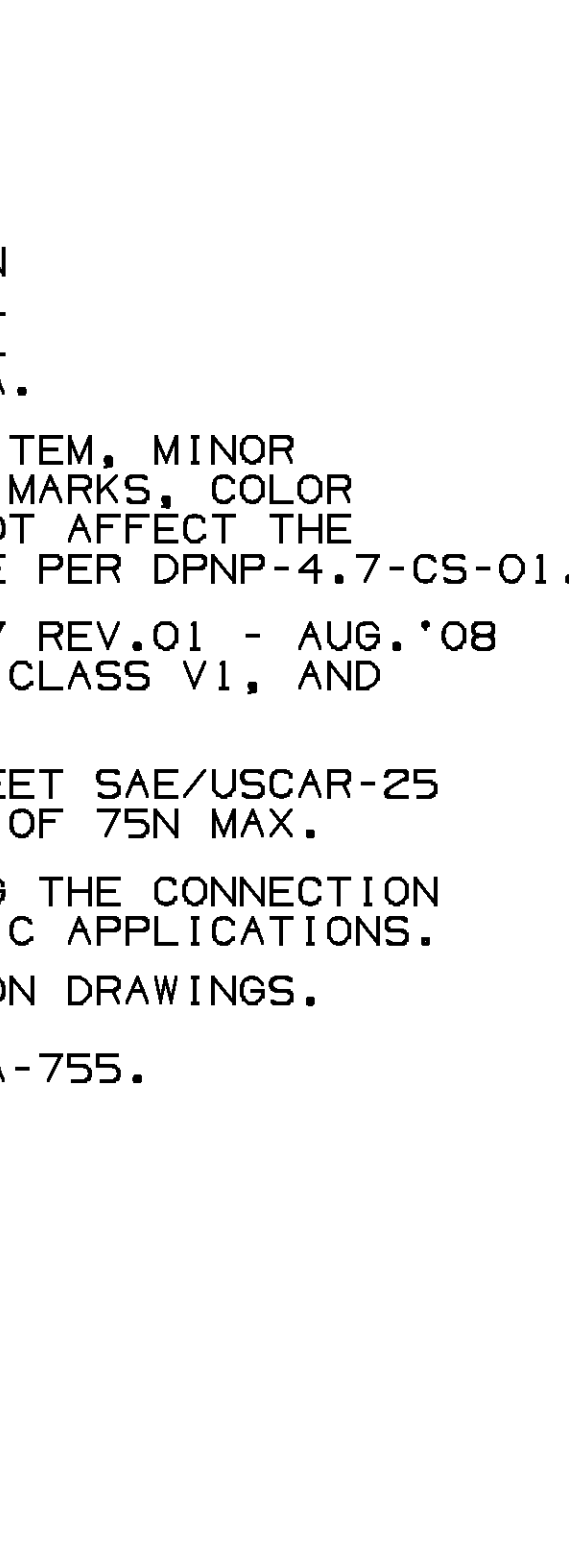
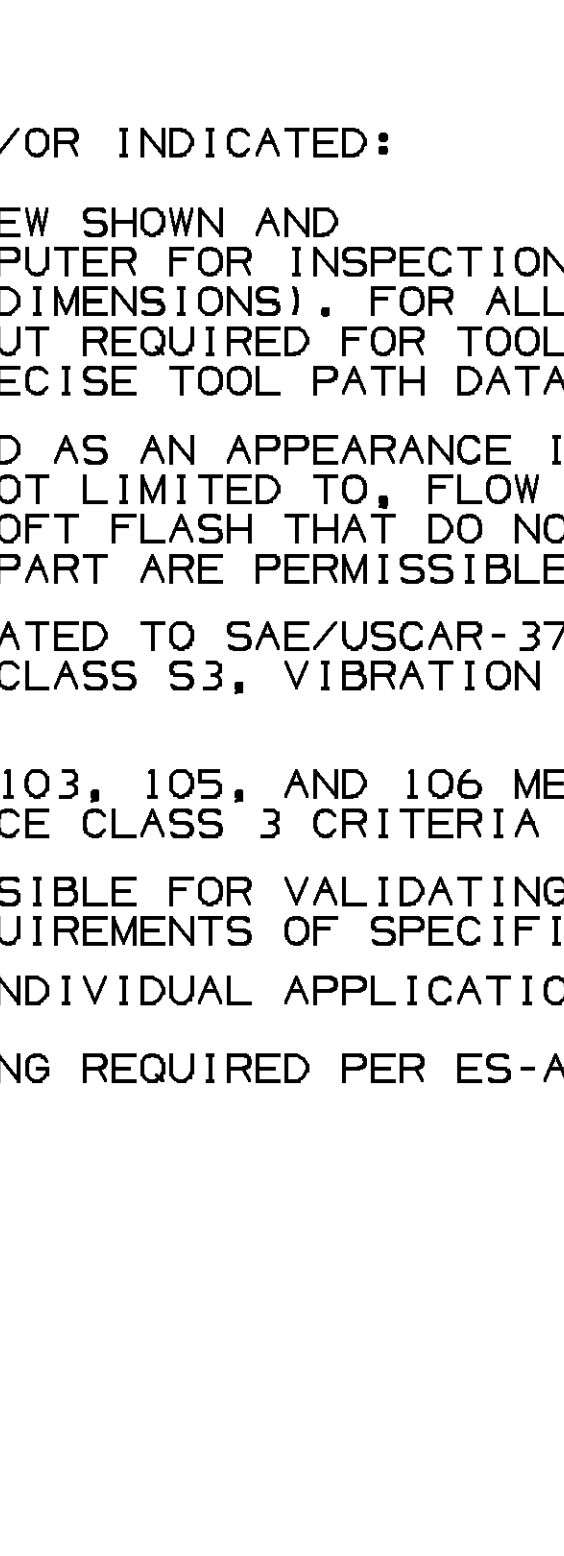
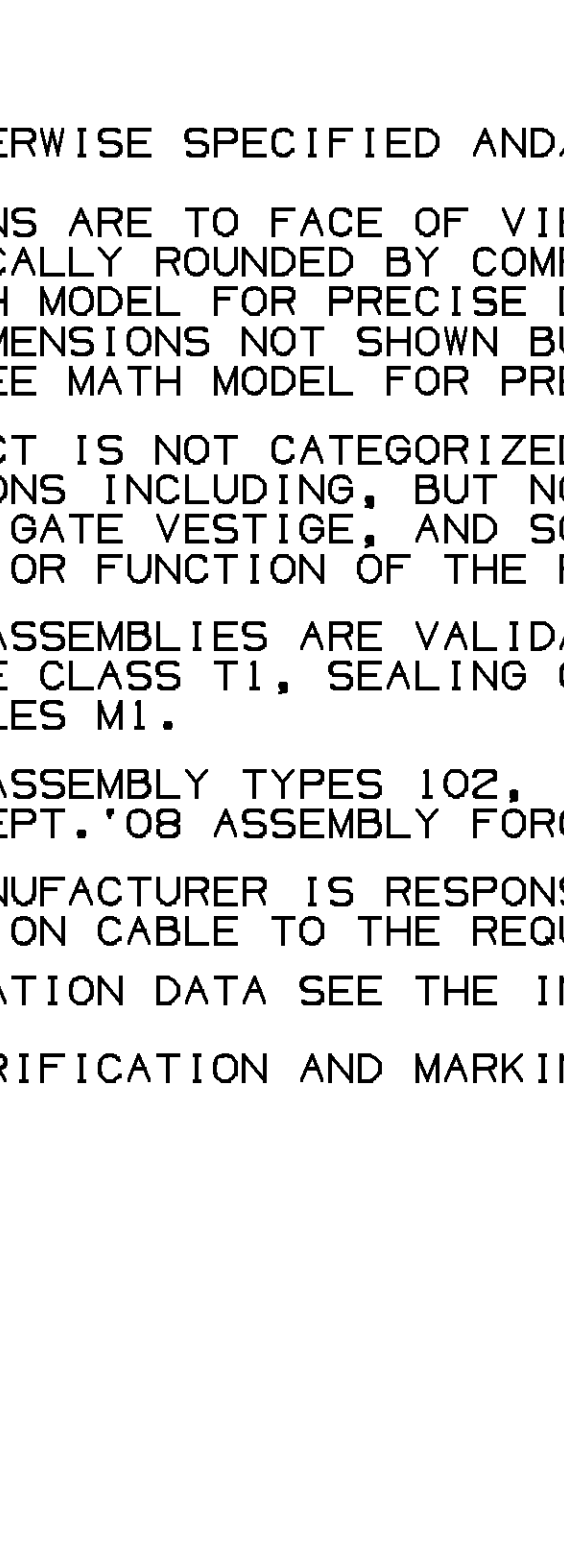
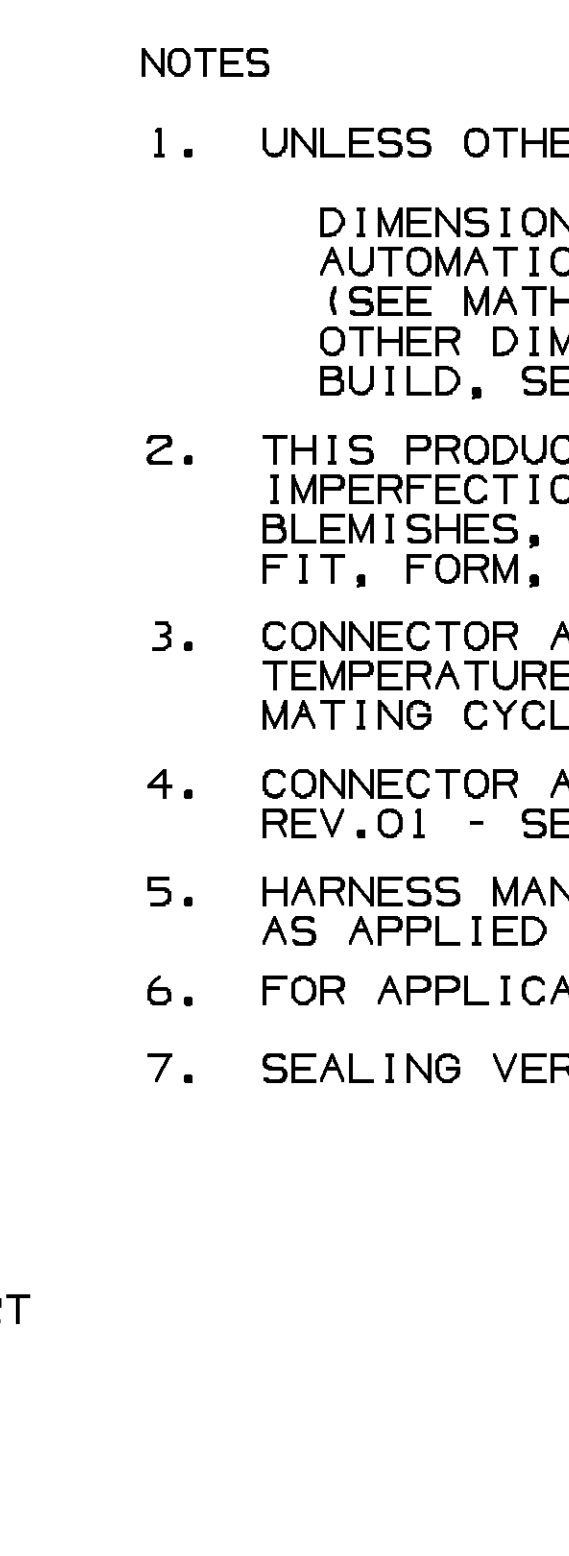
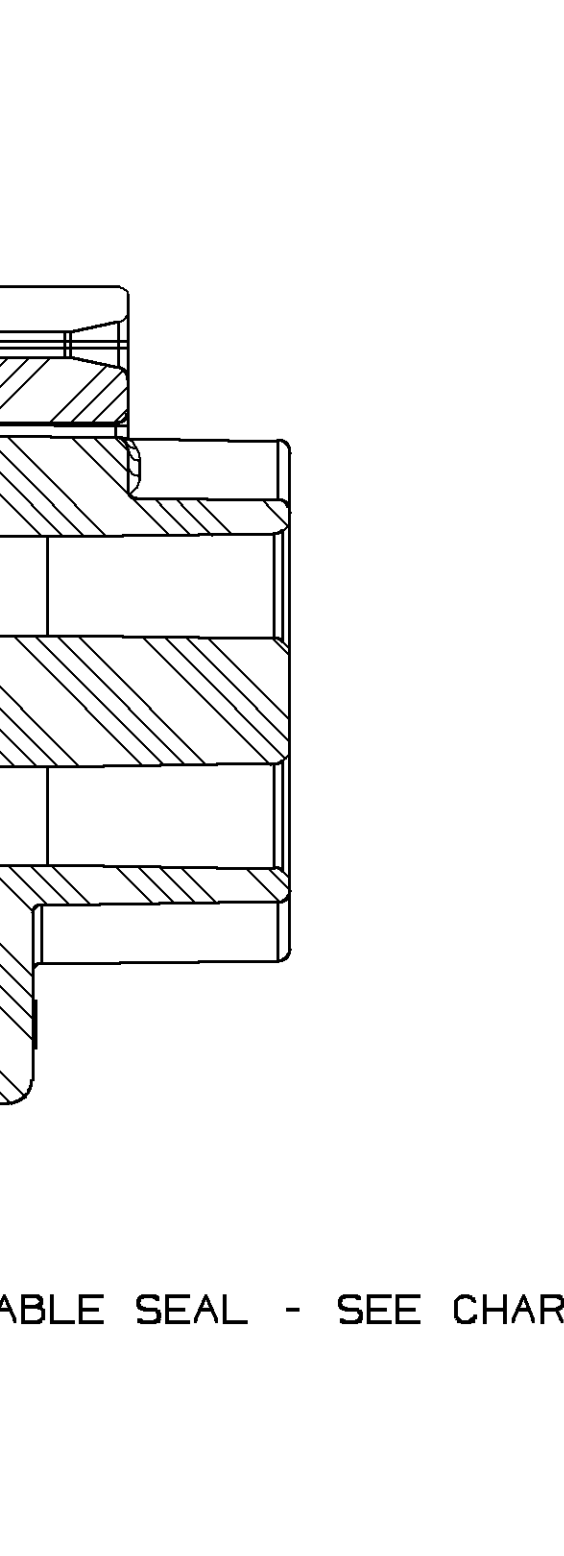
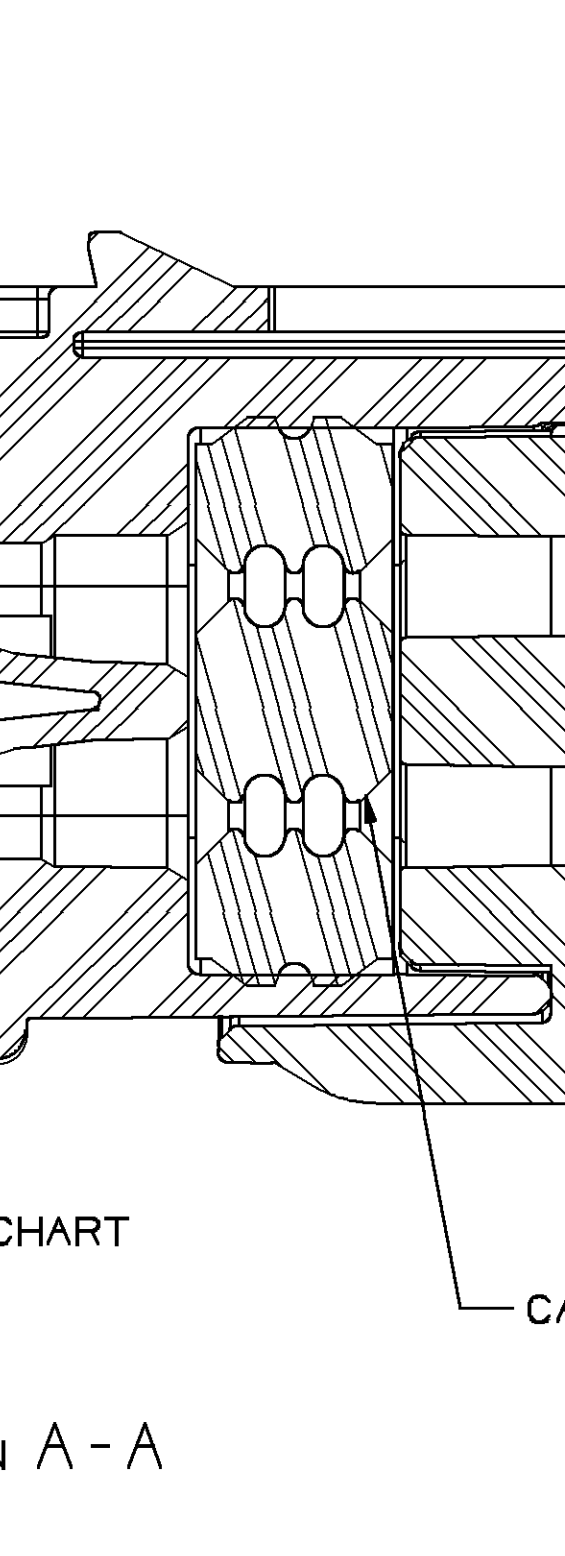
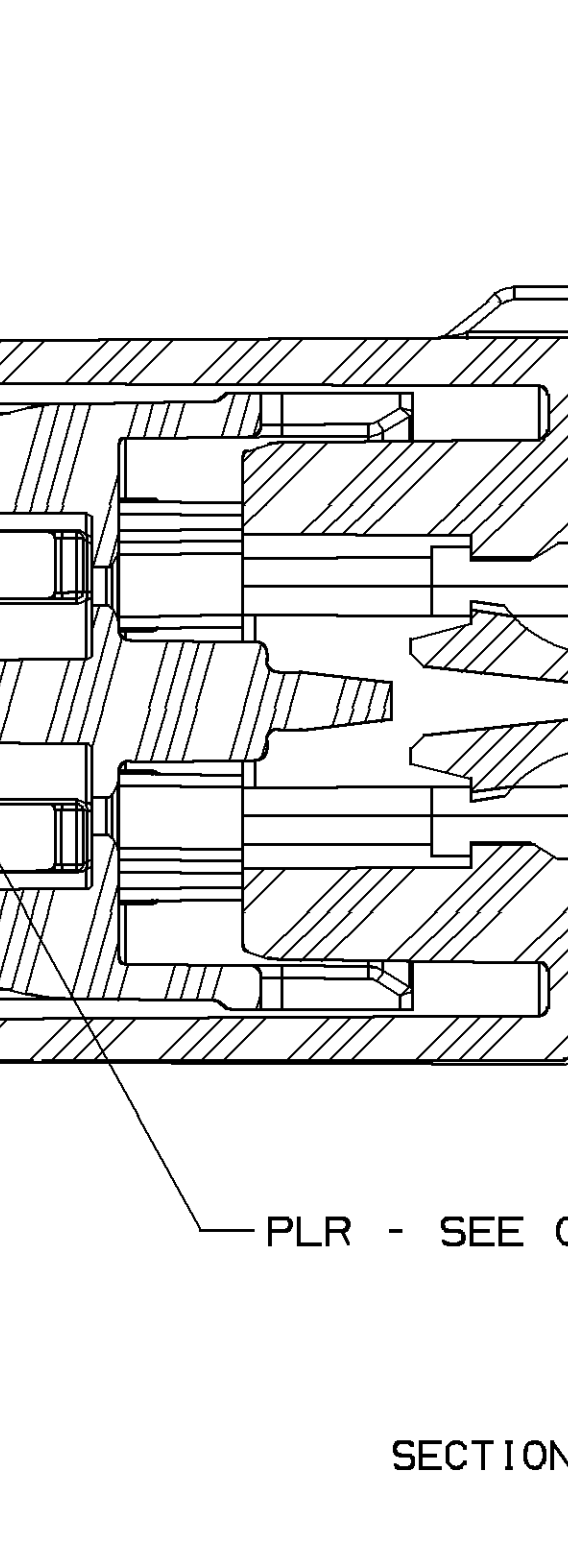
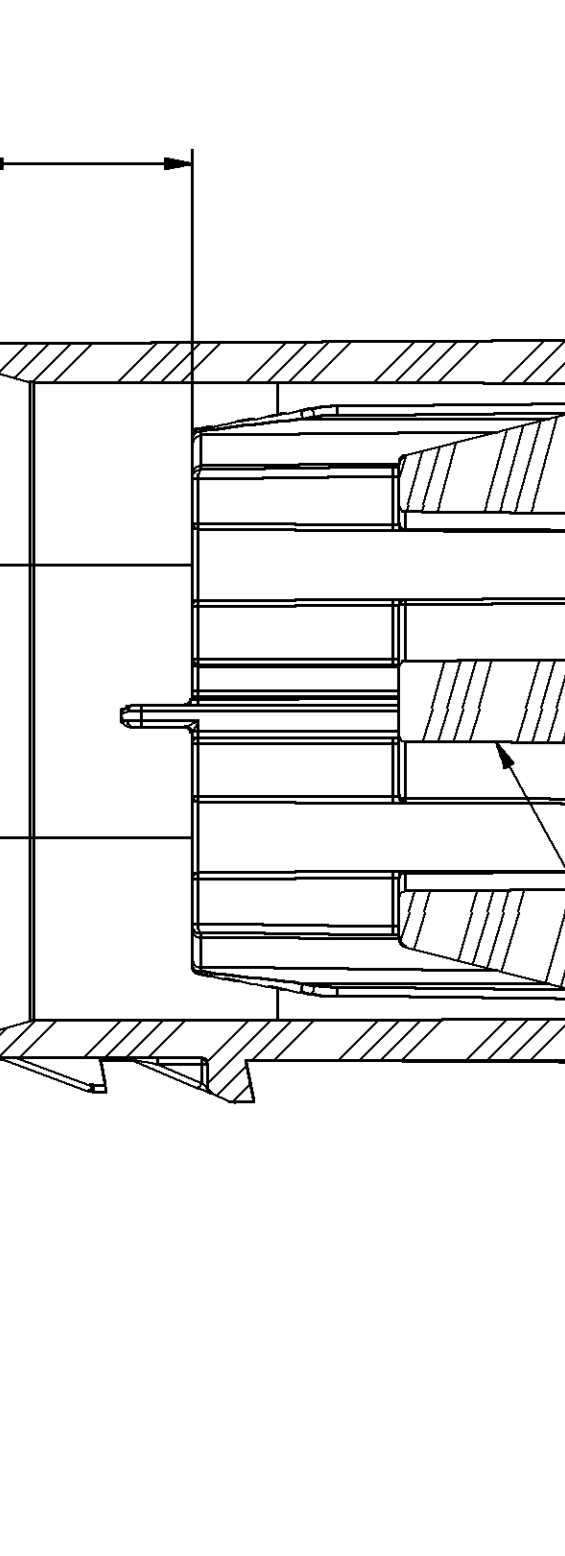


SYMBOL DEFINITION	
A	DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING.

MISSING SYMBOLS	
TOTAL NO. OF INSPECTIONS REQUIRED	15
LAST NO. USED	11



- UNLESS OTHERWISE SPECIFIED AND/OR INDICATED:
 - DIMENSIONS ARE TO FACE OF VIEW SHOWN AND AUTOMATICALLY ROUNDED BY COMPUTER FOR INSPECTION (SEE MATH MODEL FOR PRECISE DIMENSIONS). FOR ALL OTHER DIMENSIONS NOT SHOWN BUT REQUIRED FOR TOOL BUILD, SEE MATH MODEL FOR PRECISE TOOL PATH DATA.
- THIS PRODUCT IS NOT CATEGORIZED AS AN APPEARANCE ITEM. MINOR IMPERFECTIONS INCLUDING, BUT NOT LIMITED TO, FLOW MARKS, COLOR BLEMISHES, GATE VESTIGES, AND SOFT FLASH THAT DO NOT AFFECT THE FIT, FORM, OR FUNCTION OF THE PART ARE PERMISSIBLE PER DNP-4.7-CS-01.
- CONNECTOR ASSEMBLIES ARE VALIDATED TO SAE/USCAR-37 REV.01 - AUG.'08 TEMPERATURE CLASS T1, SEALING CLASS S3, VIBRATION CLASS V1, AND MATING CYCLES M1.
- CONNECTOR ASSEMBLY TYPES 102, 103, 105, AND 106 MEET SAE/USCAR-25 REV.01 - SEPT.'08 ASSEMBLY FORCE CLASS 3 CRITERIA OF 75N MAX.
- HARNESS MANUFACTURER IS RESPONSIBLE FOR VALIDATING THE CONNECTION AS APPLIED ON CABLE TO THE REQUIREMENTS OF SPECIFIC APPLICATIONS.
- FOR APPLICATION DATA SEE THE INDIVIDUAL APPLICATION DRAWINGS.
- SEALING VERIFICATION AND MARKING REQUIRED PER ES-A-755.



REV	NO	REV	N/P	TYPE	CONNECTOR	PLR	STRAIN RELIEF	CABLE SEAL	BLOCKED CAVITIES	MATING CONN. ASM
1	3885885									

DATE	STATUS	REV	NO	REV	N/P	TYPE	CONNECTOR	PLR	STRAIN RELIEF	CABLE SEAL	BLOCKED CAVITIES	MATING CONN. ASM
2011-01-11	R	01	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	02	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	03	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	04	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	05	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	06	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	07	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	08	-	-	-	-	-	-	-	-	-	-

DATE	STATUS	REV	NO	REV	N/P	TYPE	CONNECTOR	PLR	STRAIN RELIEF	CABLE SEAL	BLOCKED CAVITIES	MATING CONN. ASM
2011-01-11	R	01	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	02	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	03	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	04	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	05	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	06	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	07	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	08	-	-	-	-	-	-	-	-	-	-

DATE	STATUS	REV	NO	REV	N/P	TYPE	CONNECTOR	PLR	STRAIN RELIEF	CABLE SEAL	BLOCKED CAVITIES	MATING CONN. ASM
2011-01-11	R	01	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	02	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	03	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	04	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	05	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	06	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	07	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	08	-	-	-	-	-	-	-	-	-	-

DATE	STATUS	REV	NO	REV	N/P	TYPE	CONNECTOR	PLR	STRAIN RELIEF	CABLE SEAL	BLOCKED CAVITIES	MATING CONN. ASM
2011-01-11	R	01	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	02	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	03	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	04	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	05	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	06	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	07	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	08	-	-	-	-	-	-	-	-	-	-

DATE	STATUS	REV	NO	REV	N/P	TYPE	CONNECTOR	PLR	STRAIN RELIEF	CABLE SEAL	BLOCKED CAVITIES	MATING CONN. ASM
2011-01-11	R	01	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	02	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	03	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	04	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	05	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	06	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	07	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	08	-	-	-	-	-	-	-	-	-	-

DATE	STATUS	REV	NO	REV	N/P	TYPE	CONNECTOR	PLR	STRAIN RELIEF	CABLE SEAL	BLOCKED CAVITIES	MATING CONN. ASM
2011-01-11	R	01	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	02	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	03	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	04	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	05	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	06	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	07	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	08	-	-	-	-	-	-	-	-	-	-

DATE	STATUS	REV	NO	REV	N/P	TYPE	CONNECTOR	PLR	STRAIN RELIEF	CABLE SEAL	BLOCKED CAVITIES	MATING CONN. ASM
2011-01-11	R	01	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	02	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	03	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	04	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	05	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	06	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	07	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	08	-	-	-	-	-	-	-	-	-	-

DATE	STATUS	REV	NO	REV	N/P	TYPE	CONNECTOR	PLR	STRAIN RELIEF	CABLE SEAL	BLOCKED CAVITIES	MATING CONN. ASM
2011-01-11	R	01	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	02	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	03	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	04	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	05	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	06	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	07	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	08	-	-	-	-	-	-	-	-	-	-

DATE	STATUS	REV	NO	REV	N/P	TYPE	CONNECTOR	PLR	STRAIN RELIEF	CABLE SEAL	BLOCKED CAVITIES	MATING CONN. ASM
2011-01-11	R	01	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	02	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	03	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	04	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	05	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	06	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	07	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	08	-	-	-	-	-	-	-	-	-	-

DATE	STATUS	REV	NO	REV	N/P	TYPE	CONNECTOR	PLR	STRAIN RELIEF	CABLE SEAL	BLOCKED CAVITIES	MATING CONN. ASM
2011-01-11	R	01	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	02	-	-	-	-	-	-	-	-	-	-
2011-01-11	R	03	-	-	-							