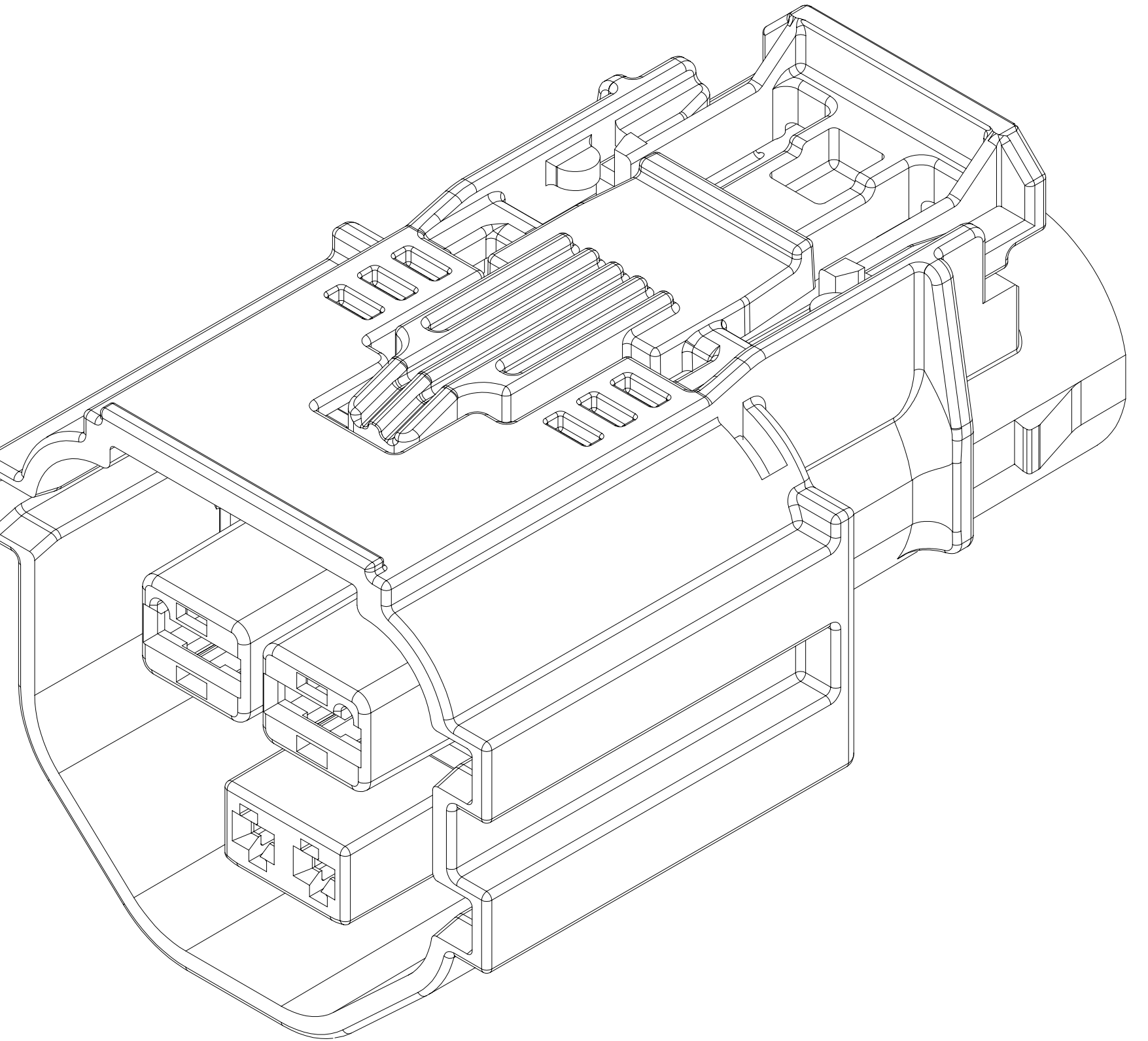
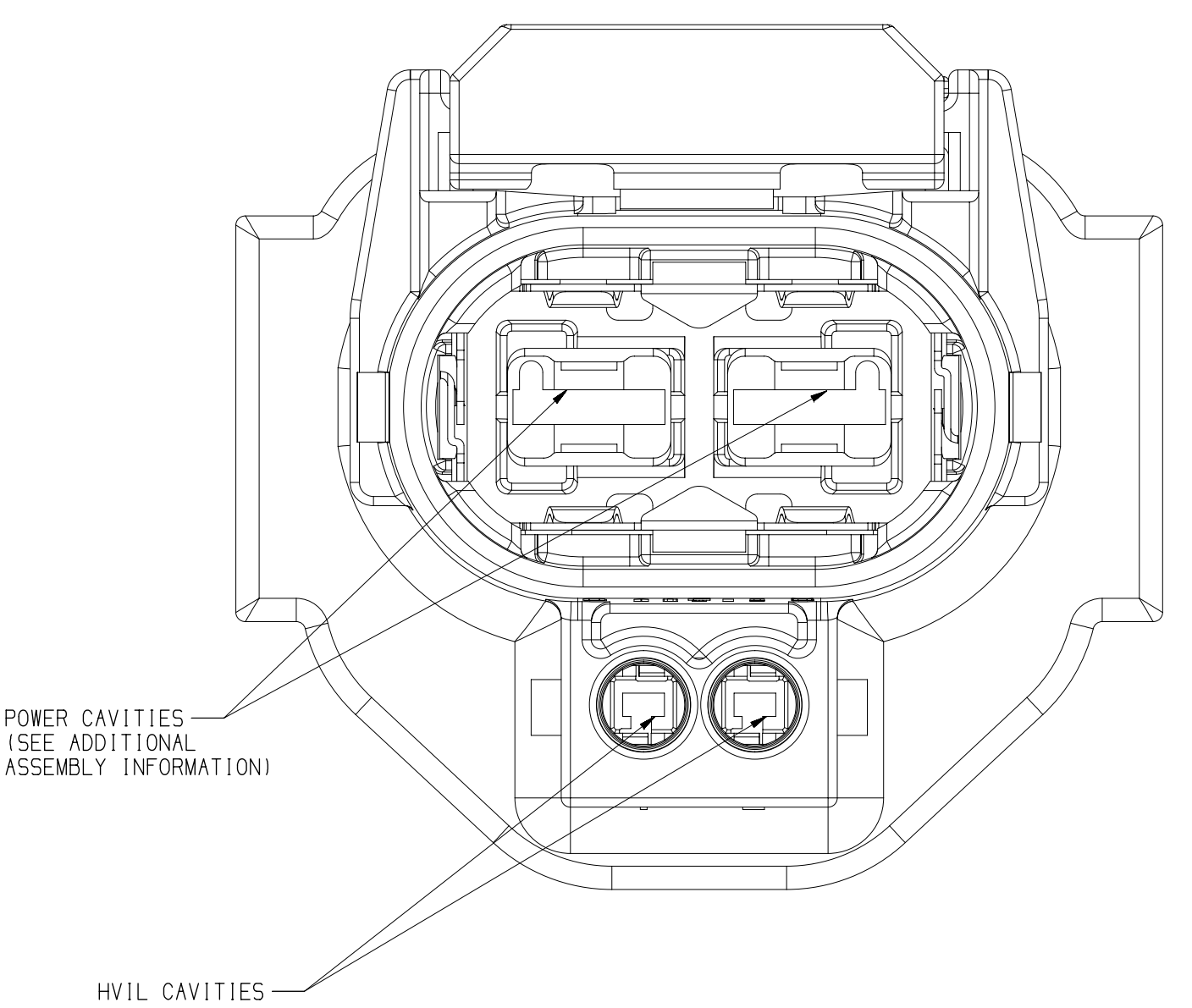
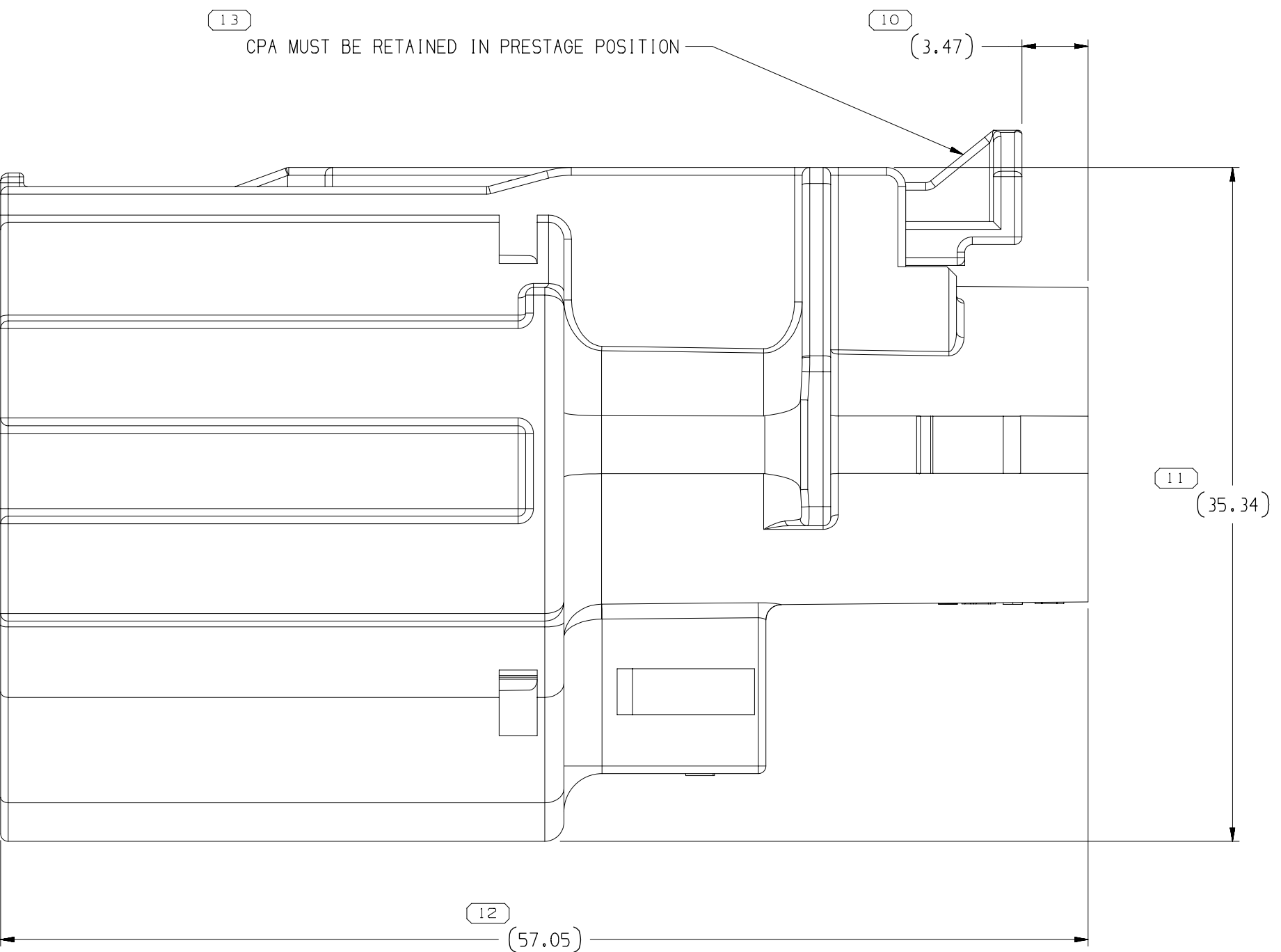
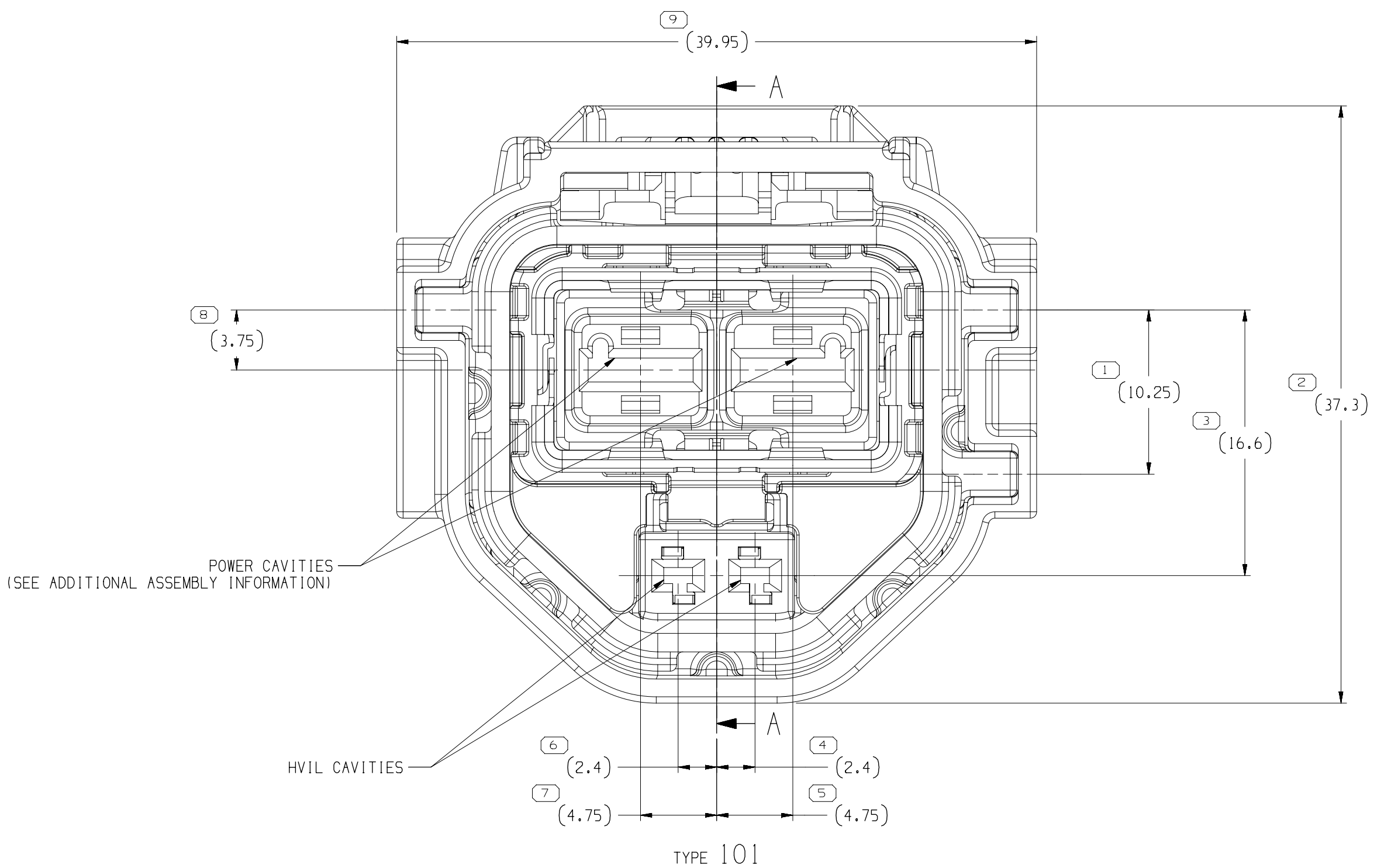
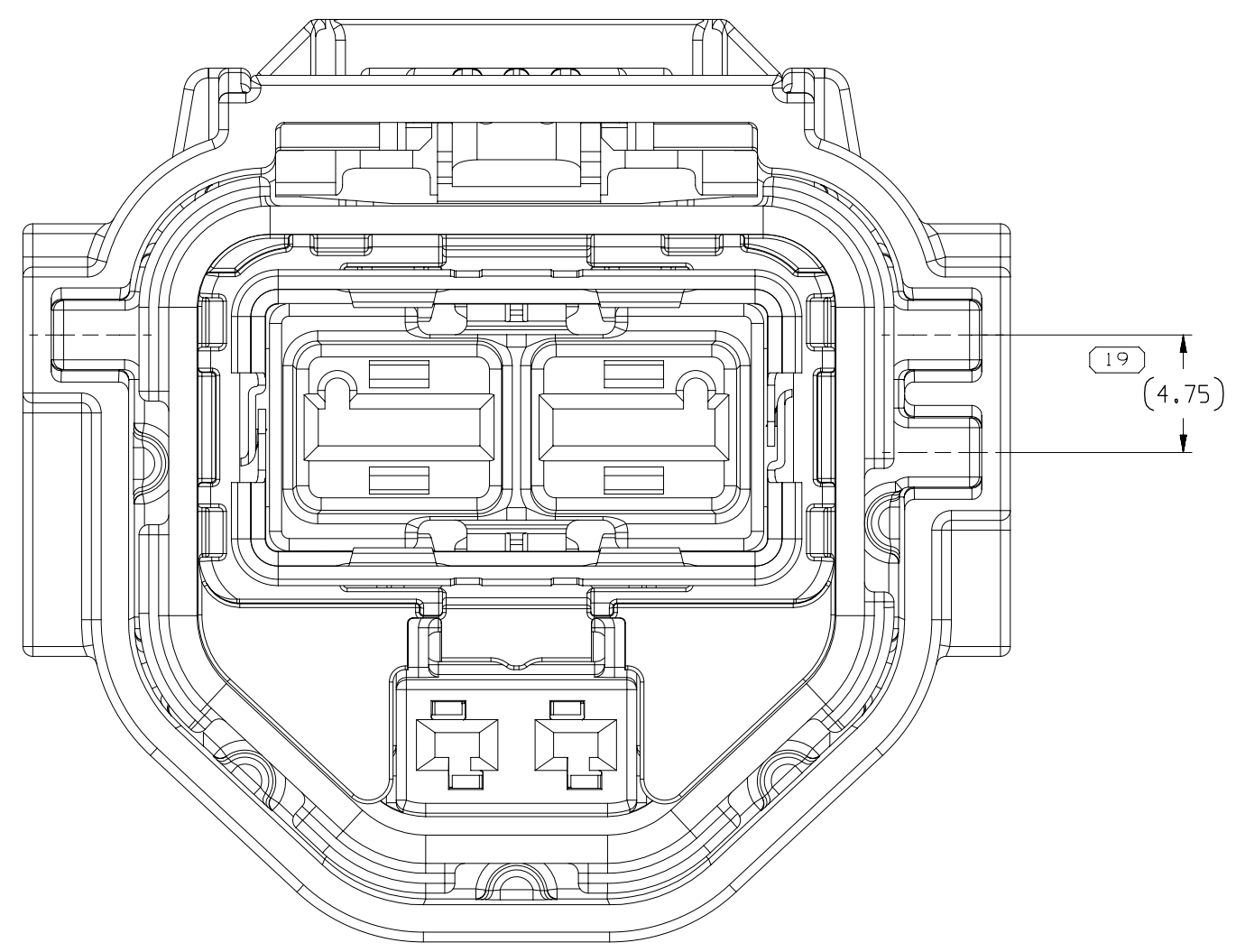


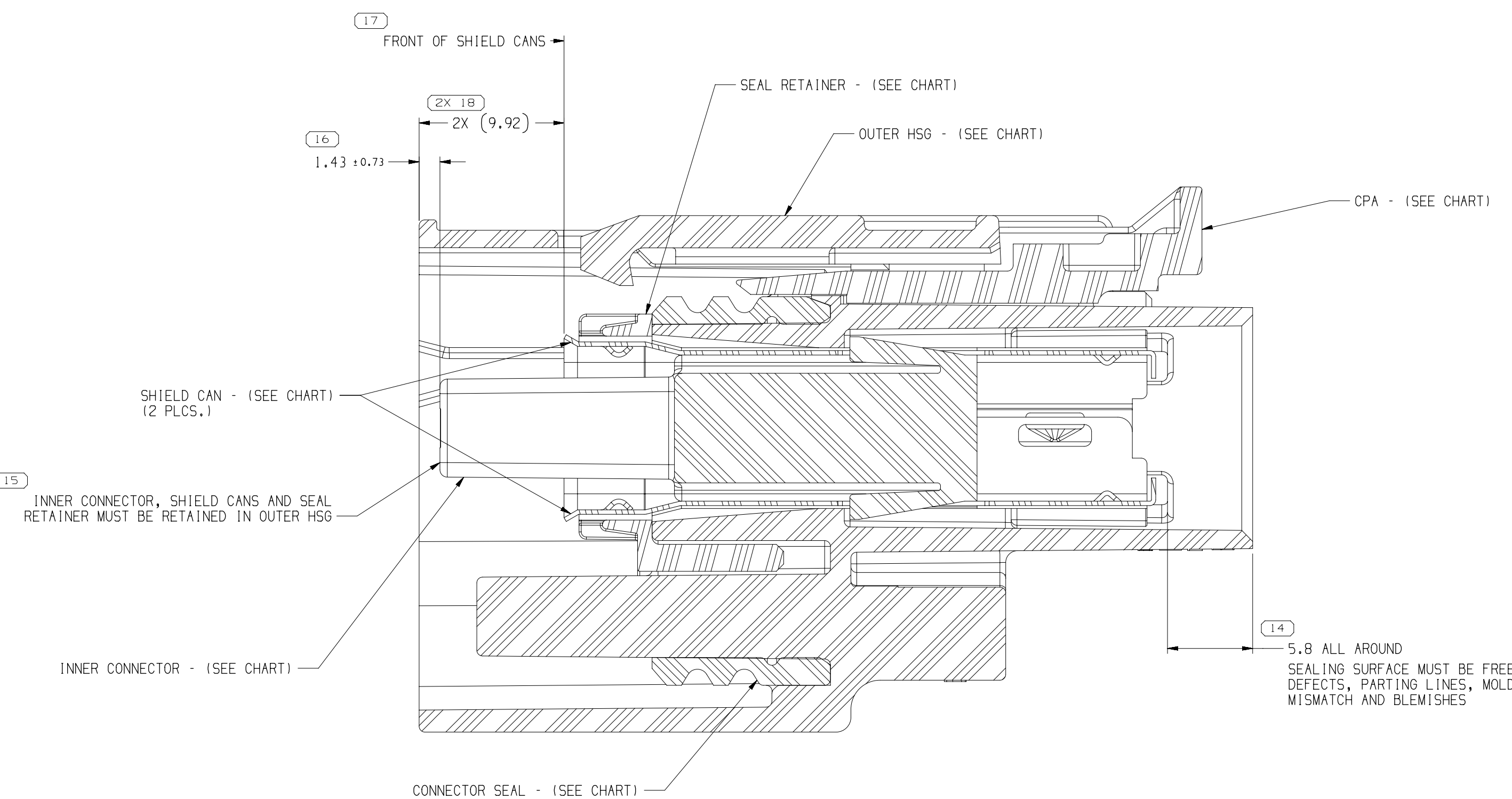
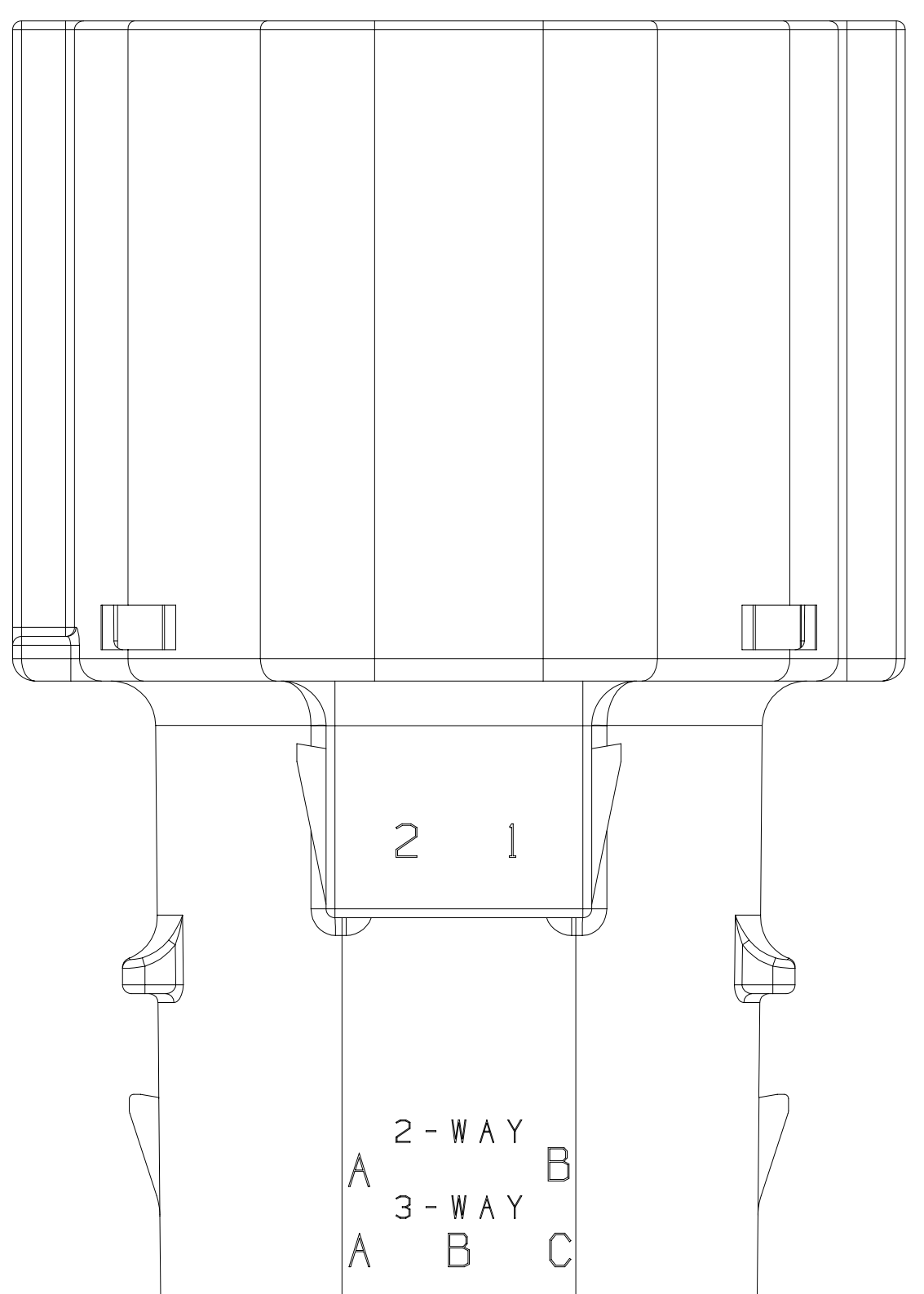
TYPE 103  
SAME AS TYPE 101  
EXCEPT AS SHOWN



- NOTES
- 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.
  - FOR APPLICATION DATA SEE THE INDIVIDUAL APPLICATION DRAWINGS.
  - THIS PRODUCT IS NOT CATEGORIZED AS AN APPEARANCE ITEM. MINOR  
IMPERFECTIONS INCLUDING, BUT NOT LIMITED TO, FLOW MARKS, COLOR  
BLEMISHES, GATE VESTIGE, AND SOFT FLASH THAT DO NOT AFFECT THE  
FIT, FORM, OR FUNCTION OF THE PART ARE PERMISSIBLE PER ENP-4-3-CS-01-EN.
  - AT COMPONENT ASSEMBLY SEALING VERIFICATION IS REQUIRED  
PER ES-4-755 PROCEDURE.
  - WIRING HARNESS MANUFACTURER SHOULD PERFORM A SEAL LEAK CHECK ON  
THE CONNECTOR ASSEMBLY AFTER TERMINAL LEADS ARE ASSEMBLED TO VERIFY  
PROPER CONNECTOR SEAL AND CABLE SEAL POSITIONS.
  - ELECTRIC VEHICLE CHARGING AND OTHER HIGH DUTY CYCLE APPLICATIONS CARRYING  
250A REQUIRE THE FOLLOWING:  
- MIN 5.0 MM2 COPPER CONDUCTORS  
- TERMINAL TO CONDUCTOR INTERFACE RESISTANCES  $\leq 0.2 \text{ m}\Omega\text{ms}(\text{m}\Omega)$ . SOLDERED  
CRIMPS ARE RECOMMENDED.  
- TERMINAL TEMPERATURES NEED TO BE MEASURED IN THE VEHICLE APPLICATION  
TO INSURE T-RISE OVER AMBIENT IS  $< 75 \text{ DEG C}$  AT MAXIMUM CONTINUOUS CURRENT.
  - REFERENCE MANUAL 35500-258 FOR ASSEMBLY/DISASSEMBLY INFORMATION.
  - FOR ADDITIONAL CABLE AND COMPONENTS INFORMATION SEE SHT 2.
  - ALL LISTED ASSEMBLIES VALIDATED TO SAE/USCAR-2 R6: 2013-02;  
SAE/USCAR-37: 2008-08 AUG 2008 (T1, V1, S1, 1000V)
  - HARNESS MANUFACTURER IS RESPONSIBLE FOR VALIDATING THE CONNECTION AS  
APPLIED ON CABLE TO THE REQUIREMENTS OF SPECIFIC APPLICATION.
  - CONNECTOR DESIGNS PROVIDE THE FOLLOWING MINIMUM CREEPAGE  
DISTANCES WHEN MATED, AS ASSESSED PER IEC60664-1 WITH  
POLLUTION DEGREE 2 OR 3:  
- CAVITIES A TO SHIELD OR B TO SHIELD : 15 MM  
- CAVITIES A TO B : 30 MM
  - OUTER HOUSINGS USED IN THESE ASSEMBLIES ARE REVISION 02,  
WITH CHAMFER AT DIM 226 CHANGED TO 0.4 MM.



TYPE 102  
SAME AS TYPE 101  
EXCEPT AS SHOWN



SECTION A - A

DRAWING NUMBER  
**35578210**  
SHEET 1 OF 2  
REV 03

PART NO	REV	N/P	TYPE	OUTER HSG	INNER CONNECTOR	CONNECTOR SEAL	SEAL RETAINER	SHIELD CAN (2 PLCS.)	CPA
35578209	01	AA	103	35372317	35327280	35360579	35360693	35149967	35327279
35578208	01	AA	102	35372316	35327280	35360579	35360693	35149967	35327279
35578206	01	AA	101	35372315	35327280	35360579	35360693	35149967	35327279

SYMBOL	DEFINITION
A	DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING.
NO MISSING SYMBOL NUMBER	21
LAST NO. USED	20

DATE	STATUS	BY	CHK	ZONE
24.JUN.21	R	01	-	-
12.JUL.21	R	02	-	-
22.SEP.21	R	03	-	-

DATE	STATUS	BY	CHK	ZONE
24.JUN.21	R	01	-	-
12.JUL.21	R	02	-	-
22.SEP.21	R	03	-	-

DATE	STATUS	BY	CHK	ZONE
24.JUN.21	R	01	-	-
12.JUL.21	R	02	-	-
22.SEP.21	R	03	-	-

DATE	STATUS	BY	CHK	ZONE
24.JUN.21	R	01	-	-
12.JUL.21	R	02	-	-
22.SEP.21	R	03	-	-

DATE	STATUS	BY	CHK	ZONE
24.JUN.21	R	01	-	-
12.JUL.21	R	02	-	-
22.SEP.21	R	03	-	-

DATE	STATUS	BY	CHK	ZONE
24.JUN.21	R	01	-	-
12.JUL.21	R	02	-	-
22.SEP.21	R	03	-	-

DATE	STATUS	BY	CHK	ZONE
24.JUN.21	R	01	-	-
12.JUL.21	R	02	-	-
22.SEP.21	R	03	-	-

DATE	STATUS	BY	CHK	ZONE
24.JUN.21	R	01	-	-
12.JUL.21	R	02	-	-
22.SEP.21	R	03	-	-

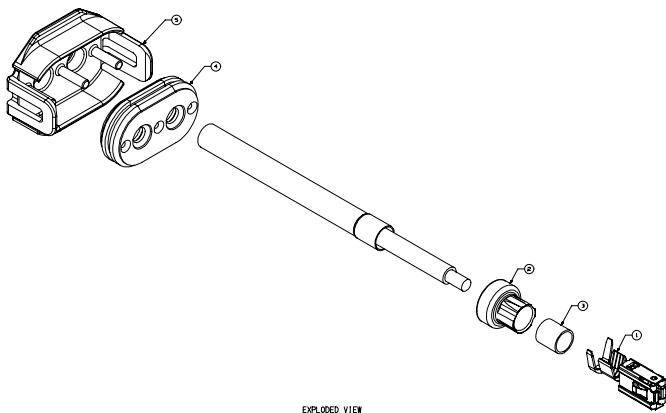
DATE	STATUS	BY	CHK	ZONE
24.JUN.21	R	01	-	-
12.JUL.21	R	02	-	-
22.SEP.21	R	03	-	-

DATE	STATUS	BY	CHK	ZONE
24.JUN.21	R	01	-	-
12.JUL.21	R	02	-	-
22.SEP.21	R	03	-	-

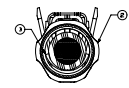
CRIMP DEFINITION	TEST, NO. OF INSPECTIONS REQUIRED
A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INSPECTION COMPONENT (DRAWING).	7
USE WA	7
USE	

REVISION SYMBOL	NO. OF REVISIONS	REVISION HISTORY
1	1	INITIAL RELEASE
2	1	REVISION 1
3	1	REVISION 2

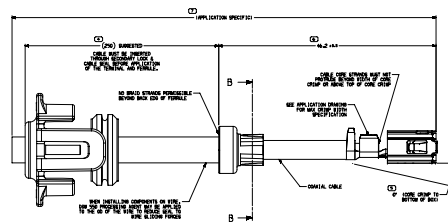
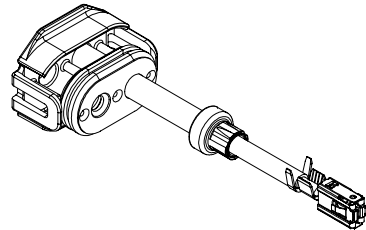
REVISION SYMBOL	NO. OF REVISIONS	REVISION HISTORY
1	1	INITIAL RELEASE
2	1	REVISION 1
3	1	REVISION 2



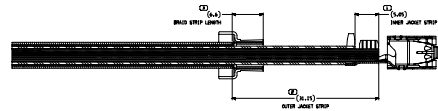
EXPLODED VIEW  
TIME 101



SECTION B-B  
FERRULE CRIMP ORIENTATION



TIME 101  
TERMINAL ASM AND CABLE STRIP  
NO. 101 FOR CABLE



SECTION A-A

ADDITIONAL ASSEMBLY INFORMATION

TERMINALS MUST BE CRIMPED AND POSITIONED WITH RESPECT TO THE TERMINAL AS SHOWN IN THE PULL REQUIREMENTS OF DRAWING 101.

FOR ALL TYPE TESTS, CABLE MUST BE TESTED IN STRIPPED AND NO CONDUCTOR STRAINS OF BRIDGES SHOULD BE TO BE EXPOSED WHEN APPLICATION TESTS 4 AND 5.

NOTES

1. ALL LEADS MUST BE AT-POST TESTED TO 3000 VOLTS (AC RATED FOR 10 SECONDS).
2. CABLE ASSEMBLY MUST BE VALIDATED TO CUSTOMER REQUIREMENTS FOR APPLICATION.
3. FROM THE ASSEMBLY FERRULE TO TERMINAL OF CABLE STRIP, FERRULE POSITIONING MUST BE VALIDATED AS SHOWN IN THE PULL REQUIREMENTS OF DRAWING 101.
4. THE FERRULES SHOULD BE THIS DRAWING REQUIRE THE USE OF COAXIAL CABLE. FERRULES MUST BE LOCATED AS SHOWN WHEN CRIMPED WITH RESPECT TO THE TERMINAL.
5. STRIPPER REMOVALS MUST BE DONE WITHIN 10 SECONDS OF THE LEAD CABLE ON THE COAXIAL CABLE, AFTER STRIPPING, LEADS ARE REQUIRED TO BE CRIMPED TO THE TERMINAL AND CABLE SEAL POSITIONING.
6. FOR APPLICATION DATA USE THE INDIVIDUAL APPLICATION DRAWING.

PART NO.	QTY	MAT'L SPEC.	PART NO.	QTY	MAT'L SPEC.	PART NO.	QTY	MAT'L SPEC.	PART NO.	QTY	MAT'L SPEC.	DESCRIPTION	ITEM
101001	2	101001	101002	2	101002	101003	2	101003	101004	2	101004	FERRULE TERMINAL	1
101005	2	101005	101006	2	101006	101007	2	101007	101008	2	101008	INNER FERRULE	2
101009	2	101009	101010	2	101010	101011	2	101011	101012	2	101012	INNER FERRULE	3
101013	2	101013	101014	2	101014	101015	2	101015	101016	2	101016	CABLE SEAL	4
101017	2	101017	101018	2	101018	101019	2	101019	101020	2	101020	STRAINS RELIEF	5
101021	2	101021	101022	2	101022	101023	2	101023	101024	2	101024	STRAINS RELIEF	6

35578210  
APR 10 1998

**APTIV**

REVISION HISTORY

REVISION 1

REVISION 2

REVISION 3

REVISION 4

REVISION 5

REVISION 6

REVISION 7

REVISION 8

REVISION 9

REVISION 10

REVISION 11

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