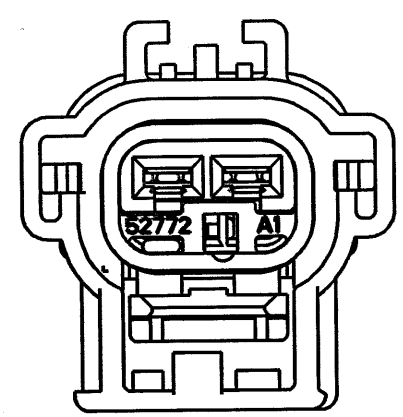
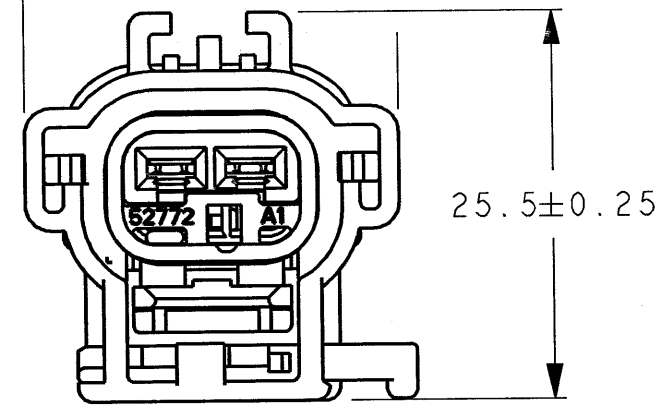
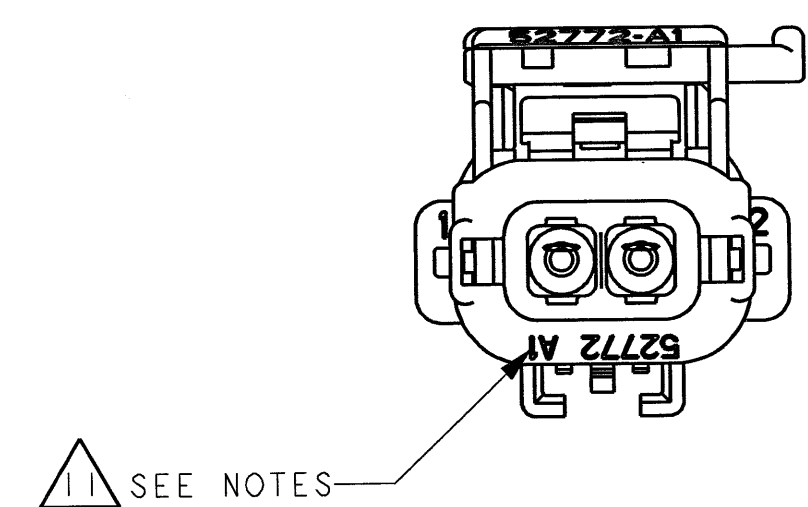
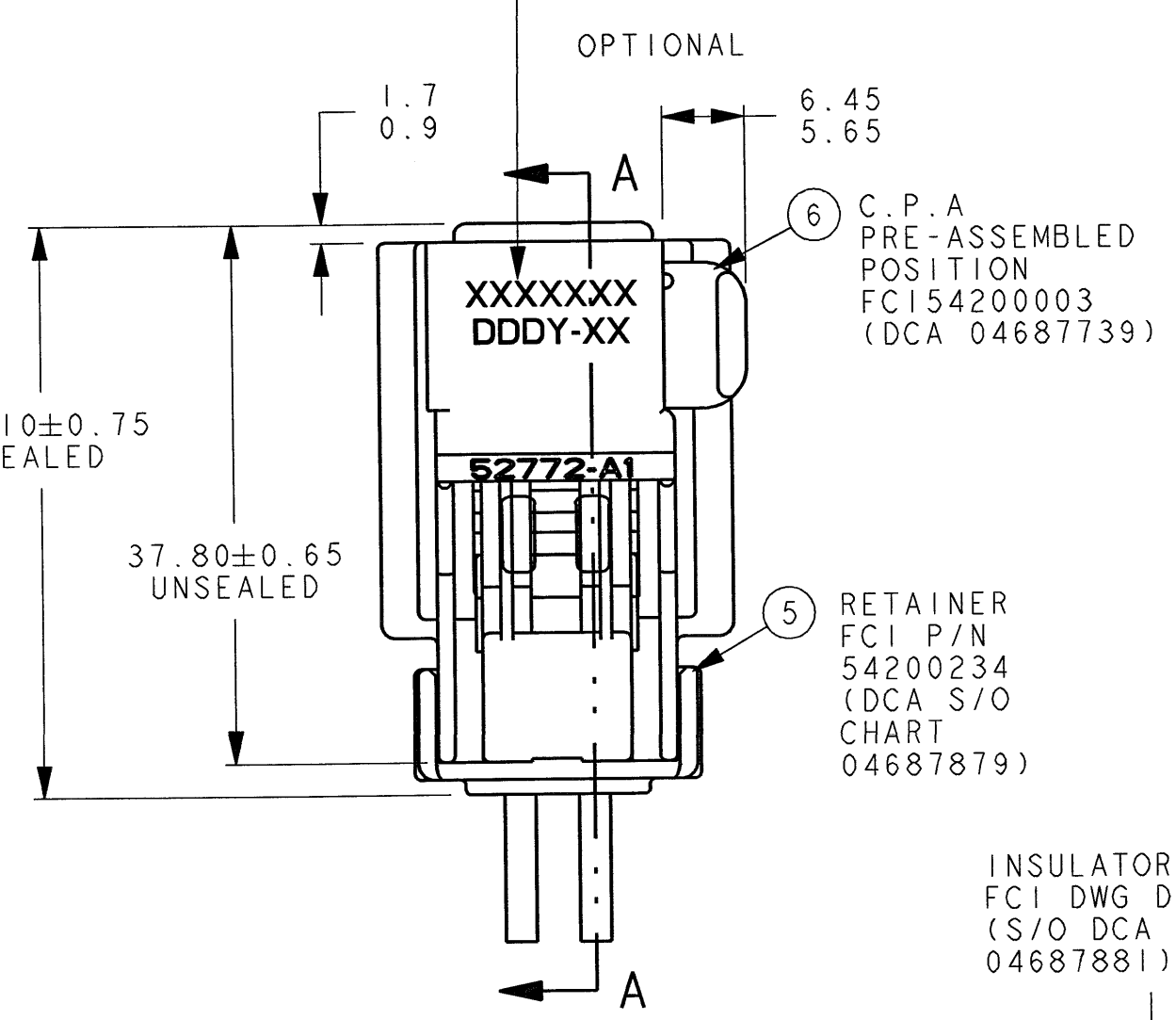




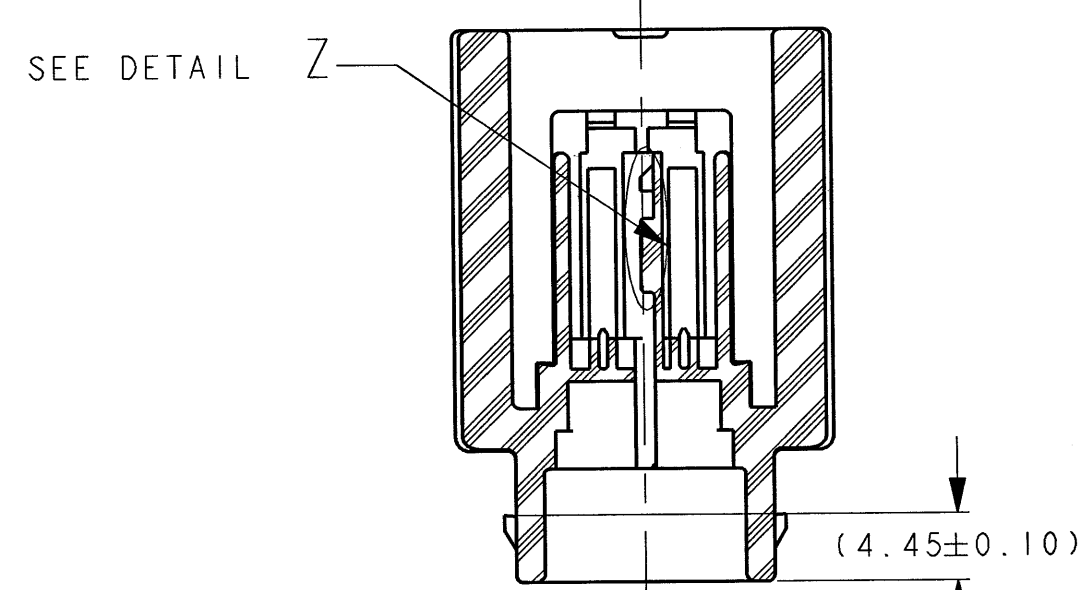
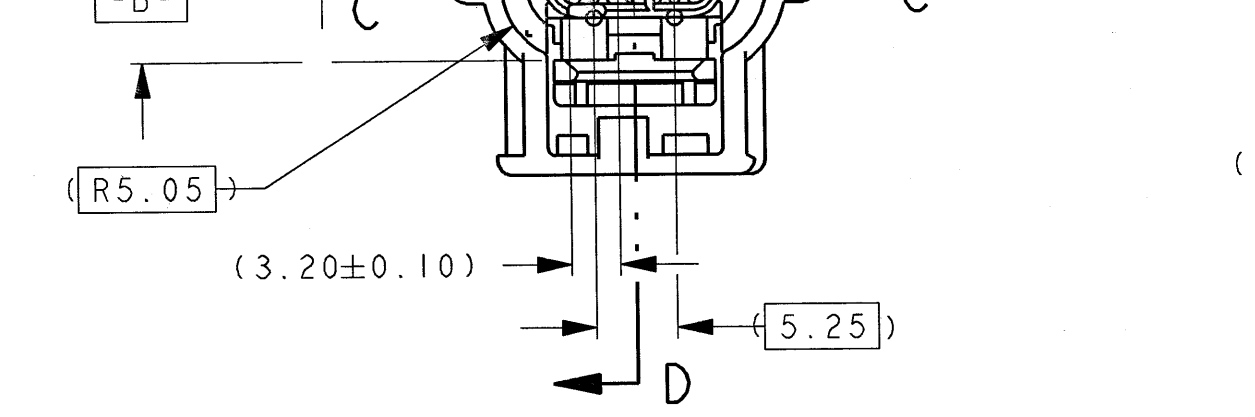
WITHOUT CPA
SEE P/N CHART
ALL DIMENSIONS SAME
AS WITH CPA



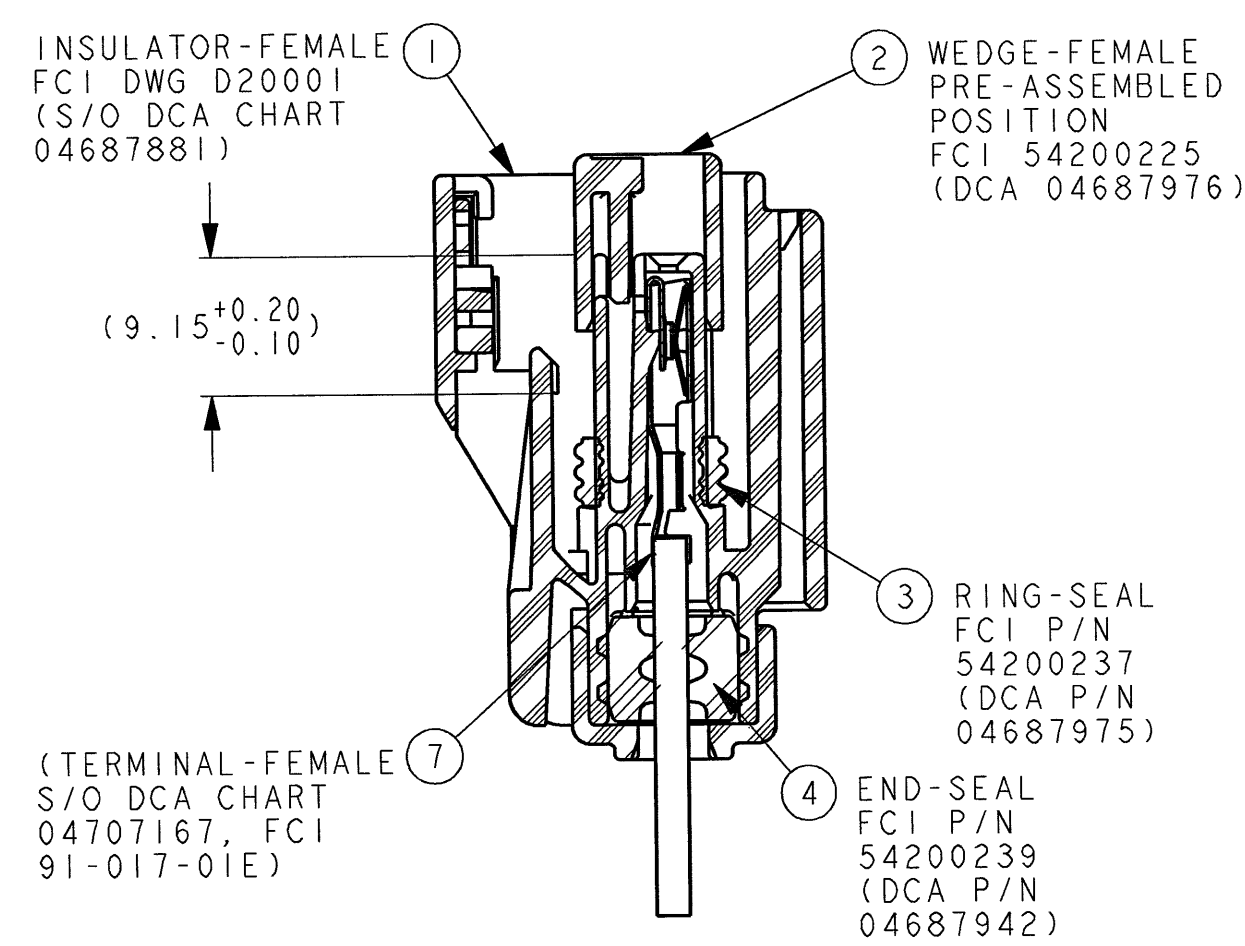
LAST 5 DIGITS OF 8 DIGIT P/N
& PART CHANGE LEVEL (PCL) OR
LAST 6 DIGITS OF 9 DIGIT OR
10 DIGIT P/N & PART CHANGE
LEVEL (PCL)
MFG. DAILY DATE CODE & ASSY
MACHINE NO. LETTERING MUST
BE LEGIBLE
OPTIONAL



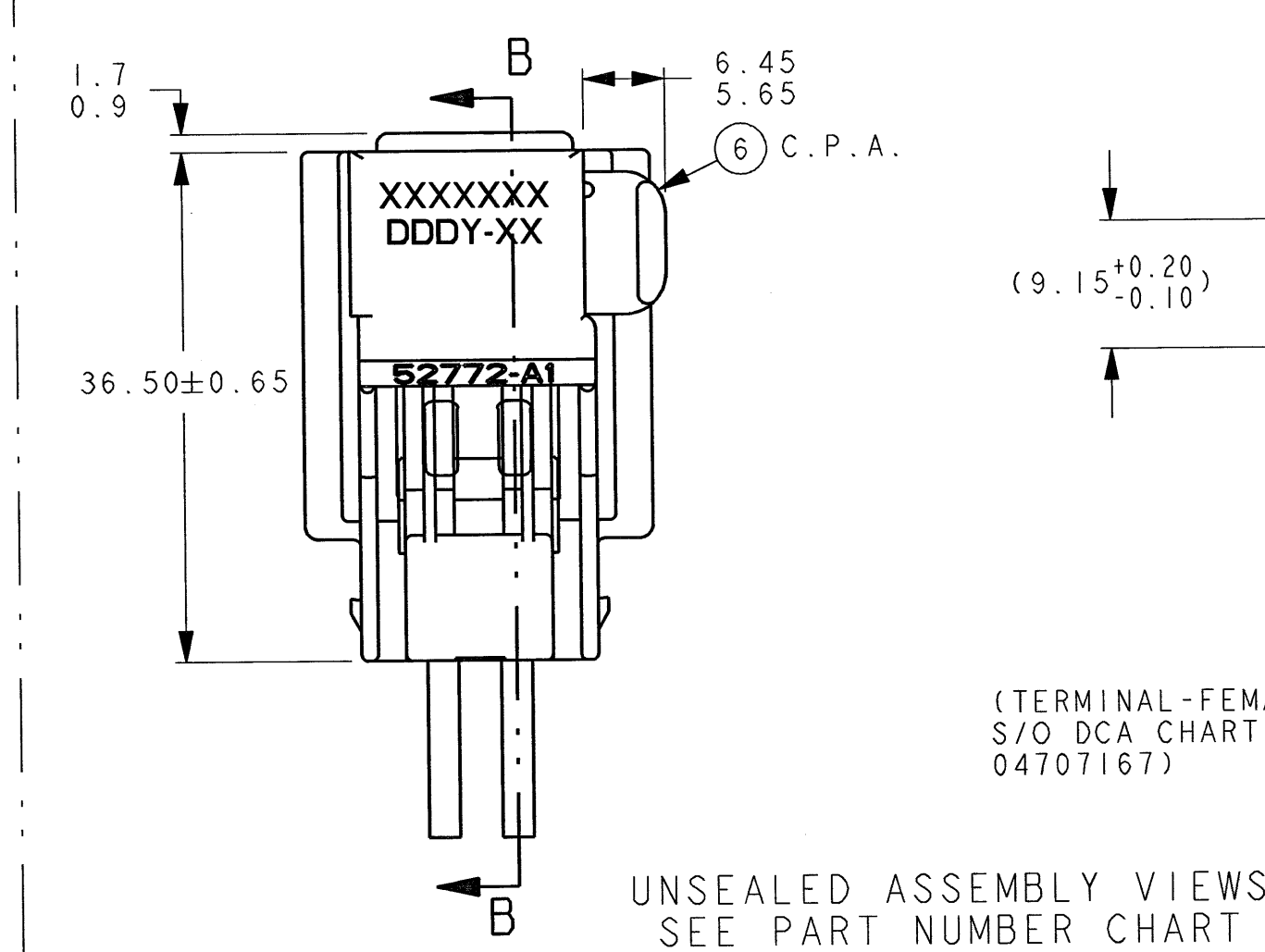
SEALED ASSEMBLY VIEWS
SEE P/N CHART
SHOWN WITH CPA'S



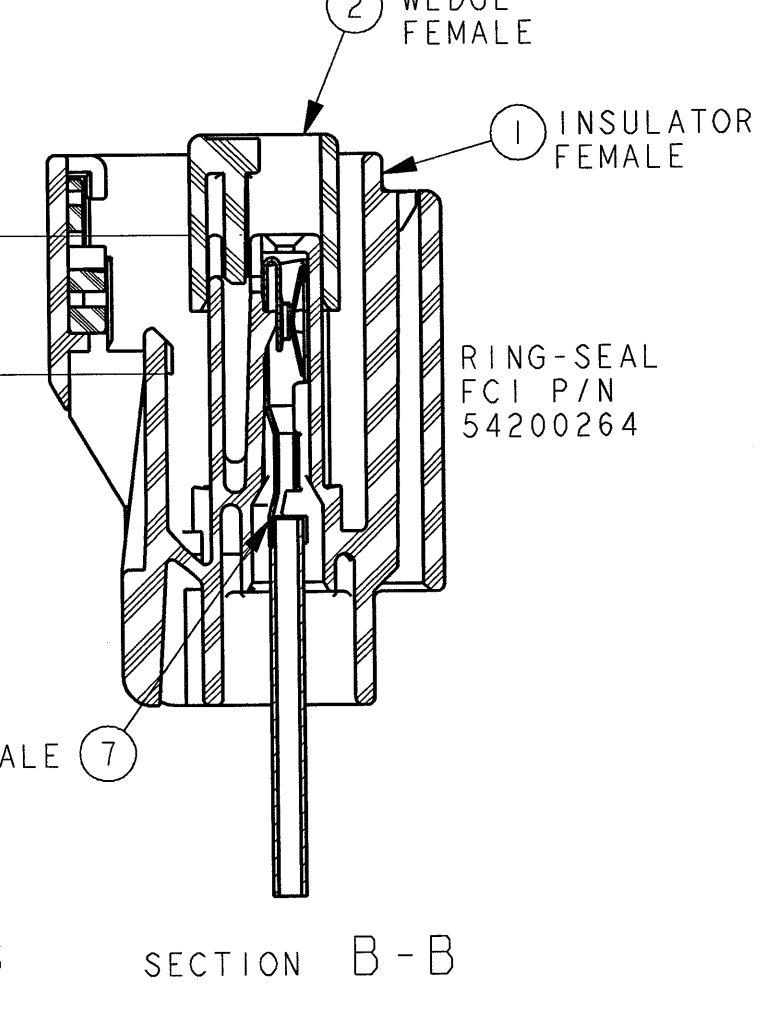
FOR REFERENCE ONLY
INSULATOR VIEWS



SECTION A-A



UNSEALED ASSEMBLY VIEWS
SEE PART NUMBER CHART



RING SEAL SHOWN AS
REFERENCE FOR
54200263 ASSY ONLY

TYPE A

TYPE B

TYPE A

TYPE B

TYPE C

TYPE D

TYPE C

TYPE D

POLARIZATION OPTIONS
FULL SIZE
SHOWN W/CPA

POLARIZATION OPTIONS
FULL SIZE
SHOWN W/O CPA

- NOTES:
- QUALITY ASSURANCE REQUIREMENTS PER DCA PS-7300: 1 SPC DATA REQUIRED.
 - ENGINEERING APPROVAL OF SUPPLIER SAMPLES IS REQUIRED PRIOR TO AUTHORIZATION OF PART PRODUCTION.
 - CHANGES IN DESIGN COMPOSITION OR PROCESSING FROM THE PART PREVIOUSLY APPROVED FOR PART PRODUCTION REQUIRES PRIOR ENGINEERING APPROVAL.
 - WIRING FABRICATORS MUST PURCHASE FROM SOURCES SHOWN.
 - ALL THE SEALED CONNECTOR APPLICATIONS MUST BE USED WITH DCA WIRE SPEC. MS-8288 OR MS-9502 THIN WALL X-LINK ONLY.
 - A- ASSEMBLIES WITH FCI P/N 54200239 OR 54200240 END SEAL MUST BE USED WITH 20 THRU 14 GAGE WIRES (INS. Ø1.70 MIN - Ø2.7 MAX)
 - B- ASSEMBLIES WITH FCI P/N 54200241 END SEAL MUST BE USED WITH 12 OR 10 GAGE WIRES (INS. Ø3.07 MIN - Ø4.09 MAX)
 - FCI P/N'S 54200238 RING SEAL & 54200240 END SEAL BAKED AT 450°F FOR 5 HOURS
 - ALL NON-REFERENCE APPLICATIONS MAY BE USED WITH ANY WIRE INSULATION 22 GAGE THRU 10 GAGE (EXCEPT AS NOTED) PROVIDING THAT A TERMINAL GRIP FOR THAT CORE/INSULATION COMBINATION IS SHOWN ON THE FEMALE TERMINAL DRAWING.
 - MAX. INSULATION CRIMP WIDTH = 4.50
 - MAX. INSULATION CRIMP HEIGHT = 4.50
 - MAX. INSULATION DIA = 4.09 (10 GA THIN WALL)
 - USE WITH CAVITY PLUG FCI P/N 54200005 (DCA P/N 56038308) WHEN REQ'D USE WITH DOUBLE X-MAS TREE CLIP DCA P/N 04707091 WHEN REQUIRED USE WITH SINGLE X-MAS TREE CLIP DCA P/N 04625797 WHEN REQUIRED
 - DIRECT CONNECT DRAWING NO. 04707027
 - TEST METHOD PER DCA PERFORMANCE SPEC PF-9600, CONNECTOR ENGAGE & DISENGAGE WITH LATCH DEPRESSION FORCE NOT TO EXCEED 75 N.FOR THIS SYSTEM

CPA SEATING FORCES - 40 N. MAX
WEDGE SEATING FORCES - 100 N. MAX
X-MAS TREE CLIP INSERTION FORCES - 75 N. MAX

- SUPPLIER, MOLD & CAVITY I.D. SIGNIFIES TOOL OWNERSHIP, FOR REFERENCE
- ANNUAL QUALITY REQUIREMENTS:
 - IT IS PERMISSIBLE TO PERFORM CONTINUOUS CONFORMANCE PER FCI SPECIFICATION 840A-001 INSTEAD OF ANNUAL LAYOUT & ANNUAL PV REQUIREMENTS OF QS-9000 SECTION 2 & PF-9600
- ALL NON-REFERENCE DIMENSIONS ARE REQUIRED
 - USE INDEX A, BLACK SEALED AND UNSEALED FOR ALL AFFECTED INSULATOR CAVITIES
 - CURRENT PRODUCTION TOOLING
 - POINT OF LAST RUN

SERVICE TOOLING GUIDE INFORMATION PER APEX TRAINING MANUAL

FCI P/N 54200259 NOT PRODUCED USE FCI P/N 55200200

MUST CONFORM TO THE FOLLOWING DCA/YNA STANDARDS:

PF-9600 PERFORMANCE (DCA) EXCEPT AS NOTED ABOVE
PS-7300 QUALITY ASSURANCE (DCA)
PS-4480-CEK-4 (DCA) PART 1, 0, 1, (G-009-2 YNA)
PS-9065 REGIRD (DCA), (G-009-3 YNA)
PS-9227 DATA EXCHANGE (DCA), (G-009-7 YNA)
PS-10052 INFORMATION SECURITY (DCA)

- THIS DRAWING (H59000) REPLACES DCA DRAWING NUMBER 04687874 LEVEL "P"
- FCI P/N WITH SUFFIX "N" DESIGNATES ASSEMBLIES W/O CPA.
- PRIMARY CONNECTOR LATCH OPTIONS #1 & #2 ARE FULLY INTERCHANGEABLE WITH MALE CONNECTOR OR DIRECT CONNECT
- MUST BE USED WITH FLUOROSILICONE END SEAL P/N 54200265, RETAINER P/N 54200234 & PROPER GAGE TEFLON WIRES FOR FLEX FUEL OR DIESEL FUEL APPLICATIONS. ASSEMBLE TERMINALS THROUGH RETAINER & ENDSEAL PRIOR TO ASSEMBLING INTO TERMINAL CAVITY.

UNCONTROLLED
FCI AUTOMOTIVE
12/7/2006
AMERICAS
FCI MASTER COPY WHEN IN RED

- THIS DRAWING (H59000) REPLACES DCA DRAWING NUMBER 04687874 LEVEL "P"
- FCI P/N WITH SUFFIX "N" DESIGNATES ASSEMBLIES W/O CPA.
- PRIMARY CONNECTOR LATCH OPTIONS #1 & #2 ARE FULLY INTERCHANGEABLE WITH MALE CONNECTOR OR DIRECT CONNECT
- MUST BE USED WITH FLUOROSILICONE END SEAL P/N 54200265, RETAINER P/N 54200234 & PROPER GAGE TEFLON WIRES FOR FLEX FUEL OR DIESEL FUEL APPLICATIONS. ASSEMBLE TERMINALS THROUGH RETAINER & ENDSEAL PRIOR TO ASSEMBLING INTO TERMINAL CAVITY.

DO NOT SCALE DRAWING

NOTED ON COMPONENT PRINTS

THIS IS A COMPUTER AIDED DESIGN DRAWING
CAID ID. NO. 59000 FILE NAME: H59000

NAME: CHART - ASSEMBLY DRAWING NO. REV. U

2-WAY FEMALE W/CLIP SLOT (2.80MM APEX CONN. SYS.) H59000 SHEET 1 OF 1

TOOL NO.: A-042 A FILE LOCATION: F102

MATING PART NUMBER CHART									
D	NATURAL	UNSEALED	54200203N	N/A	N/A	55200209	DIRECT CONNECT APPLICATION	N/A	
		SEALED	54200203	04687920	7283-5373	55200209	DIRECT CONNECT APPLICATION	N/A	
	TAN	SEALED	54200262	N/A	N/A	54200276	DIRECT CONNECT APPLICATION	N/A	
		SEALED	54200209N	N/A	N/A	55200205	DIRECT CONNECT APPLICATION	N/A	
C	NATURAL	SEALED	54200209	04687916	7283-5375	55200205	DIRECT CONNECT APPLICATION	N/A	
		UNSEALED	54200202N	N/A	N/A	55200208	DIRECT CONNECT APPLICATION	N/A	
	DK GREY	UNSEALED	54200202	04687919	7283-5372-10	55200208	DIRECT CONNECT APPLICATION	N/A	
		SEALED	54200261	N/A	N/A	54200275	DIRECT CONNECT APPLICATION	N/A	
B	DK BROWN	SEALED	54200208N	N/A	N/A	55200204	DIRECT CONNECT APPLICATION	N/A	
		SEALED	54200208	04687914	7283-5374-10	55200204	DIRECT CONNECT APPLICATION	N/A	
	DK GREY	UNSEALED	54200201N	N/A	N/A	54200205	N/A	N/A	
		SEALED	54200201	04687918	7283-5371-40	54200205	04687924	-	
A	LT GREY	SEALED	54200260	N/A	N/A	54200274	N/A	N/A	
		SEALED	54200207N	N/A	N/A	54200211	N/A	N/A	
	LT GRN	SEALED	54200207	04687913	7283-5359-40	54200211	04687922	-	
		UNSEALED	54200251N	N/A	N/A	-	-	-	
A	BLACK	UNSEALED	54200251	04868293AA	-	-	-	-	
		SEALED	54200212N	N/A	N/A	54200233	N/A	N/A	
	DK GRN	SEALED	54200212	04688917	7283-5367-60	54200233	04686173AA	-	
		UNSEALED	54200200N	N/A	N/A	54200204	N/A	N/A	
	DK GRN	UNSEALED	54200200	04688917	7283-5358-30	54200204	04687923	-	
		SEALED	54200263	N/A	N/A	DEVICE	N/A	N/A	
	DK GRN	SEALED	54200206	04687912	7283-5292-30	54200210	04687921	7283-5292-30	
		SEALED	54200213N	N/A	N/A	54200215	N/A	N/A	
INDEX TYPE	COLOR	SEALED/UNSEALED	DCA APPLICATION			MATING ASSEMBLY PART NUMBER FOR REFERENCE ONLY			
			FEMALE ASSEMBLY PART NUMBERS						