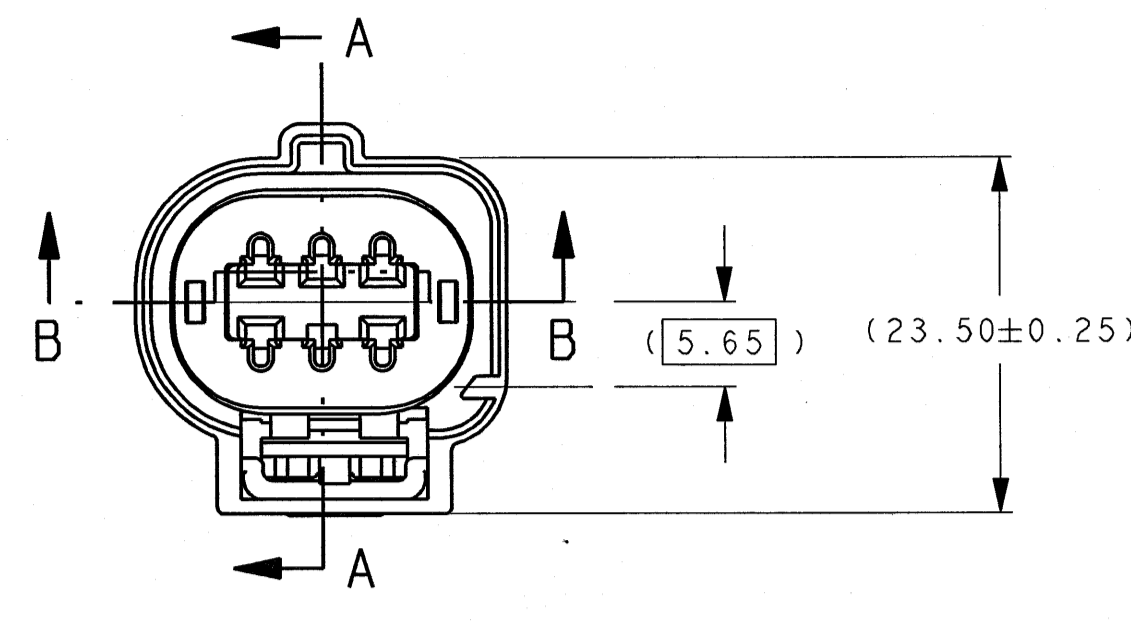
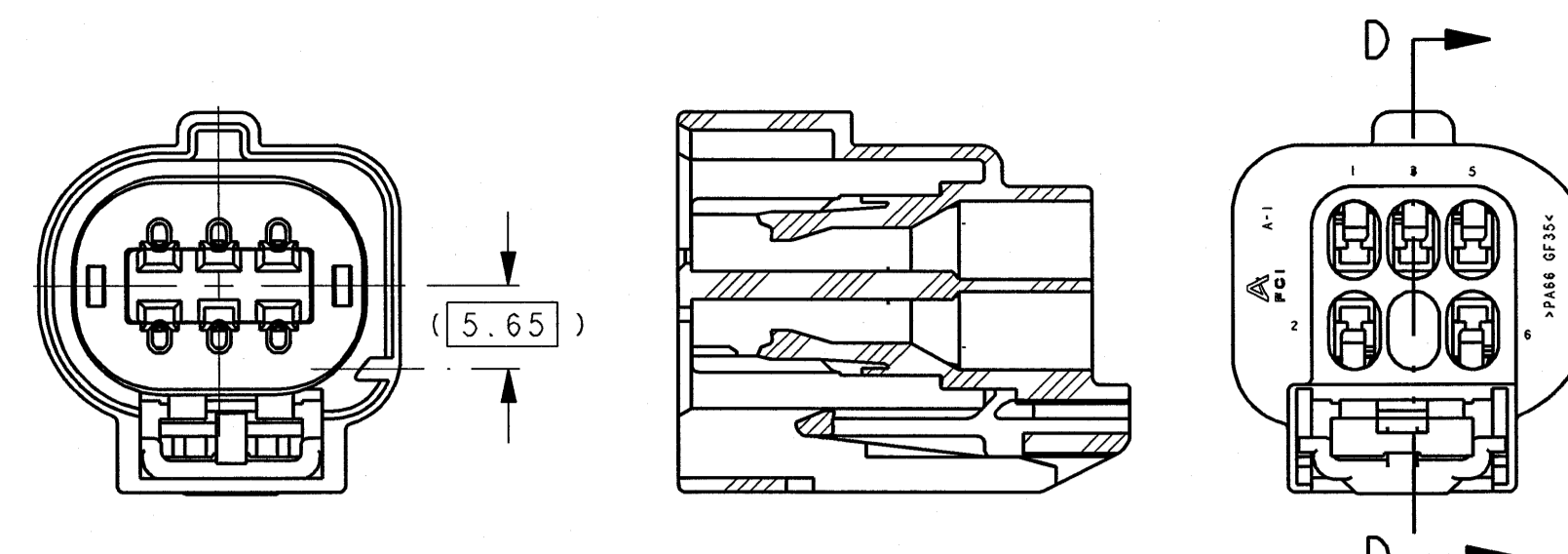
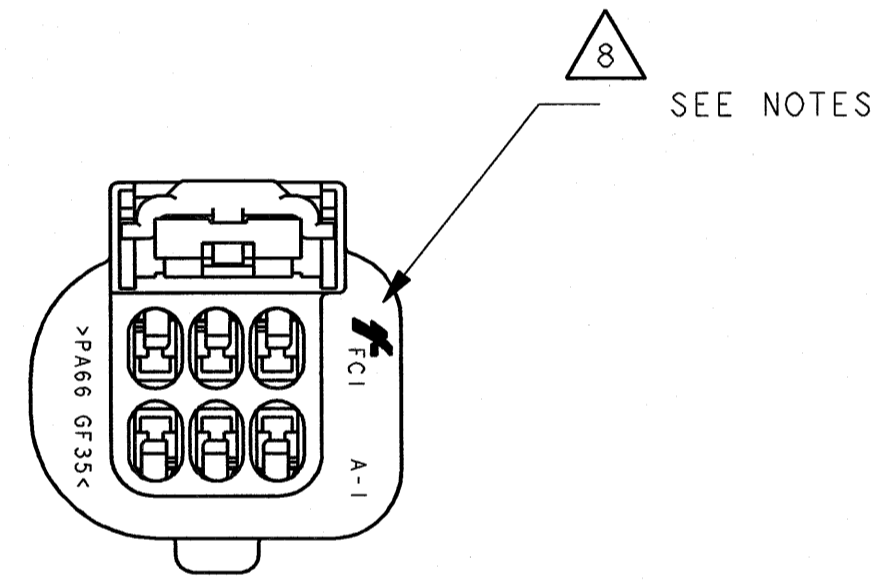
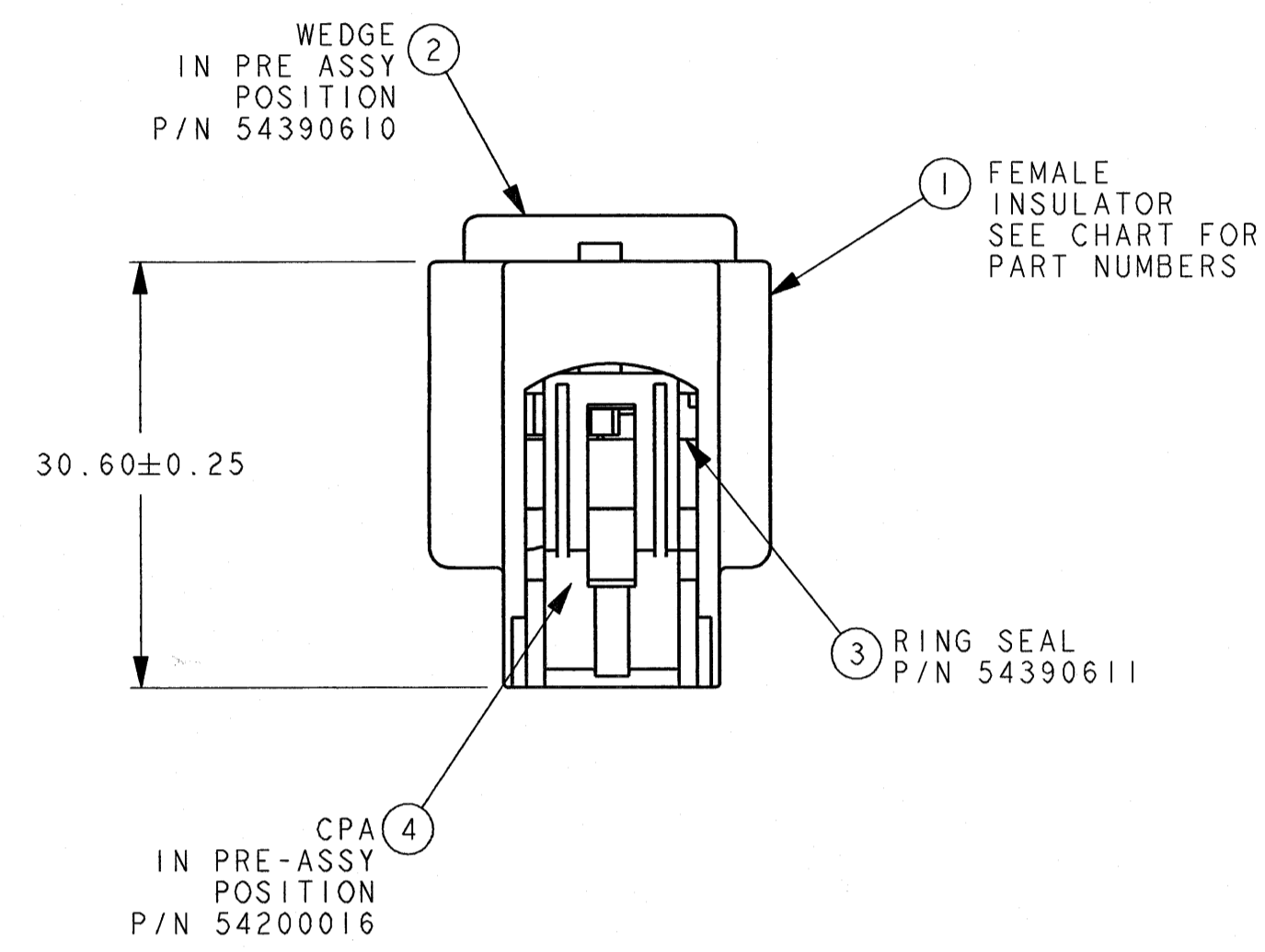


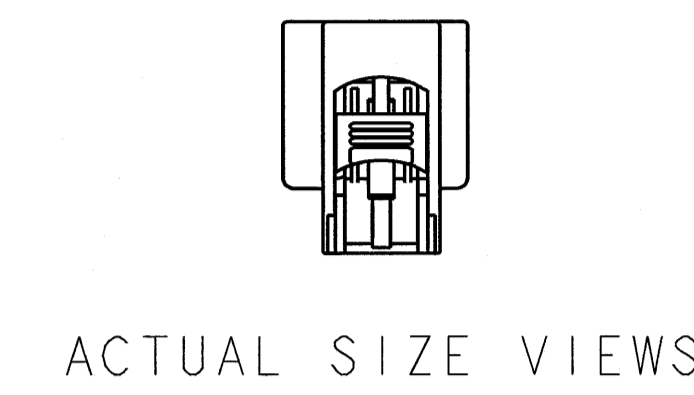
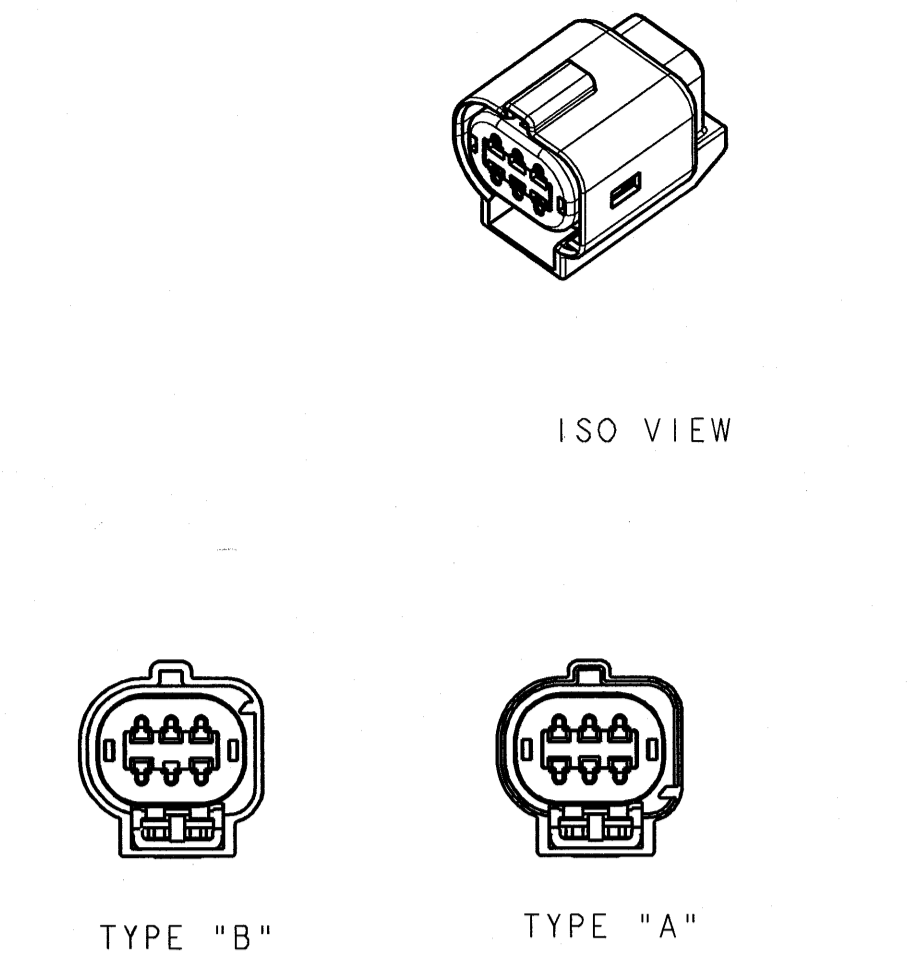
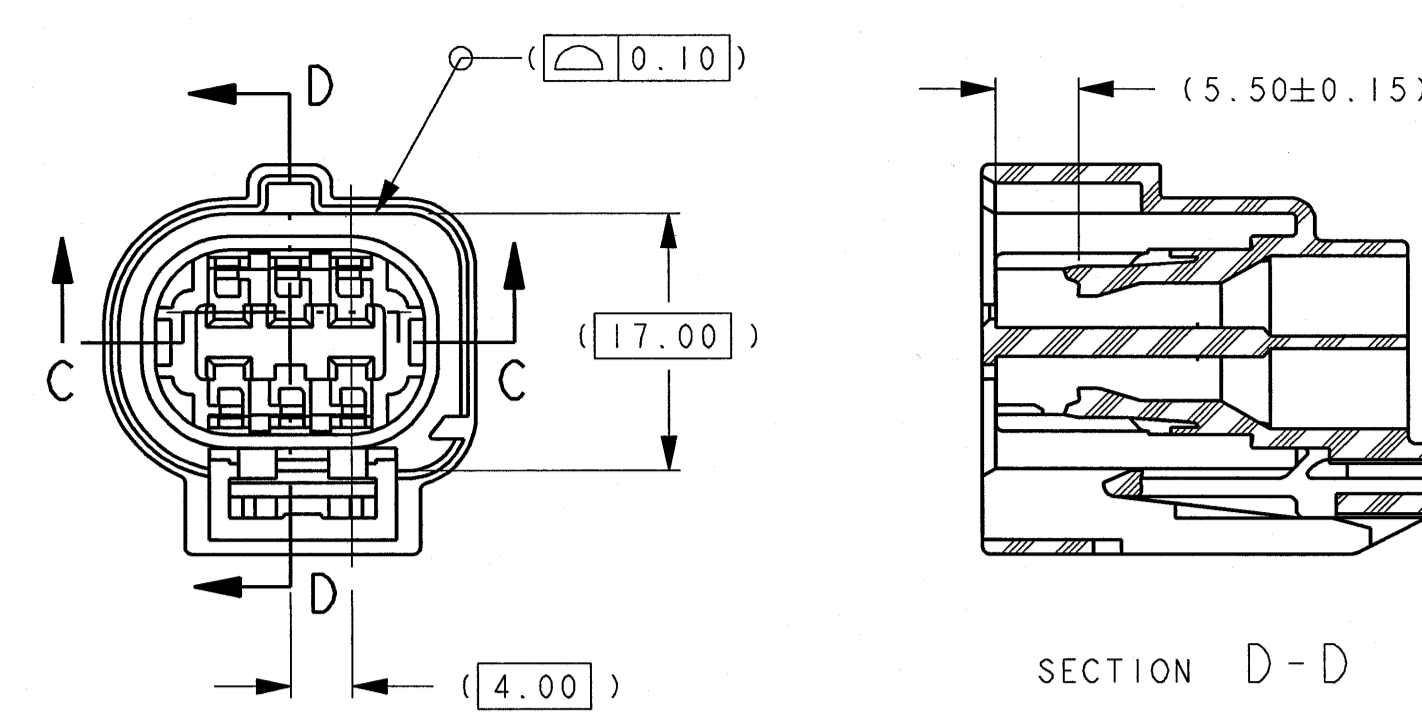
KEY TYPE "B"
P/N 54390609



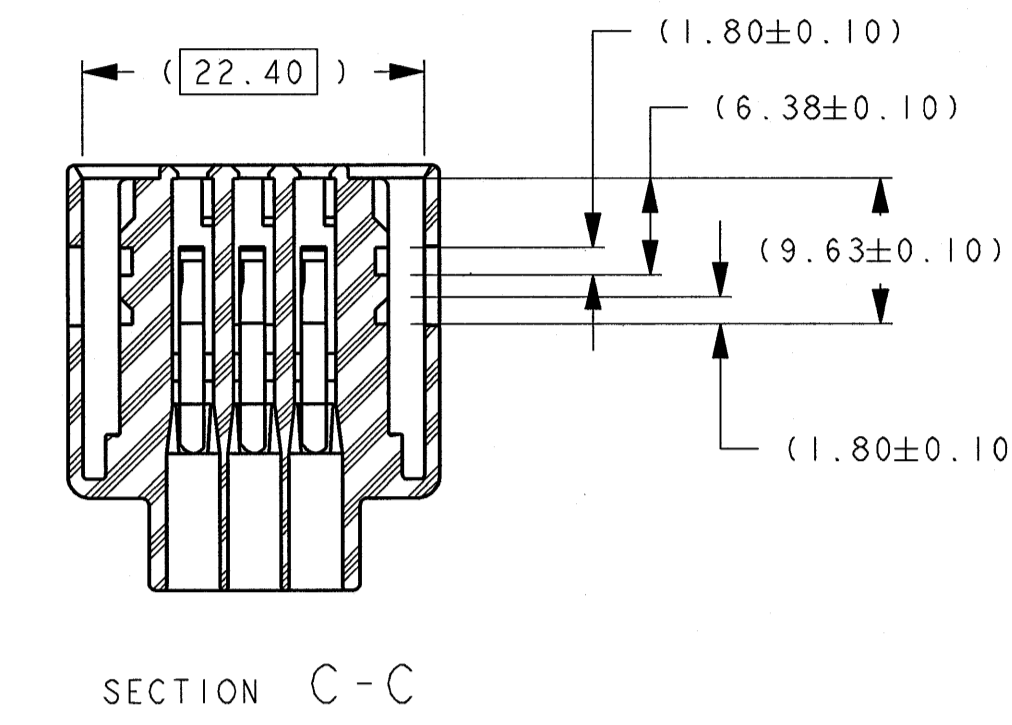
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P/N 54390608



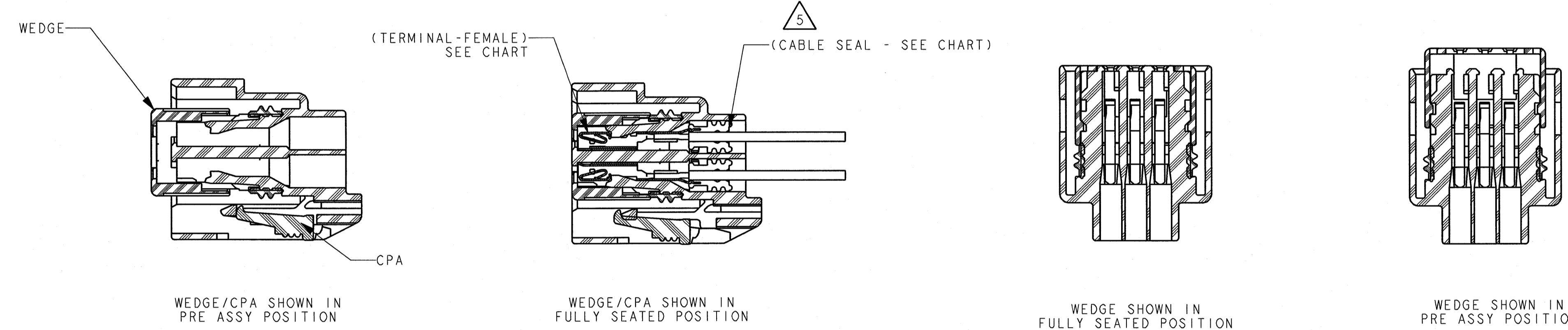
KEY TYPE "A" SECTION D-D



CONSTRUCTION FOR BLOCKED CAVITY #4 P/N 54390613

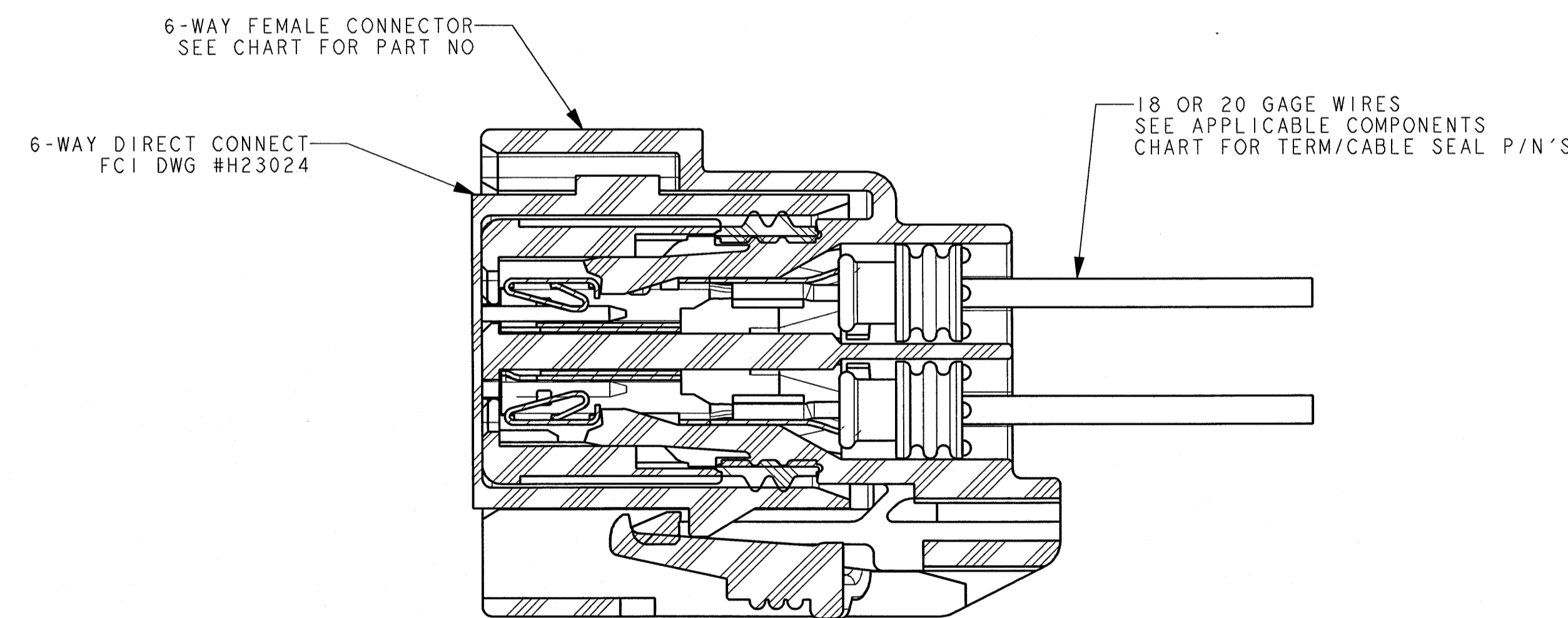


SECTION C-C
INSULATOR VIEWS FOR REFERENCE ONLY



SECTION A-A

SECTION B-B



6-WAY E-GAS CONNECTOR & BRUSH HOLDER ASSY VIEW FOR REFERENCE SCALE 4X

- NOTES:
- 1 QUALITY ASSURANCE REQUIREMENTS PER DCA PS-7300: 1 SPC DATA REQUIRED FOR PROCESS PARAMETER.
 - 2 ENGINEERING APPROVAL OF SUPPLIER SAMPLES IS REQUIRED PRIOR TO AUTHORIZATION OF PART PRODUCTION.
 - 3 CHANGES IN DESIGN COMPOSITION OR PROCESSING FROM THE PART PREVIOUSLY APPROVED FOR PART PRODUCTION REQUIRES PRIOR ENGINEERING APPROVAL.
 - 4 WIRING FABRICATORS MUST PURCHASE FROM SOURCES SHOWN.
 - 5 MUST BE USED WITH 1.50MM YESC & CABLE SEALS SEE CHART FOR APPLICABLE COMPONENTS.
 - 6 WIRE INSULATION MUST BE PER MS-8288 OR MS-9502
MAX INSULATION CRIMP WIDTH = 3.40
MAX INSULATION CRIMP HEIGHT = 3.70
MAX INSULATION DIA. = 2.13 (18GA THIN WALL)
= 1.93 (20GA THIN WALL)
 - 7 DIRECT CONNECT DRAWING NO. H23024
 - 8 TEST METHOD PER SAE/USCAR-2 REV 3, CONNECTOR ENGAGE & DISENGAGE WITH LATCH DEPRESSION FORCE NOT TO EXCEED 75 N. FOR THIS SYSTEM
CPA PRE-STAGE TO LOCKED FORCES WITH CONNECTOR FULLY MATED - >7 N
CPA LOCKED TO PRE-STAGE FORCES WITH CONNECTOR FULLY MATED - >5 N
WEDGE SEATING FORCES - <70 N MAX.
 - 9 SUPPLIER, MOLD & CAVITY I.D. SIGNIFIES TOOL OWNERSHIP, FOR REFERENCE
 - 10 ANNUAL QUALITY REQUIREMENTS:
IT IS PERMISSIBLE TO PERFORM CONTINUOUS CONFORMANCE PER FCI SPECIFICATION #AQA-001 INSTEAD OF ANNUAL LAYOUT & ANNUAL PV REQUIREMENTS OF QS-9000 SECTION 2 & PF-9900
- 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
- MUST CONFORM TO THE FOLLOWING DCA/YNA STANDARDS:
- SAE/USCAR-2 REV 3 PERFORMANCE REQUIREMENTS
PS-7300 QUALITY ASSURANCE (DCA)
PS-4480-CEK-4 (DCA) PART 1 D., (G-009-2 YNA)
PS-9065 REGROUND (DCA), (G-009-3 YNA)
PS-9227 DATA EXCHANGE (DCA), (G-009-7 YNA)
PS-10052 INFORMATION SECURITY (DCA)
MS-8288 125°C WIRE
MS-9502 150°C WIRE

APPLICABLE COMPONENTS						
TERMINAL 1.5 YESC SEALED			CABLE SEAL (SILICONE) LCS		OPTIONAL CABLE SEAL NON-USCAR	
PART NO.	PLATING	WIRE GAGE PER MS-8288 OR MS-9502	PART NO.	COLOR	PART NO.	COLOR
7116-4102-02	TIN (SN)	20GA	54700040	GREEN	E-1644-01	PINK
7116-4103-02	TIN (SN)	18GA	54700040	GREEN	E-1644-00	GREEN
7116-4102-08	GOLD (AU)	20GA	54700040	GREEN	E-1644-01	PINK
7116-4102-08	GOLD (AU)	18GA	54700040	GREEN	E-1644-00	GREEN

SEALED ASSY NO.		REQ'D		ITEM		FCI NO.		PART NAME (COLOR-MATERIAL)	
54390607	54390612	1	1	1	1	54390614	54390614	FEMALE INSULATOR KEY TYPE "A", CAVITY 4 FLASHED (DK GREY-NYLON 66 GF35)	
	54390613	1	1	1	1	54390608	54390608	FEMALE INSULATOR KEY TYPE "A" (BLK-NYLON 66 GF35)	
		1	1	1	1	54390609	54390609	FEMALE INSULATOR KEY TYPE "B" (LT GREY-NYLON 66 GF35)	
		1	1	1	1	54390610	54390610	WEDGE (ROYAL BLUE-NYLON 66 GF35)	
		1	1	1	1	54390611	54390611	RING SEAL (BRT RED-SILICONE "A" 30)	
		1	1	1	1	54200016	54200016	CPA (RED-NYLON 66 GF35)	
3	3	3	3					TEMPERATURE CLASS PER USCAR - 2 REV 3.	

CHARTED	H25000		
PART NUMBER	PART NUMBER	REV DATE	REV DATE
F.C.I.	CUSTOMER		DRAWING NUMBER

DRAWING NO. H25000 REVISION F1

REV	DATE	BY	CHKD	APP'D	DESCRIPTION

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THIRD ANGLE PROJECTION

FCI 1770 Marie Street Westland, Michigan 48185-3233

UNLESS OTHERWISE SPECIFIED: DRAWN: J. GOPALAKRISHNAN DATE: 04-24-02
CHECK: DATE: DATE:
DIMENSIONS: PLACE DIM ± 0.25 IN PLACE DIM ± 0.10 mm
ANGULAR DIM ± 2°
DO NOT SCALE DRAWING SCALE: 2x & NOTED

REFERENCE: ESR #5883

THIS IS A COMPUTER AIDED DESIGN DRAWING SYSTEM: PRO/TE
CAD ID NO.: H25000 FILE NAME: H25000

NAME:	ASSEMBLY 6-WAY FEMALE EGAS	DRAWING NO. H25000
	(1.50mm YESC SEALED)	REV: F1
		SHEET 1 OF 1

TOOL NO.: A-113

Mouser Electronics

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