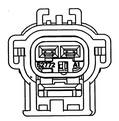
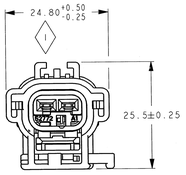
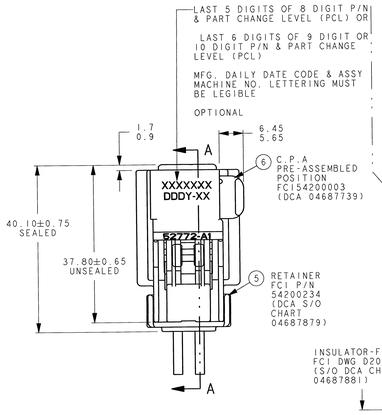
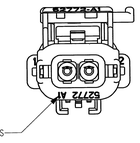


WITHOUT CPA

SEE P/N CHART
ALL DIMNENSIONS SAME AS WITH CPA

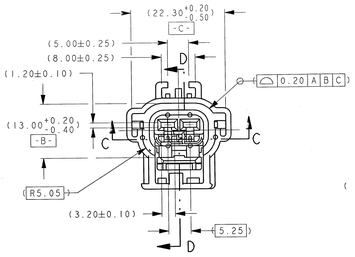


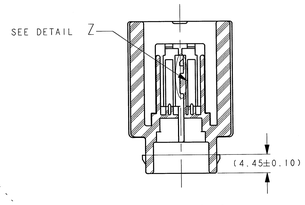




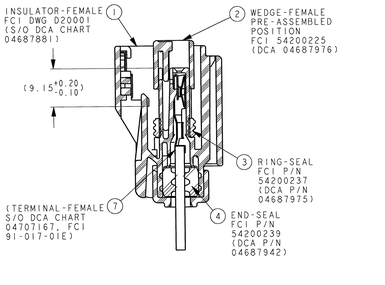
SEALED ASSEMBLY VIEWS

SEE P/N CHART
SHOWN WITH CPA'S

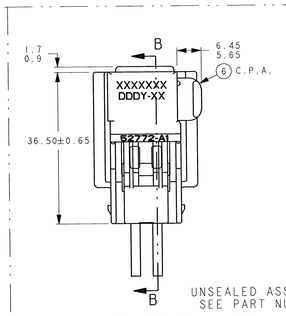




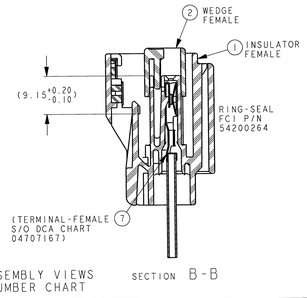
SECTION C-C



SECTION A-A



UNSEALED ASSEMBLY VIEWS
SEE PART NUMBER CHART

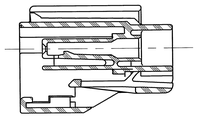


SECTION B-B

RING SEAL SHOWN AS REFERENCE FOR 54200263 ASSY ONLY

SCALE 2.000

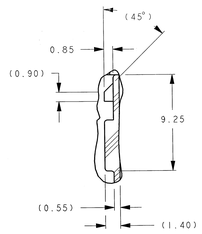
CAVITY DETAIL VIEW
SECTION D-D
LATCH OPTION-1



CAVITY DETAIL VIEW
SECTION D-D
LATCH OPTION - 2
PREFERRED CONSTRUCTION

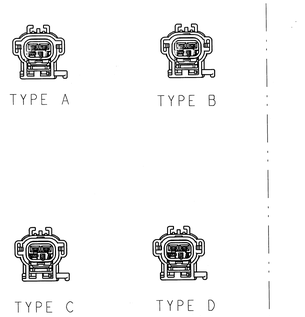
PARTIAL SECTION E-E
SCALE 4.000

DETAIL Y
SCALE 5.000

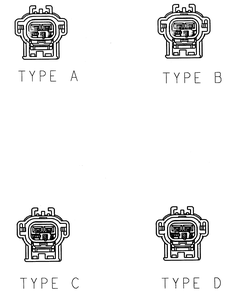


DETAIL Z
SCALE 5X

FOR REFERENCE ONLY
INSULATOR VIEWS



POLARIZATION OPTIONS
FULL SIZE
SHOWN W/CPA



POLARIZATION OPTIONS
FULL SIZE
SHOWN W/O CPA

NOTES:

1. QUALITY ASSURANCE REQUIREMENTS PER DCA PS-7300: 1 SPC DATA REQUIRED.
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. 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 GAGR WIRES (INS. Ø1.70 MIN - Ø2.7 MAX)
   - B- ASSEMBLIES WITH FCI P/N 5420024I END SEAL MUST BE USED WITH 12 OR 10 GAGE WIRES (INS. Ø3.07 MIN - Ø4.09 MAX)
6. FCI P/N'S 54200238 RING SEAL & 54200240 END SEAL BAKED AT 450°F FOR 5 HOURS
7. ALL NON-SEALED 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)
8. 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
9. DIRECT CONNECT DRAWING NO. 04707027
10. TEST METHOD PER DCA PERFORMANCE SPEC# PF-9600. CONNECTOR ENGAGE & DISENGAGE WITH LATCH DEPRESSED 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
11. SUPPLIER, MOLD & CAVITY I.D.SIGNIFIES TOOL OWNERSHIP, FOR REFERENCE
12. 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-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
13. ** FCI P/N 54200259 NOT PRODUCED USE FCI P/N 55200200
14. 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 I.D., (G-009-2 YNA)
    PS-9065 REGRIND (DCA), (G-009-3 YNA)
    PS-9227 DATA EXCHANGE (DCA), (G-009-7 YNA)
    PS-10052 INFORMATION SECURITY (DCA)
15. THIS DRAWING (H59000) REPLACES DCA DRAWING NUMBER 04687874 LEVEL "P" DCA DRAWING IS FOR REFERENCE ONLY
16. FCI P/N WITH SUFFIX "N" DESIGNATES ASSEMBLIES W/O CPA.
17. PRIMARY CONNECTOR LATCH OPTIONS #1 & #2 ARE FULLY INTERCHANGEABLE WITH MALE CONNECTOR OR DIRECT CONNECT
18. 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.

MATING PART NUMBER CHART

INDEX TYPE	COLOR	SEALED/ UNSEALED	DCA APPLICATION (DCA)	DCA APPLICATION (YNA)	MATING ASSEMBLY PART NUMBER FOR REFERENCE ONLY (FCI)		
			FEMALE ASSEMBLY PART NUMBERS				
D	NATURAL	UNSEALED	54200203N	N/A	55200209	DIRECT CONNECT APPLICATION	N/A
		UNSEALED	54200203	04687920	7283-5373	55200209	DIRECT CONNECT APPLICATION
	TAN	SEALED	54200262	N/A	54200276	DIRECT CONNECT APPLICATION	N/A
	NATURAL	SEALED	54200209N	N/A	55200205	DIRECT CONNECT APPLICATION	N/A
		SEALED	54200209	04687916	7283-5375	55200205	DIRECT CONNECT APPLICATION
C	DK GREY	UNSEALED	54200202N	N/A	55200208	DIRECT CONNECT APPLICATION	N/A
		UNSEALED	54200202	04687919	7283-5372-10	55200208	DIRECT CONNECT APPLICATION
	DK.BROWN	SEALED	54200261	N/A	54200275	DIRECT CONNECT APPLICATION	N/A
	DK GREY	SEALED	54200208N	N/A	55200204	DIRECT CONNECT APPLICATION	N/A
		SEALED	54200208	04687914	7283-5374-10	55200204	DIRECT CONNECT APPLICATION
B	LT GREY	UNSEALED	54200201N	N/A	54200205	N/A	N/A
		UNSEALED	54200201	04687918	7283-5371-40	54200205	04687924
	DK.BLUE	SEALED	54200260	N/A	54200274	N/A	N/A
	LT GREY	SEALED	54200207N	N/A	N/A	54200211	N/A
		SEALED	54200207	04687913	7283-5359-40	54200211	04687922
A	LT GRN	UNSEALED	54200251N	N/A	N/A	-	-
		UNSEALED	54200251	04868293AA	-	-	-
		SEALED	54200212N	N/A	N/A	54200233	N/A
		SEALED	54200212	04688917	7283-5367-60	54200233	04868173AA
	BLACK	UNSEALED	54200200N	N/A	N/A	54200204	N/A
		UNSEALED	54200200	04688917	7283-5358-30	54200204	04687923
		SEALED	54200263	N/A	N/A	DEVICE	N/A
		SEALED	54200206	04687912	7283-5292-30	54200210	04687921
		SEALED	54200213N	N/A	N/A	54200215	N/A
		SEALED	54200213	04793832		54200215	04793833
		SEALED	54200214N	56021913AA	7283-6210-30	DIRECT CONNECT APPLICATION	
	DK GRN	SEALED	55200200	-	7283-8377-60	54200273	-
		SEALED	55200200N	N/A	-	54200273	N/A

FCI - FRAMATOME CONNECTORS INTERNATIONAL
DCA - DAIMLERCHRYSLER AUBURN HILLS
YNA - YAZAKI NORTH AMERICA

CHART-ASSEMBLY PART NUMBERS

DCA APPLICATION	UNSEALED W/O CPA				UNSEALED W/CPA				SEALED W/CPA				SEALED W/O CPA			
YNA P/N'S																
FCI P/N'S (DCA P/N'S)	54200251N	54200200N	54200201N	54200202N	04868293AA	54200200	04687918	54200202	04687919	54200202N	04687920	54200203	04687916	54200209	04687914	54200208
REQUIRED																

CHART - ASSEMBLY PART NUMBERS

DCA APPLICATION	SEALED W/CPA				SEALED W/O CPA			
YNA P/N'S					7283-8377-60			
FCI P/N'S	**54200259	55200200	55200200N	54200260	54200261	54200262		
REQUIRED								

ITEM	(CLASS 3) FCI NO.	(DCA NO.)	COLOR	PART NAME (MATERIAL)	INDEX	(CLASS 4) FCI NO.	COLOR	ITEM
1	54200227	04687793	BLACK	INSULATOR NYLON	A	54200255	BLACK	1
1	54200231	*91012136	LT GREEN	INSULATOR NYLON	A	55200201	DK GREEN	1
1	54200228	04687944	LT GREY	INSULATOR NYLON	B	54200256	DK BLUE	1
1	54200229	04687945	DK GREY	INSULATOR NYLON	C	54200257	DK BROWN	1
1	54200230	04687946	NATURAL	INSULATOR NYLON	D	54200258	TAN	1
2	54200225	04687976	ROYAL BLUE	WEDGE NYLON		54200281	NATURAL	2
3	54200237	04687975	RED	RING SEAL SILICONE				
3	54200264	N/A	DK GREEN	RING SEAL FL.SILICONE				
3	54200238	*91012137	DK BLUE	RING SEAL SILICONE		54200238	DK BLUE	3
4	54200239	04687942	LT BLUE	END SEAL SILICONE				
4	54200240	*91012138	LT GREEN	END SEAL SILICONE		54200240	LT GREEN	4
4	54200241	04687943	BURNT ORANGE	END SEAL SILICONE				
5	54200234	04687938	BLACK	RETAINER NYLON		54200271	NATURAL	5
6	54200003	04687739	RED	CPA LATCH NYLON		54200008	NATURAL	6
3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3 3			CONNECTOR ASSEMBLY TEMPERATURE CLASS PER PF-9600				4 4 4 4 4 4
S S S S S S S S S	S U S S S S S			PART CHANGE LEVEL (PCL) (LATCH OPTION #2)				S S S T T T

SEE NOTE 6
SEE NOTE 6
* INTERLOCK P/N
W/O CPA

FCI	52772 OR 52772 H	SEE CHART
VENDOR	VENDOR CODE	P/N

REVISION	DRAWING NO.
U	H59000

ZONE	ECN	LET	REVISION RECORD	DATE	DWN	CHK	APP
F2	9015	U	54200263 & NOTE #18 ADDED FOR POL A WITH FLUOROSILICONE MATERIALS	12-04-06	PK	TS	TS
D2	8293	T	LATCH OPTION #1 & UNSEALED TEMP CLASS 4 CHARTED DELETED,NEW P/N'S FOR TEMP CLASS 4 ADDED & MATING P/N CHART UPDATED	02-21-06	TS	TS	TS
D5,E1	7463	S	ADDED CONNECTOR LATCH OPTION #2 UPDATED PCL CHART, ADDED NOTE 17	2-3-05	TS	TS	TS
G5	4290	R1	9 DIGIT OR 10 DIGIT WAS 10 DIGIT	11-27-01	PT	TS	TS
A1	|	|	ADDED W/CLIP SLOT TO TITLE	|	TS	TS	TS
ALL	4130	R	RELEASED FOR PRODUCTION FOR PREVIOUS CHANGES SEE	11-13-01	JP	TS	TS
|	|	|	DCA 04687874 REV P; REDRAWN ON FCI TITLE BLOCK	|			
|	|	|	FCI P/N'S W/O CPA ADDED FCI P/N 54200214N WAS	|			
|	|	|	54200214	|		

LAST INSP CODE	-
LAST TOOL CODE	-
LAST SEC	E
LAST DATUM	C

FRAMATOME CONNECTORS INTERNATIONAL
Automotive Group

THIRD ANGLE PROJECTION

Framatome Connectors Interlock, Inc.
1770 Marie Street Westland, Michigan 48185-3233

UNLESS OTHERWISE SPECIFIED

DIMENSIONS IN mm: 1 PLACE DIM ± 0.25; 2 PLACE DIM ± 0.10; ANGULAR DIM ± 2°

DRAWN: T. TUYARA) DATE: 07-21-06
CHECK: SUCHA S. SIAN DATE: 07-21-06
ENG APP: SUCHA S. SIAN DATE: 07-21-06
APP: SUCHA S. SIAN DATE: 07-21-06

DO NOT SCALE DRAWING — SCALE: 2X & NOTED

MATERIAL: NOTED ON COMPONENT PRINTS

REFERENCE: 04687874

THIS IS A COMPUTER AIDED DESIGN DRAWING — SYSTEM: PRO/E
CAD ID. NO.: 59000 FILE NAME: H59000

NAME: CHART - ASSEMBLY
2-WAY FEMALE W/CLIP SLOT
(2.80MM APEX CONN. SYS.)

DRAWING NO.: H59000 — REV.: U

SHEET 1 OF 1

TOOL NO.: A-042 — FILE LOCATION: F102

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

-	-	-	-	-
PART NUMBER F.C.I.	PART NUMBER	REV DATE	REV	DRAWING NUMBER
	CUSTOMER			