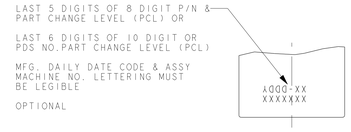
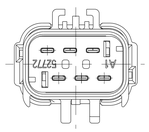
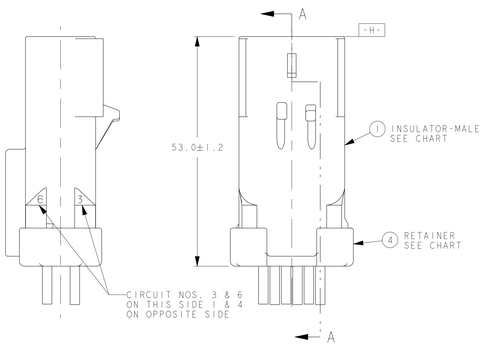
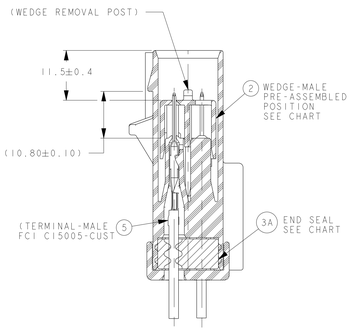
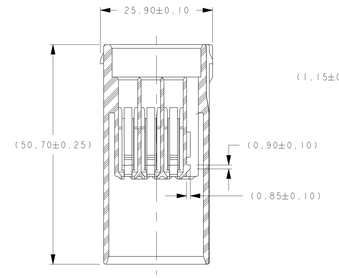




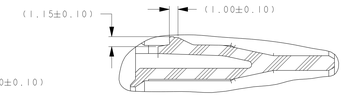




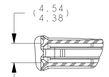
SECTION A-A



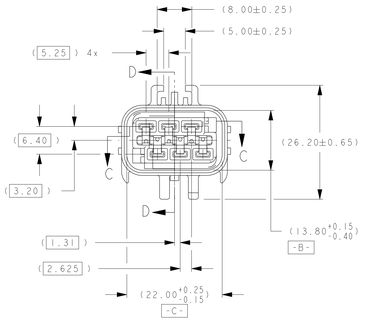
SECTION C-C

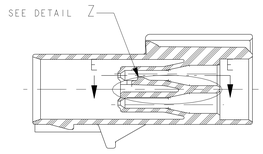


VIEW Z
SCALE 4X



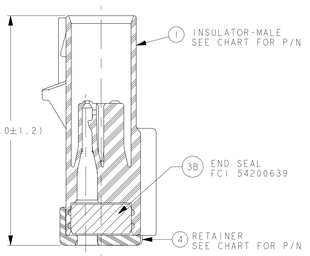
PARTIAL SECTION E-E



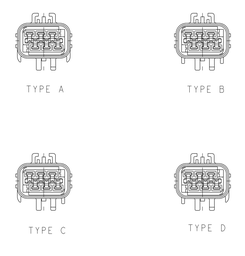


SECTION D-D

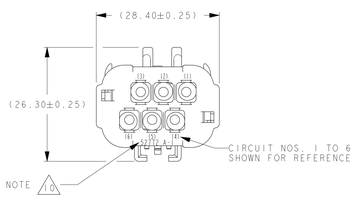
INSULATOR VIEWS FOR REFERENCE



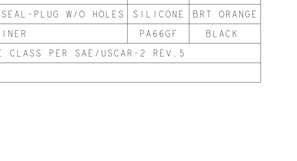
ASSEMBLY VIEW
P/N 54200663



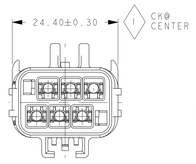
POLARIZATION OPTIONS
FULL SIZE



SEALED ASSEMBLY VIEWS
SEE CHART



SECTION B-B



UNSEALED ASSEMBLY VIEWS
SEE P/N CHART

NOTES:

1. QUALITY ASSURANCE REQUIREMENTS PER CHRYSLER PS-7300; SPC DATA REQUIRED
◇ DIMENSIONAL OR PROCESS PARAMETERS PERMISSIBLE

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. ALL SEALED CONNECTOR APPLICATIONS MUST BE USED WITH THIN WALL X-LINK WIRE INSULATIONS PER MS-8288, MS-9502, ESB-M1L123-A, GMW15626 OR ISO 6722 EQUIVALENTS
   A - ASSEMBLIES WITH END SEAL P/N 54200656 MUST BE USED WITH Ø1.70 MIN. TO Ø2.77 MAX. OD WIRES
   B - ASSEMBLIES WITH END SEAL P/N 54200658 MUST BE USED FOR CIRCUITS 2 & 5 WITH Ø 3.07 TO Ø 4.09 AND 1, 2, 4 & 6 WITH Ø1.70 TO Ø2.77 INSULATION OD ONLY

5. ALL NON-SEALED APPLICATIONS MAY BE USED WITH ANY WIRE INSULATION 22AWG TO 10AWG OR ISO EQUIVALENTS (EXCEPT AS NOTED) PROVIDED THAT A TERMINAL GRIP FOR THAT CORE/INSULATION COMBINATION IS SHOWN ON FCI C15005-CUST MALE TERMINAL DRAWING

   NOTE: MAX. INSULATION CRIMP WIDTH = 4.50
   MAX. INSULATION CRIMP HEIGHT = 4.50
   MAX. INSULATION CRIMP DIA. = 4.09 (10 GA THIN WALL)

6. USE WITH FOLLOWING APPLICABLE COMPONENTS WHEN NEEDED:
CAVITY PLUG FCI P/N 54200005 (CHRYSLER P/N 56038308)
DOUBLE X-MAS TREE CLIP CHRYSLER P/N 04707091
DOUBLE X-MAS TREE CLIP CHRYSLER P/N 04625797
2.80MM APEX MALE TERM PER C15005-CUST SYMMETRICAL ABOUT CENTERLINE FOR 180° ORIENTATION

7. TEST METHOD PER PERFORMANCE SPEC SAE/USCAR-2 REV.3, CONNECTOR ENGAGE & DISENGAGE WITH FEMALE LATCH DEPRESSED FORCE NOT TO EXCEED 90N. FOR THIS SYSTEM

   WEDGE SEATING FORCES - 125N, MAX

   X-MAS TREE CLIP INSERTION FORCES - 75N MAX

8. SUPPLIER, MOLD & CAVITY I.D. SIGNIFIES TOOL OWNERSHIP, FOR REFERENCE

9. 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 & SAE/USCAR-2 REV.5

   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

10. MUST CONFORM TO THE FOLLOWING CHRYSLER/YNA STANDARDS:

    SAE/USCAR-2 REV. 5
    PS-7300 QUALITY ASSURANCE (CHRYSLER)
    MS-9502 SEAL APPL. 150 °C
    MS-8288 SEAL APPL. 125 °C
    PS-9227 DATA EXCHANGE (CHRYSLER), (G009-7 YNA)
    PS-10052 INFORMATION SECURITY (CHRYSLER)

11. THIS DRAWING (H59014) REPLACES CHRYSLER DRAWING NUMBER 04707322 LEVEL "F" DATED 5-22-01
CHRYSLER DRAWING NUMBER IS FOR REFERENCE ONLY

MATING PART NUMBER CHART

INDEX	COLOR	SEALED/ UNSEALED	FCI	CUSTOMER	FCI	CUSTOMER
			MALE ASSEMBLY PART NUMBERS		FEMALE ASSEMBLY PART NUMBER FOR REFERENCE ONLY	
D	NATURAL	UNSEALED	54200607	C 04707335	54200603N	N/A
		UNSEALED	54200607	C 04707335	54200603	C 04707316
		SEALED	54200615	C 04707331	54200611N	N/A
		SEALED	54200615	C 04707331	54200611	C 04707312
C	DK GREY	UNSEALED	54200606	C 04707334	54200602N	N/A
		UNSEALED	54200606	C 04707334	54200602	C 04707315
		SEALED	54200614	C 04707330	54200610N	N/A
		SEALED	54200614	C 04707330	54200610	C 04707311
B	LT GREY	UNSEALED	54200605	C 04707333	54200601N	N/A
		UNSEALED	54200605	C 04707333	54200646	C 04794232AA
		SEALED	54200613	C 04707329	54200609N	N/A
		SEALED	54200613	C 04707329	54200609	C 04707310
A	BLACK	UNSEALED	54200604	C 04707332	54200600N	N/A
		UNSEALED	54200604	C 04707332	54200600	C 04707313
		SEALED	54200612	C 04707328	54200626N	N/A
		SEALED	54200612	C 04707328	54200626	C 56042583AA
		SEALED	54200612	C 04707328	54200608N	N/A
		SEALED	54200612	C 04707328	54200608	C 04707309
		SEALED	54200663	C 04608908AA	54200608	C 04707309
		SEALED	54200661	C 04759912AA	54200660N	N/A
		SEALED	54200661	C 04759912AA	54200660	C 04759914AA

CUSTOMER LEGENDS:
CHRYSLER: C
FORD: F
GENERAL MOTORS: GM
YAZAKI NA: Y

FCI SUPPLIER CODE: 52772 OR 52772H

ASSEMBLY PART NUMBERS

FCI P/N'S	CUSTOMER P/N'S	UNSEALED				SEALED				
54200604	C 04707332									
54200605	C 04707333									
54200606	C 04707334									
54200607	C 04707335									
54200663	C 04608908AA					C 04707328				C 04707328
54200612	C 04707328					C 04707329				C 04707329
54200613	C 04707329					C 04707330				C 04707330
54200614	C 04707330					C 04707331				C 04707331
54200615	C 04707331					C 04759912AA				C 04759912AA
54200661	C 04759912AA									

REQUIRED				REQUIRED					ITEM	FCI P/N	CHRYSLER P/N	PART NAME	MATERIAL	COLOR
1				1	1			1	(1)	54200634	04707323	INSULATOR-MALE INDEX A	PA66GF	BLACK
	1					1			(1)	54200635	04707324	INSULATOR-MALE INDEX B	PA66GF	LT GRY
		1				1			(1)	54200636	04707325	INSULATOR-MALE INDEX C	PA66GF	DK GRY
			1				1		(1)	54200637	04707326	INSULATOR-MALE INDEX D	PA66GF	NATURAL
1	1	1	1	1	1	1	1	1	(2)	54200647	04707327	WEDGE-MALE	PA66GF	RED
X	X	X	X		1	1	1	1	(3A)	54200656	04707307	END SEAL MALE STANDARD	SILICONE	DK BLUE
X	X	X	X					1	(3A)	54200658	N/A	END SEAL MALE HYBRID	SILICONE	LT BLUE
X	X	X	X	1					(3B)	54200639	N/A	END SEAL-PLUG W/O HOLES	SILICONE	BRT ORANGE
X	X	X	X	1	1	1	1	1	(4)	54200652	04707337	RETAINER	PA66GF	BLACK
3	3	3	3	3	3	3	3	3	3	CONNECTOR ASSEMBLY TEMPERATURE CLASS PER SAE/USCAR-2 REV.5				
A	A	A	C	F	C	B	B	B	D	PART CHANGE LEVEL (PCL)				
SEE NOTE 5				PLUG	SEE NOTE 4A				SEAL	4B				
WIRE GAGE				WIRE GAGE										

12-00878	ALL	REVISED & REDRAWN IN PDS, PART NUMBER CHARTS UPDATED AND NOTES REVISED SEE REV F2 FOR PREVIOUS CHANGES	B
ECN NO.	ZONE	CHANGE DESCRIPTION	

PRODUCT SPEC: APEX 2.8 | PACKAGING SPEC: - | APPLICATION SPEC: - | THIS DRAWING AND ALL OTHER INFORMATION CONTAINED THEREIN IS PROPRIETARY AND THE PROPERTY OF FCI. This drawing may not be copied, reproduced or disclosed to any third party without the expressed written permission of FCI. FCI ©1999

TOLERANCES: UNLESS OTHERWISE SPECIFIED ANGULAR ± 1° | 2 PLACE DEC ± 0.25 | 3 PLACE DEC ± 0.10 | MATERIAL: SEE CHART | SURFACE FINISH: - | CAD SYSTEM: pro / eng.

CUSTOMER #: H50007 | COLOR: SEE CHART - - | 3RD ANGLE | DIMENSION IN MILLIMETERS | SIZE: A0

DO NOT MEASURE DRAWING | TOOL NO.: 8051 | ECO Loc. Code: AN | APPROVAL LEVEL: -

	DATE	NAME
CREATED BY	2002.03.26	ANUP SRIVASTAVA
MODIFIED BY	2010/07/14	Sachin Sahh
CHECKED BY	2010/07/14	Mark McAJOR
APPROVED BY	2010/07/14	Frank HOLLER

TITLE: CHART - ASSEMBLY 6 - WAY MALE | DRAWING NUMBER: H59014 | REV.: G

PROJECT: 2.8MM APEX CONNECTOR SYSTEM | STATE: SERIAL RELEASED | SHEET: 1 of 2

PART NUMBER: USA-WT252 | CAT. NO: - | REV.: - | See Table

FILE NAME: H59014 | DOCUMENT UNDER PDS CONTROL NO MODIFICATION ALLOWED OUTSIDE | SCALE 2.00