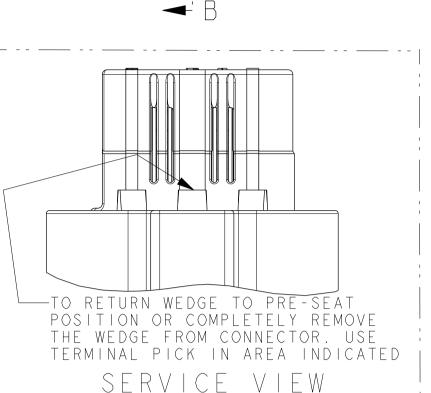
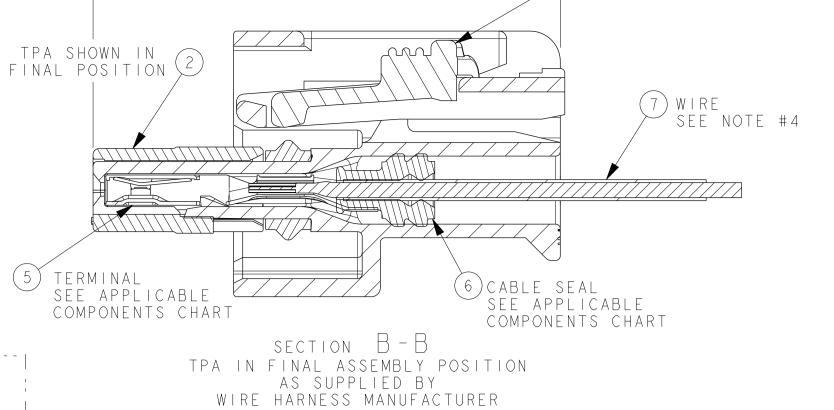


PRE-ASSEMBLY POSITION AS

SUPPLIED BY CONNECTOR

MANUFACTURER

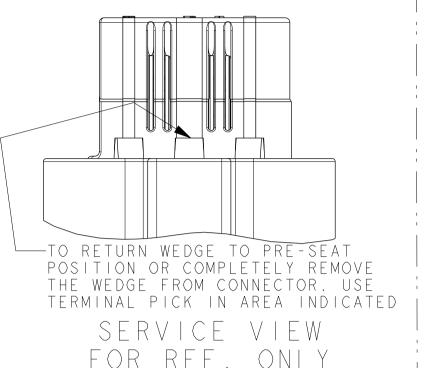


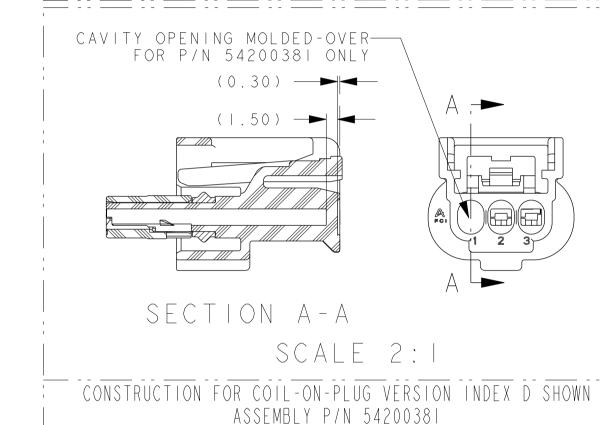


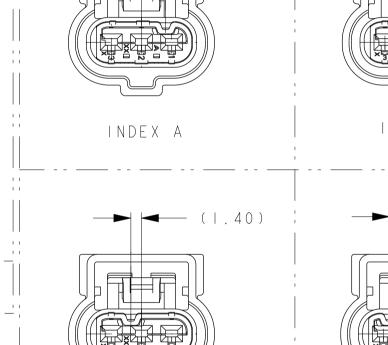
4 CPA-OPTIONAL PRE-ASSY POSITION

30.9±0.3 DIMENSION TO BE VERIFIED BY

WIRE HARNESS SUPPLIER

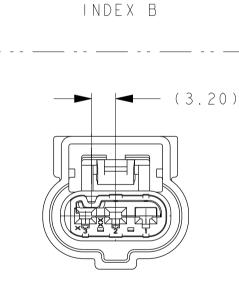






INDEX C

(3.20)



INDEX D

⊢ (1.40)¦

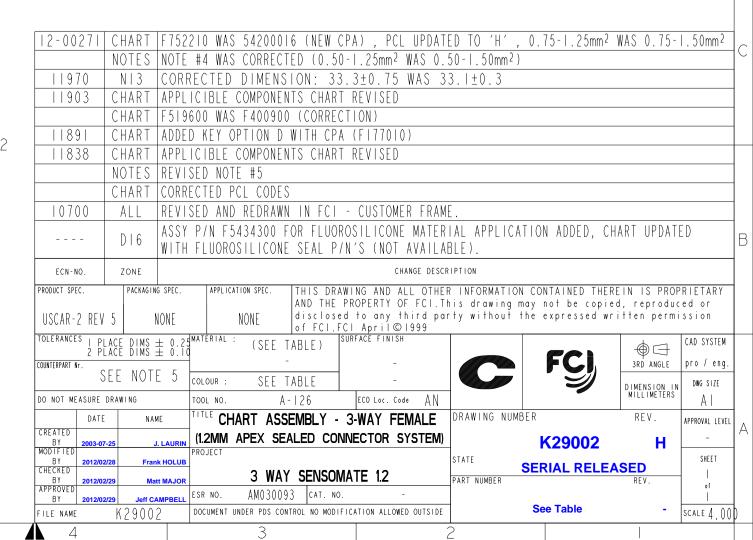
SCALE I:I

COMPONENTS CONNECTOR ΤΡΑ RING SEAL RING SEAL CPA (RED) INSULATOR ΚΕΥ ASSEMBLY TEMPERATURE (DK. BLUE) (BURNT ORANGE) (DK. GREEN) (OPTIONAL (HOUSING) CLASS PER OPTIONSL P/N′S ITEM-I SAE/USCAR-2 REV 3 1 T E M - 2 1 T E M - 3 1 T E M - 4 COLOR | PA66 GF 35 | PA66 GF 35 SILICONE | FLUROSILICONE | PA66 GF 35 54200378 | H BLACK 54200382 | 54200386 54200379 H 54200383 | 54200387 .T. GREYL 54200392 NΑ NΑ 54200380 H 54200384 54200388 BROWN DK. GREY 54200385 54200389 54200381 H BLACK | 54200382 | 54200386 F534300 H N A C434300 N A F519600 H BLACK 54200382 | 54200386 F500900 H T. GREY 54200383 54200387 54200392 F752210 NΑ F600900 | H 54200384 54200388 BROWN F I 7 7 0 I 0 H DK. GREY 54200385 54200389

	APPLICABLE COMPONENTS								
С	ITEM NO.	ITEM DESCRIPTION	PLATING OR COLOR	FORD COMP PART NUMBER (REFERENCE ONLY)	SUPPLIER	SUPPLIER COMP PART NUMBER	GRIP CODE	WIRE SIZE	MATERIAL/SPEC NO
	5	I.20 SYSTEM TERMINAL	TIN	AU5T-14474-MA	FCI	54001864	18	16/18 AWG 0.75-1.25mm ²	COPPER ALLOY / NA
		1.20 SYSTEM TERMINAL	TIN	AU5T-14474-NA	FCI	54002006	20	20 AWG 0.50mm ²	COPPER ALLOY / NA
S CO4 112 F29 PDS B B CO4 112 F29 PDS		1.20 SYSTEM TERMINAL	TIN/SILVER	AU5T-14474-PA	FCI	54001866	18	16/18 AWG 0.75-1.25mm ²	COPPER ALLOY / NA
		1.20 SYSTEM TERMINAL	TIN/SILVER	AU5T-14474-RA	FCI	54002007	20	20 AWG 0.50mm ²	COPPER ALLOY / NA
		I.20 SYSTEM TERMINAL	SILVER	AU5T-14474-SA	FCI	F731400	18	16/18 AWG 0.75-1.25mm ²	COPPER ALLOY / NA
		I.20 SYSTEM TERMINAL	SILVER	AU5T-14474-TA	FCI	F 9 3 I 4 0 0	20	20 AWG 0.50mm ²	COPPER ALLOY / NA
		I.20 SYSTEM TERMINAL	GOLD	AU5T-14474-UA	FCI	54001863	18	16/18 AWG 0.75-1.25mm ²	COPPER ALLOY / NA
		I.20 SYSTEM TERMINAL	GOLD	AU5T-I4474-VA	FCI	54002005	20	20 AWG 0.50mm ²	COPPER ALLOY / NA
	6	I.20 SYSTEM CABLE SEAL ROUND	RUST RED	AU5T-10C930-BA	FCI (QSR)	C528010 (A-0419)	-	16/18 AWG 1.00-1.25mm ²	SILICONE
		I.20 SYSTEM CABLE SEAL ROUND	BLUE	AU5T-14603-EA	FCI (QSR)	54200391 (A-0131)	-	20 AWG 0.50-0.75mm ²	SILICONE
		1.20 SYSTEM CAVITY PLUG	GREEN	AU5T-10C930-CA	FCI (QSR)	C628010 (A-0412)	-	-	SILICONE

NOTES:

- I) VALIDATED TO SAE/USCAR-2 REV 3 WITH THE FOLLOWING EXCEPTION(S): - SECTION 5.4.5 (Misc. Comp. Engage/Disengage)
- CPA LOCKED TO PRE-STAGE 8N-3ŎN (FCI REQUÍREMENT) - SECTION 5.4.1 (Terminal - Connector Insertion/Extraction Force)
- INSERTION OF TERMINAL INTO CAVITY NOT TO EXCEED 2 IN - SECTION 5.4.4 (Polarization Feature Effectiveness)
- > 160N FOR ALL COMBINATIONS - SECTION 5.4.2 (Connector-Connector Mating/Unmating Force) >95N UNMATING FORCE.
- 2) VALIDATED TO THE FOLLOWING TEMP, VIBRATION, AND SEALING CLASSES: - GMW3191 SECTION 4.28 V4 T4 (155°C) WITH GOLD OR SILVER TERMINALS
 - SAE/USCAR-2 V3 T4 (I50°C) WITH GOLD OR SILVER TERMINALS
 - SAE/USCAR-2 V3 T3 (125°C) WITH TIN/SILVER TERMINALS
 - SAE/USCAR-2 V2 T3 (125°C) WITH TIN TERMINALS - SAE/USCAR-2 SEALING S3 T4 (I50°C)(ISOI6750 9K EQUIVELENT)
- 3) CONNECTOR MAY BE USED WITH THE FOLLOWING TERMINALS: - FCI APEX 1.2 TERMINALS LISTED IN THE APPLICABLE COMPONENTS CHART ON
- THIS DRAWING WITH WIRE SIZES DEFINED IN NOTE 4
- SEE FCI DRAWING C18001-1-2-CUST FOR SPECIFIC TERMINAL DETAILS AND CRIMPING REQUIREMENTS - PLATING OF TERMINALS AND MATING DEVICE BLADES MUST BE COMPATIBLE
- 4) CONNECTOR SYSTEM HAS BEEN VALIDATED TO USCAR-2 REQUIREMENTS WITH THE FOLLOWING RANGE OF WIRE SIZES AND TYPES IN CONJUNCTION WITH APPROPRIATE COMPONENTS FOUND IN THE "APPLICABLE COMPONENTS" CHART:
 - WIRE SIZES: 0.50mm^2 1.25mm^2 and 20 AWG 16 AWG- OUTSIDE DIAMETER: 1.40mm MIN - 2.41mm MAX
- TYPE/STANDARD: MILI23-A, MS-8288, MS-9502, ES-AU5T-1A348-AA, ISO 6722 - WIRE AND INSULATION TYPE MUST BE APPROPRIATE FOR TEMPERATURE
- CLASS & APPLICATION ENVIRONMENT 5) CONNECTOR IS MATE COMPATIBLE WITH DEVICES WHICH CONFORM WITH THE
- FOLLOWING USCAR INTERFACE SPECIFICATIONS:
 - 120-S-003-1-Z01 (WITH EWCAP-001 TYPE 120-T BLADES) - 120-S-003-1-Z02 (WITH EWCAP-001 TYPE 120-T BLADES)
- 6) ANNUAL QUALITY REQUIREMENTS: - IT IS PERMISSIBLE TO PERFORM CONTINUOUS CONFORMANCE PER FCI SPECIFICATION #AQA-001 INSTEAD OF ANNUAL LAYOUT AND ANNUAL PV REQUIREMENTS OF ISO TS16949 AND SAE/USCAR-2 REV 5. FOR TERMINAL TO CONNECTOR AND TPA TO CONNECTOR ONLY.
- 7) SOURCE ID, MOLD & CAVITY ID SIGNIFIES TOOL OWNERSHIP, FOR REFERENCE
- 8) (K) INDICATES IN-PROCESS INSPECTION FOR MANUFACTURING DIMENSIONS OR SPECIFICATIONS.



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