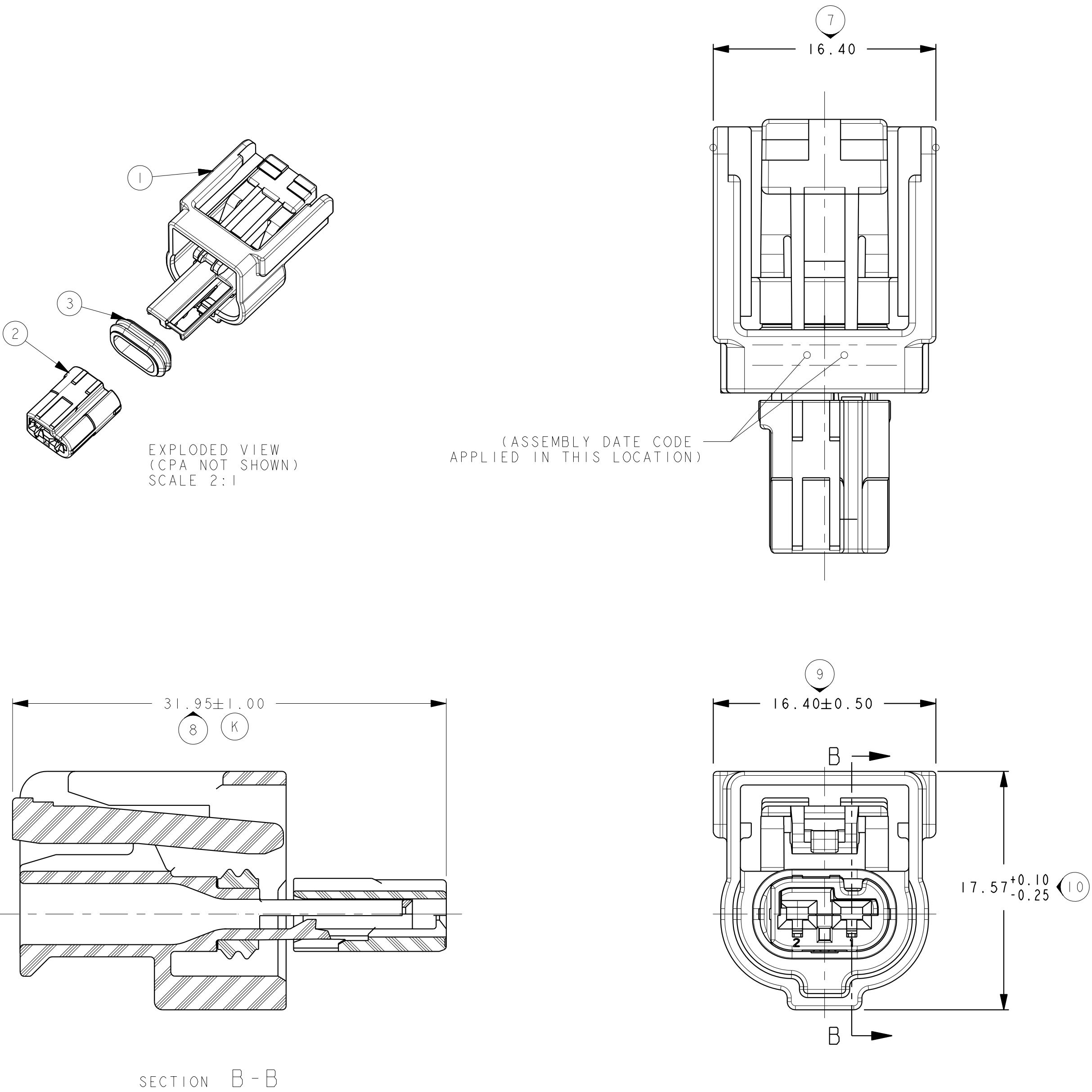
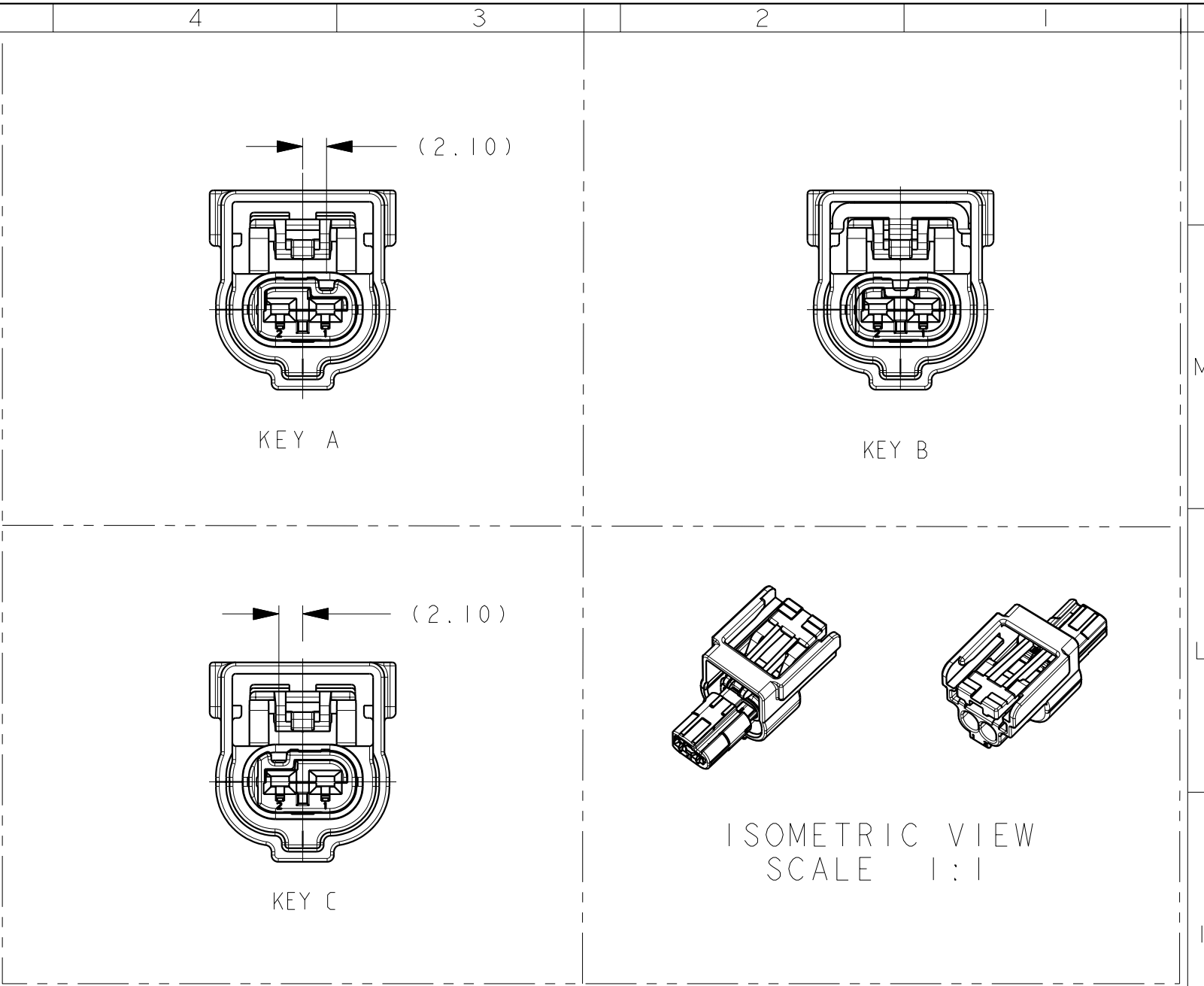


ASSEMBLY NUMBER	PCL	KEY OPTION	COLOR	COMPONENTS			
				INSULATOR (HOUSING)	TPA (BLUE)	RING SEAL (GREEN)	CPA (RED) (OPTIONAL)
				ITEM 1	ITEM 2	ITEM 3	ITEM 4
				PA66 GF35	PA66 GF35	SILICONE	PA66 GF35
F495100		A	BLACK	S106100	S506100	C895100	54200016
F595100		B	LT GRAY	S206100	S606100		
F695100		C	BROWN	S306100	S706100		
F460400		A	BLACK	S106100	S506100		
F560400		B	LT GRAY	S206100	S606100		
F660400		C	BROWN	S306100	S706100		

APPLICABLE COMPONENTS								
ITEM NO.	ITEM DESCRIPTION	PLATING OR COLOR	FORD COMP PART NUMBER	SUPPLIER	SUPPLIER COMP PART NUMBER	GRIP CODE	WIRE SIZE	MATERIAL/SPEC NO
5	1.20 SYSTEM TERMINAL	TIN	AU5T-14474-MA	FCI	54001864	18	16/18 AWG 0.75-1.50mm ²	COPPER ALLOY / NA
	1.20 SYSTEM TERMINAL	TIN	AU5T-14474-NA	FCI	54002006	20	20 AWG 0.50mm ²	COPPER ALLOY / NA
	1.20 SYSTEM TERMINAL	TIN/SILVER	AU5T-14474-PA	FCI	54001866	18	16/18 AWG 0.75-1.50mm ²	COPPER ALLOY / NA
	1.20 SYSTEM TERMINAL	TIN/SILVER	AU5T-14474-RA	FCI	54002007	20	20 AWG 0.50mm ²	COPPER ALLOY / NA
	1.20 SYSTEM TERMINAL	SILVER	AU5T-14474-SA	FCI	F731400	18	16/18 AWG 0.75-1.50mm ²	COPPER ALLOY / NA
	1.20 SYSTEM TERMINAL	SILVER	AU5T-14474-TA	FCI	F931400	20	20 AWG 0.50mm ²	COPPER ALLOY / NA
	1.20 SYSTEM TERMINAL	GOLD	AU5T-14474-UA	FCI	54001863	18	16/18 AWG 0.75-1.50mm ²	COPPER ALLOY / NA
	1.20 SYSTEM TERMINAL	GOLD	AU5T-14474-VA	FCI	54002005	20	20 AWG 0.50mm ²	COPPER ALLOY / NA
6	1.20 SYSTEM CABLE SEAL ROUND	RUST RED	AU5T-10C930-BA	FCI (QSR)	C528010 (A-0419)	-	16/18 AWG 1.00-1.25mm ²	SILICONE
	1.20 SYSTEM CABLE SEAL ROUND	BLUE	AU5T-14603-EA	FCI (QSR)	54200391 (A-0131)	-	20 AWG 0.50-0.75mm ²	SILICONE
	1.20 SYSTEM SEAL PLUG	GREEN	AU5T-10C930-CA	FCI (QSR)	C628010 (A-0412)	-	-	SILICONE



NOTES:

- VALIDATED TO SAE/USCAR-2 REV 5 WITH THE FOLLOWING EXCEPTION(S):
 - SECTION 5.4.5 (Misc. Comp. Engage/Disengage)
 - CPA LOCKED TO PRE-STAGE 8N-30N (FCI REQUIREMENT)
- 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 (150°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 (150°C) (ISO16750 9K EQUIVALENT)
- 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
- 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: 0.50mm² - 1.50mm² and 20AWG - 16AWG
 - OUTSIDE DIAMETER: 1.40mm MIN - 2.41mm MAX
 - TYPE/STANDARD: MIL-123-A, MS-8268, MS-9502, ESAU5T-1A348-AA, ISO 6722
 - WIRE AND INSULATION TYPE MUST BE APPROPRIATE FOR TEMPERATURE CLASS & APPLICATION ENVIRONMENT
- CONNECTOR IS MATE COMPATIBLE WITH DEVICES WHICH CONFORM WITH THE FOLLOWING USCAR INTERFACE SPECIFICATIONS:
 - 120-S-002-1-Z01 (WITH EWCAP-001 TYPE 120-T BLADES)
 - 120-S-002-1-Z02 (WITH EWCAP-001 TYPE 120-T BLADES)
- 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.
- SOURCE ID, MOLD & CAVITY ID SIGNIFIES TOOL OWNERSHIP, FOR REFERENCE
- (K) INDICATES IN-PROCESS INSPECTION FOR MANUFACTURING DIMENSIONS OR SPECIFICATIONS.

11902	CHART	REVISED APPLICABLE COMPONENTS CHART
11840	CHART	REVISED APPLICABLE COMPONENTS CHART
	NOTES	NOTE #5 REVISED
11766	CHART	REVISED APPLICABLE COMPONENTS CHART
	NOTES	NOTES REVISED - CLARIFIED WIRE REQUIREMENTS
11615	CHART	REVISED APPLICABLE COMPONENTS CHART
10972	-	RELEASE FOR PRODUCTION
ECN NO.	ZONE	CHANGE DESCRIPTION
PRODUCT SPEC.	PACKAGING SPEC.	APPLICATION SPEC.
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TOLERANCES	±0.1	±2*
CONTRACTOR:	MATERIAL:	SURFACE FINISH
DO NOT MEASURE DRAWING	TOOL NO.	ECO Loc. Code
DATE	NAME	TITLE
20070917	JE HANNAH/DAWNEY	2W Sensomate 12 Assembly Key A
20110913	FRANK HOLUB	PROJECT
20110914	SHARON SHAN	12MM USCAR INTERFACE
20110914	JOHN CAMPBELL	ECN NO.
FILE NAME	PCC0538662	DOCUMENT UNDER PDS CONTROL NO MODIFICATION ALLOWED OUTSIDE
4	3	2
16	15	14
13	12	11
10	9	8
7	6	5
4	3	2
1		

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