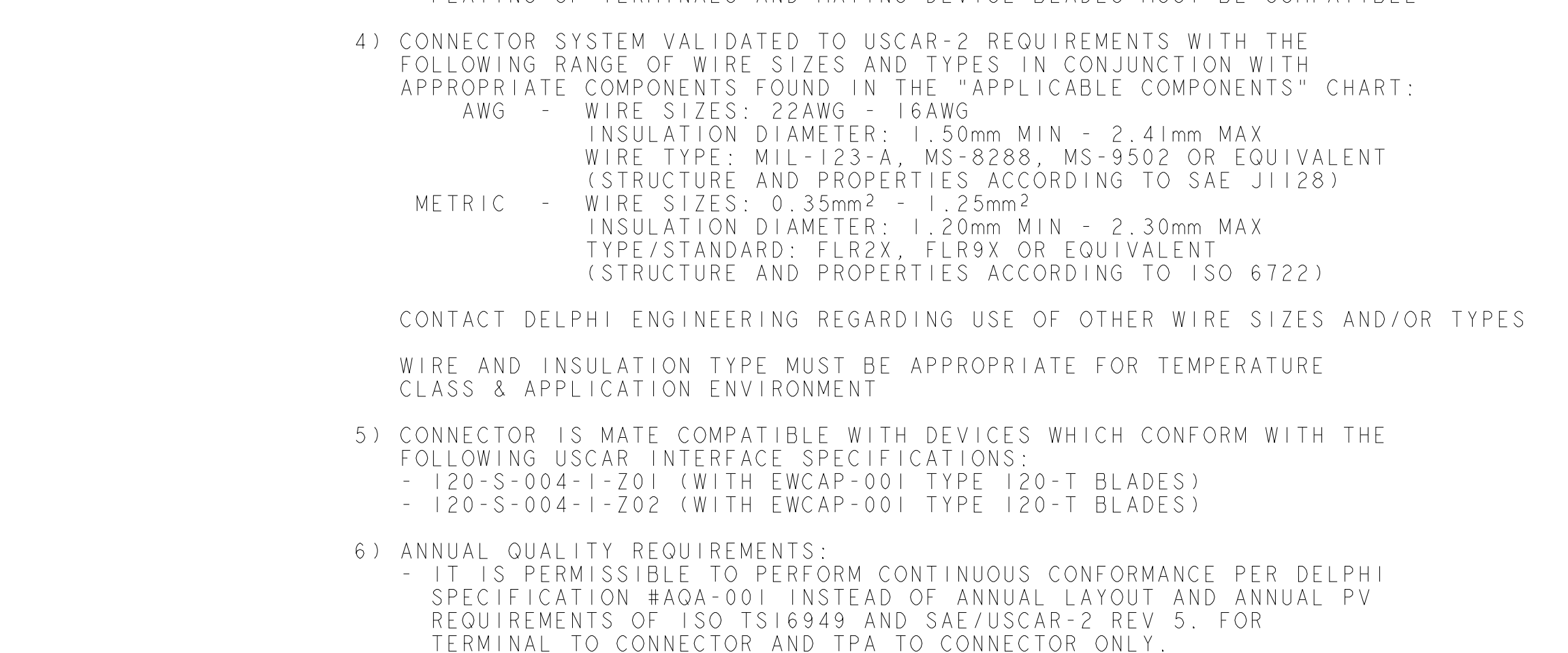
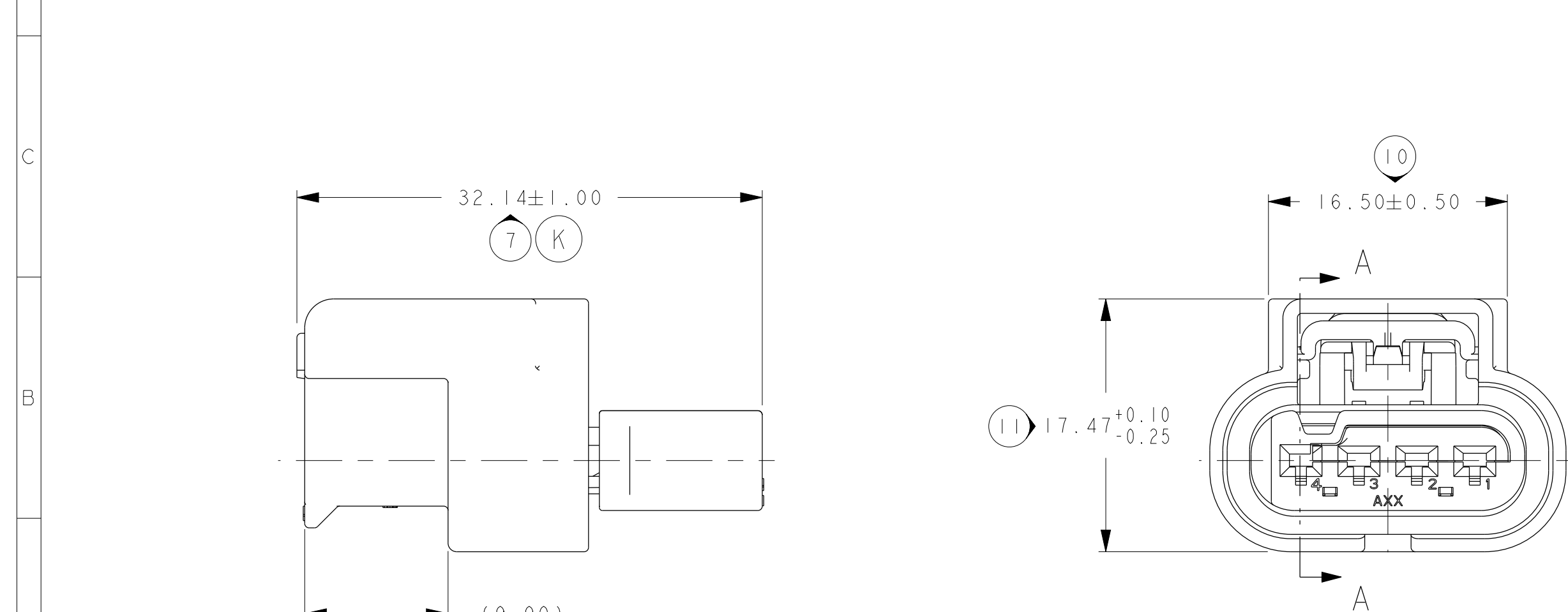
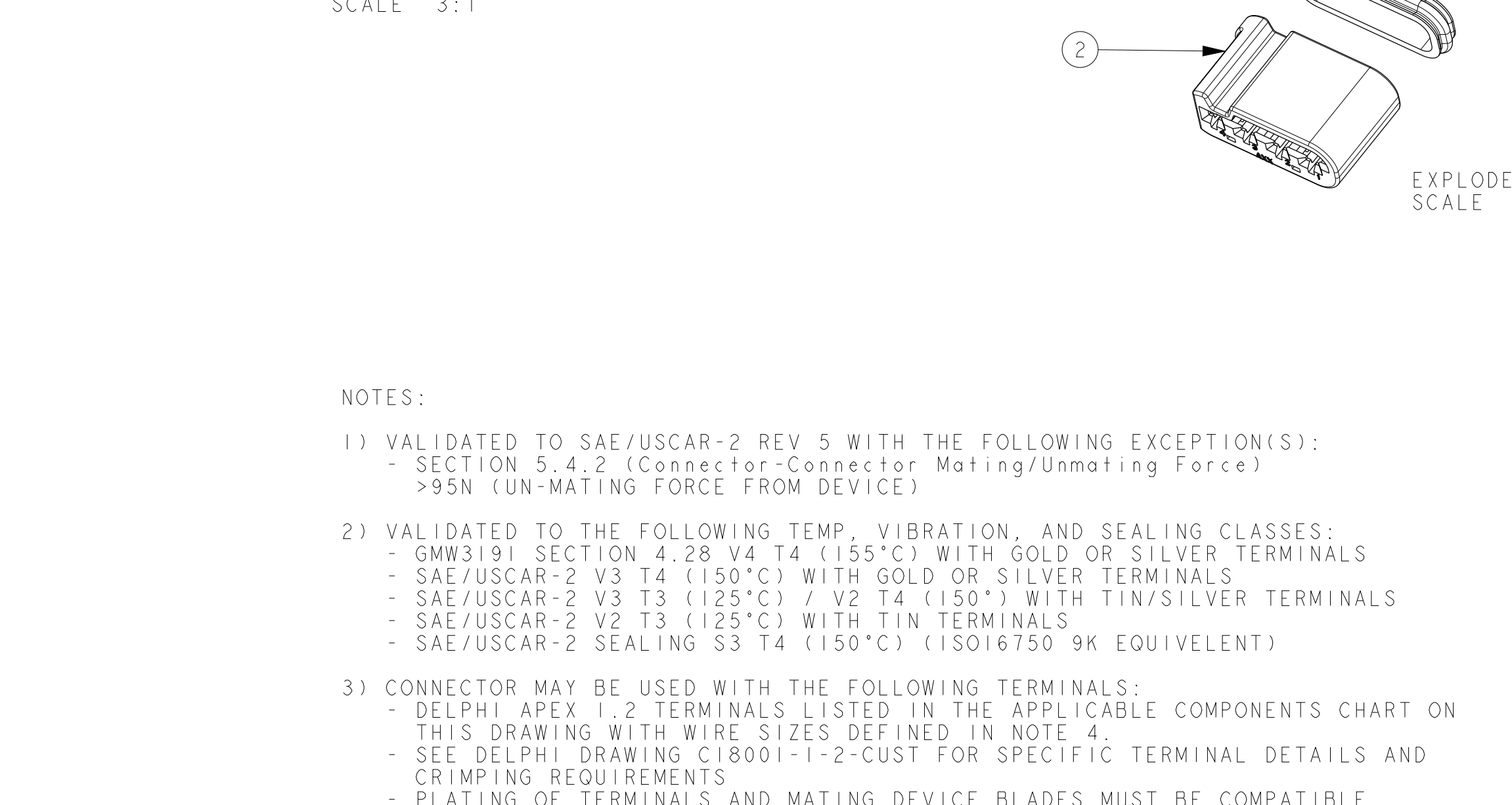
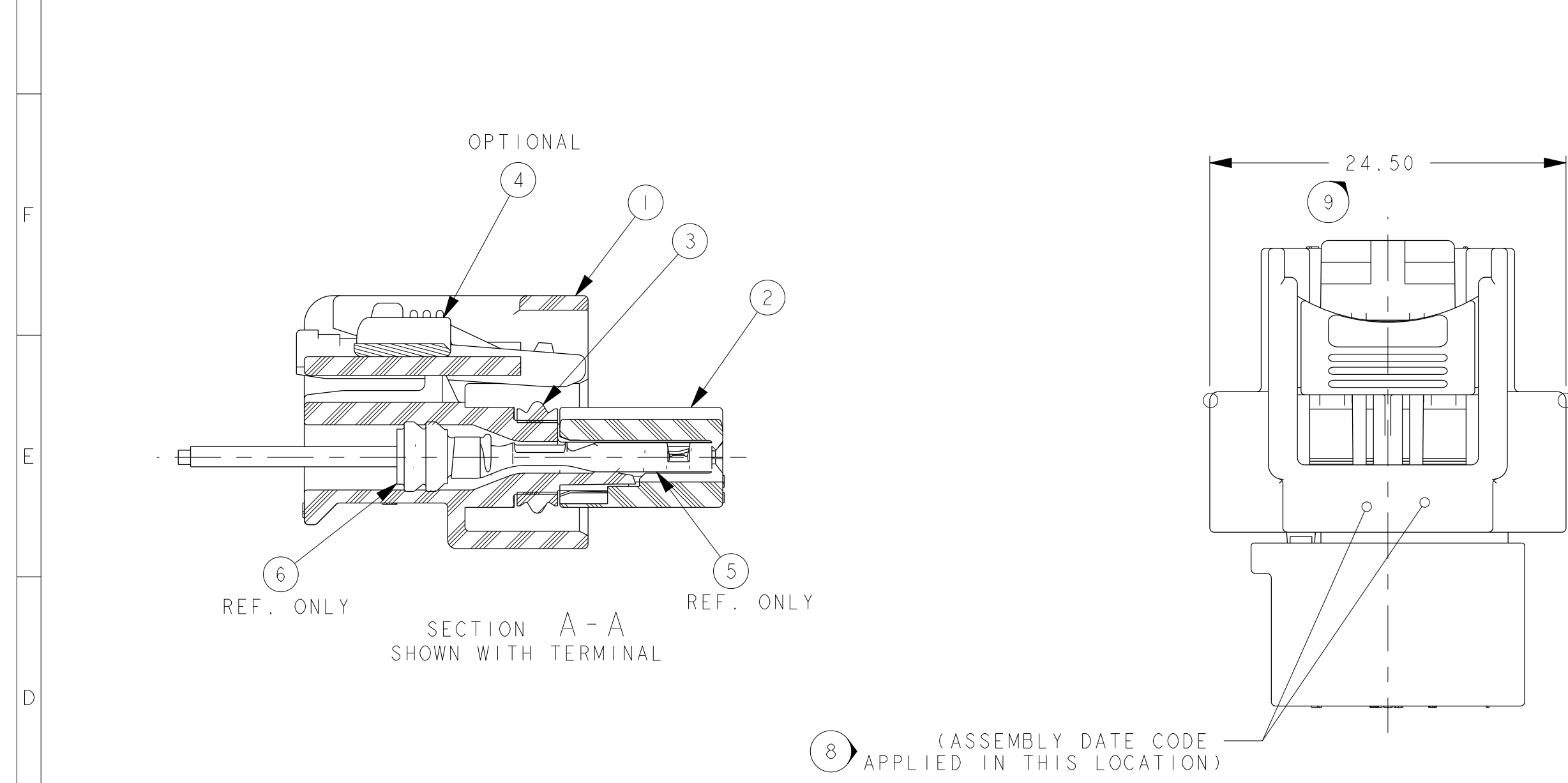
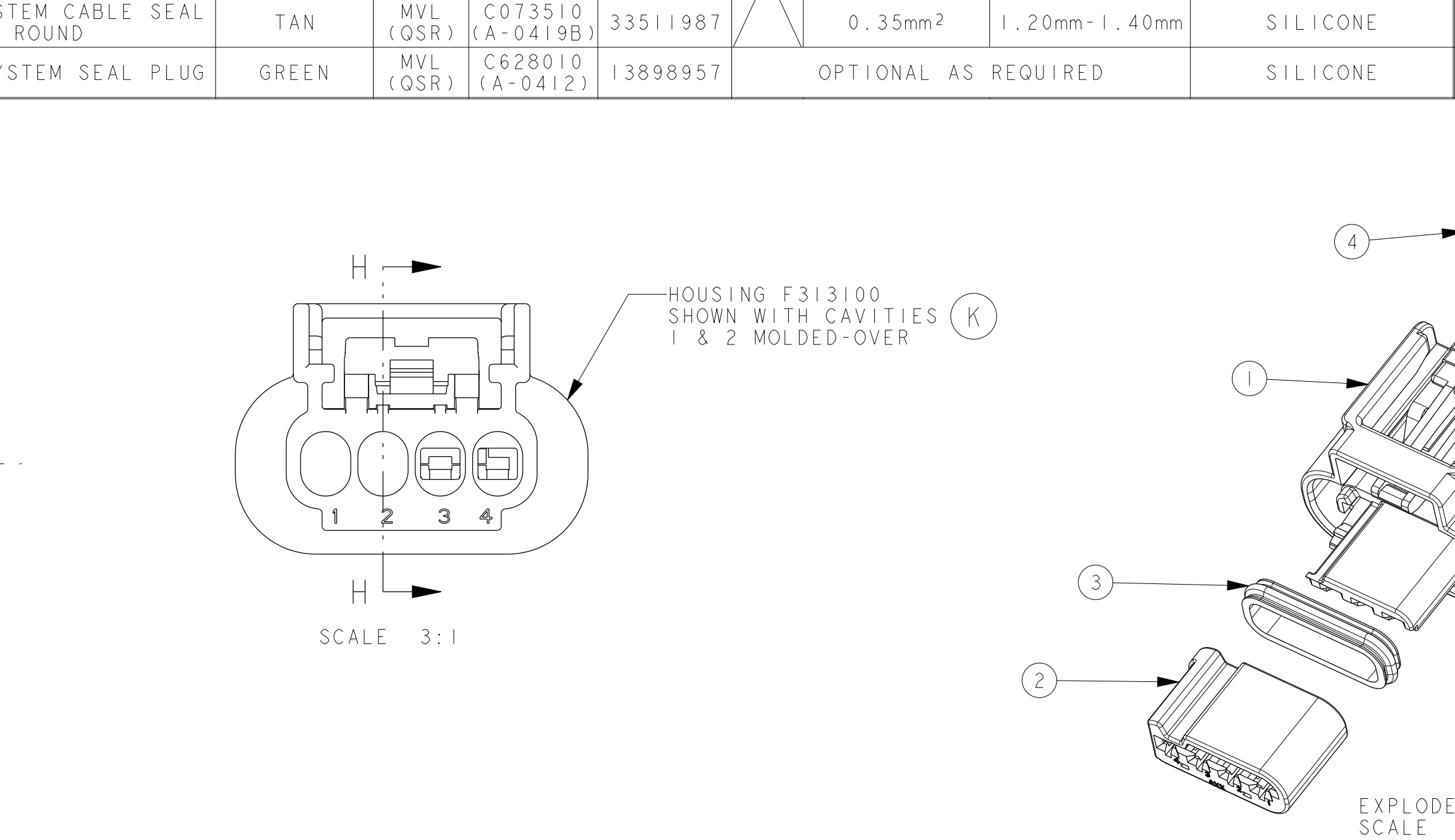
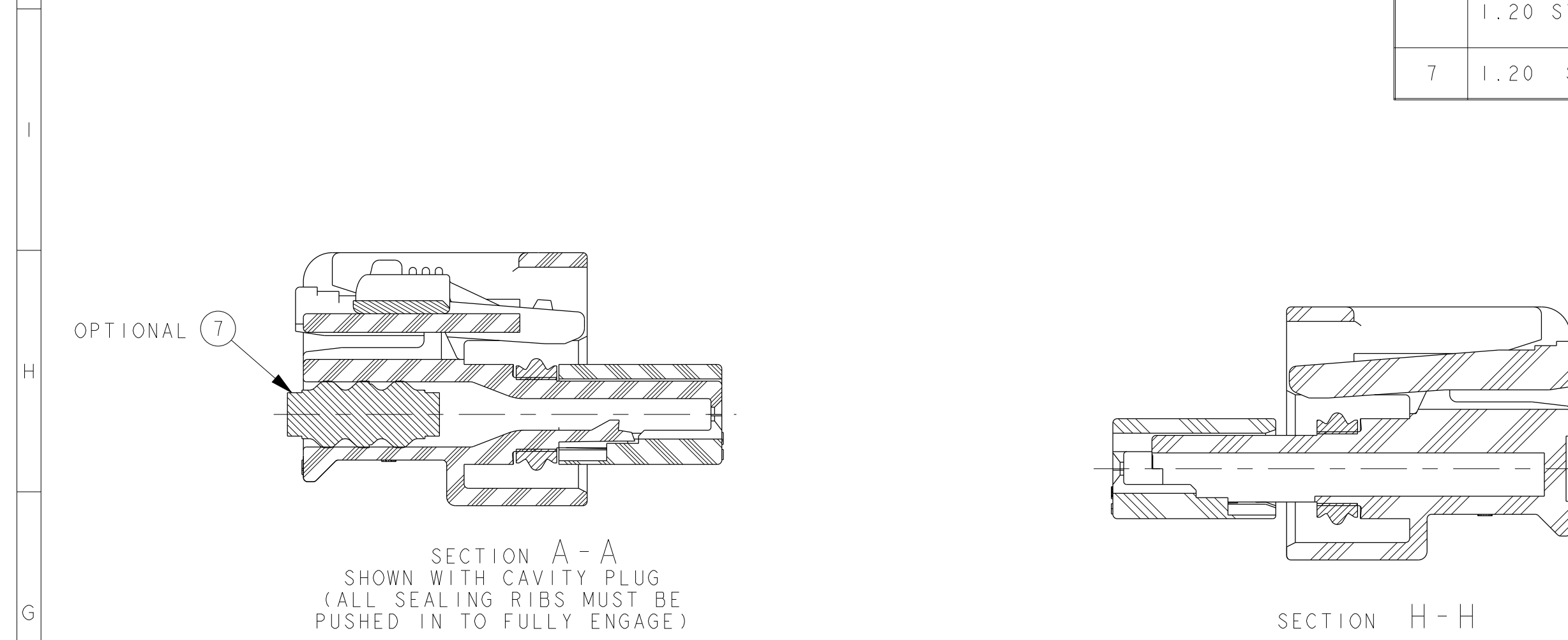
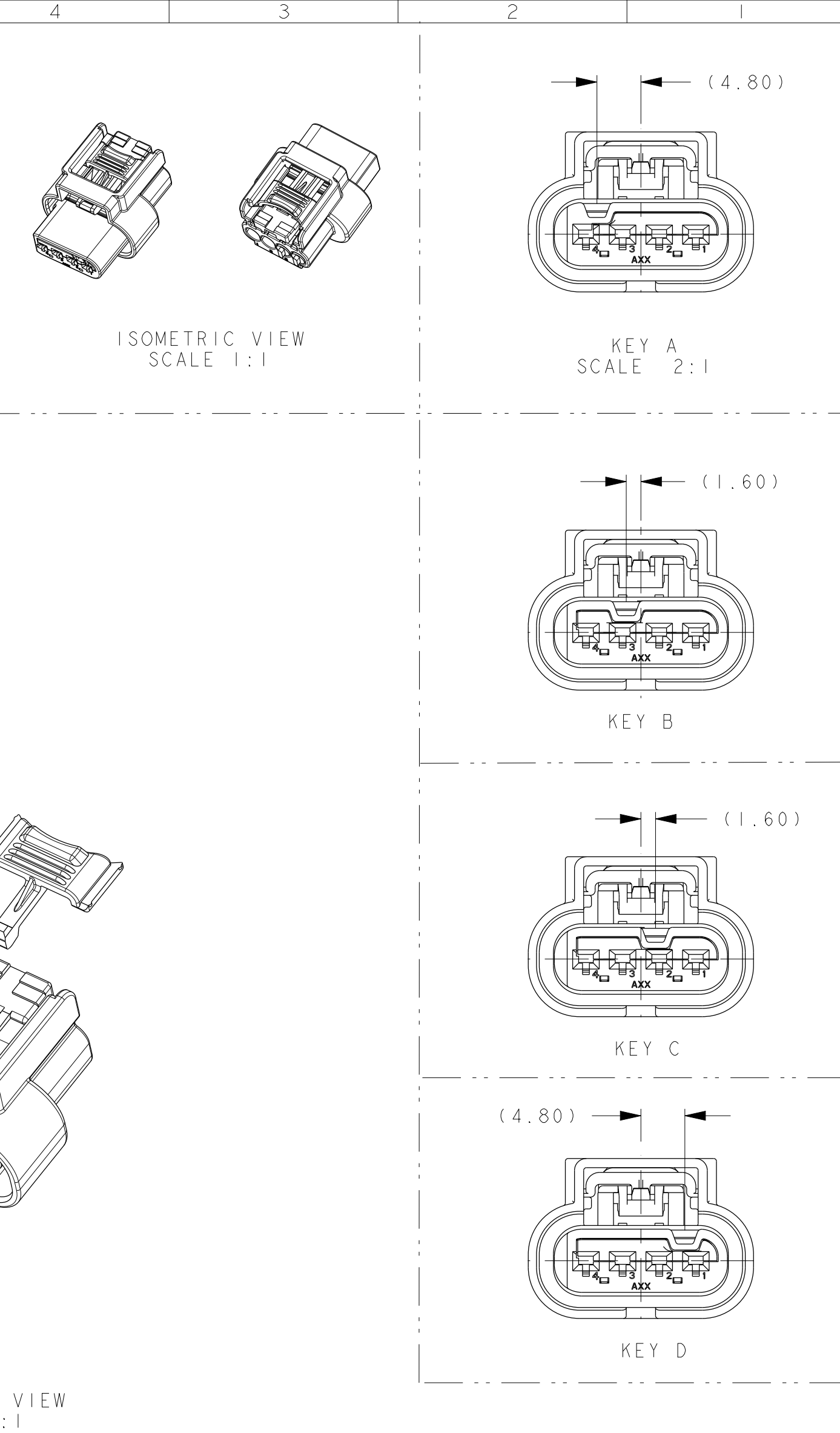


	16				15				14				13				12							
ASSEMBLY PART NUMBER CHART																								
PART NUMBERS				KEY OPTION	COLOR	MOLDED-OVER POSITIONS				COMPONENTS														
DELPHI	REV	MVL	REV			INSULATOR (HOUSING)	TPA (BLUE)	RING SEAL (BLUE)	CPA (RED)															
										1	2	3	4											
										PA66 GF35	PA66 GF35	SILICONE	PA66 GF35											
M	33511378	02	F405100	B	A	BLACK	X	X			F313100	F481100	F342100	F752210										
	33511379	01	F192100	A	A	BLACK	X	X						N/A										
	13965727	02	F782100	B	A	BLACK								F971100										
	33511380	02	F882100	B	B	LT GRAY					F181100	F581100		F752210										
	-	-	N/A	-	C	DK GRAY					F281100	F681100												
	-	-	N/A	-	D	BLACK					F381100	F781100												
L	13820427	01	F881100	A	A	BLACK					F971100	F481100	F342100	N/A										
	33511381	01	F981100	A	B	LT GRAY					F181100	F581100												
	-	-	N/A	-	C	DK GRAY					F281100	F681100												
	-	-	N/A	-	D	BLACK					F381100	F781100												
	13856391	01	F095900	A	A	BLACK			X		F225900													
	33400263	01	-	-	A	BLACK		X	X		33400261	F481100												
	33400264	01	-	-	A	BLACK			X		33400262													

APPLICABLE COMPONENTS CHART									
ITEM NO.	DESCRIPTION	PLATING OR COLOR	SUPPLIER		DELPHI	GRIP CODE	WIRE SIZE	INSULATION DIAMETER RANGE	MATERIAL/SPEC NO
			NAME	NUMBER					
5	1.20 SYSTEM TERMINAL	TIN	MVL	54001864	13576990	18	18-16 AWG 0.75-1.25mm ²	1.70mm-2.41mm	COPPER ALLOY / NA
	1.20 SYSTEM TERMINAL	TIN	MVL	54002006	13806233	20	22-20 AWG 0.35-0.50mm ²	1.20mm-1.90mm	COPPER ALLOY / NA
	1.20 SYSTEM TERMINAL	TIN/SILVER	MVL	54001866	13587331	18	18-16 AWG 0.75-1.25mm ²	1.70mm-2.41mm	COPPER ALLOY / NA
	1.20 SYSTEM TERMINAL	TIN/SILVER	MVL	54002007	15521522	20	22-20 AWG 0.35-0.50mm ²	1.20mm-1.90mm	COPPER ALLOY / NA
	1.20 SYSTEM TERMINAL	SILVER	MVL	F731400	13805376	18	18-16 AWG 0.75-1.25mm ²	1.70mm-2.41mm	COPPER ALLOY / NA
	1.20 SYSTEM TERMINAL	SILVER	MVL	F931400	13805375	20	22-20 AWG 0.35-0.50mm ²	1.20mm-1.90mm	COPPER ALLOY / NA
	1.20 SYSTEM TERMINAL	GOLD	MVL	54001863	13579640	18	18-16 AWG 0.75-1.25mm ²	1.70mm-2.41mm	COPPER ALLOY / NA
	1.20 SYSTEM TERMINAL	GOLD	MVL	54002005	13827658	20	22-20 AWG 0.35-0.50mm ²	1.20mm-1.90mm	COPPER ALLOY / NA
	1.20 SYSTEM CABLE SEAL ROUND	RUST RED	MVL (QSR)	C528010 (A-0419)	13898958	X	18-16 AWG 1.00-1.25mm ²	1.90mm-2.41mm	SILICONE
6	1.20 SYSTEM CABLE SEAL ROUND	GREEN	MVL (QSR)	(A-0419C)	33402838		22-20 AWG 0.50-0.75mm ²	1.40mm-1.90mm	SILICONE
	1.20 SYSTEM CABLE SEAL ROUND	TAN	MVL (QSR)	C073510 (A-0419B)	33511987		0.35mm ²	1.20mm-1.40mm	SILICONE
7	1.20 SYSTEM SEAL PLUG	GREEN	MVL (QSR)	C628010 (A-0412)	13898957	OPTIONAL AS REQUIRED			SILICONE



ECN-13-01301	APP CHART	ADDED GREEN CABLE SEAL 33402838, REMOVED BLUE CABLE SEAL 54200391/13576991
ECN-13-01016	PART BOM	ECO 423850 - CORRECT PART REV FOR 3 DELPHI AND 3 MVL PART NUMBERS ECO 423850
ECN-13-01009	NOTES	UPDATE VIEWS FOR DESIGN IMPROVEMENT TO CPA F752210 REVISED NOTE 2 - UPDATE PERFORMANCE DATA FOR TIN/SILVER PLATING
13-00686	APP CHART	CORRECT DELPHI P/N FOR TAN SEAL - 33511987 WAS 33511342
13-00105	PART BOM	ECO 422555 - DELPHI P/N'S ADDED FOR MVL PARTS WITH REV LEVELS CHARTS AND NOTES UPDATED FCI REPLACED WITH MVL, VIEWS RE-ALIGNED WITH 3:1 SCALE
12-01304	APP CHRT	ADDED PART NUMBERS 33400263 & 33400264 ADD 0.35 CABLE SEAL C073510, ADD 0.35mm ² AND 22 AWG WIRE
	PART BOM	KEY OPTION C WAS BROWN, KEY OPTION D WAS DK GRAY
	NOTES	CORRECT AND REVISE NOTE 4
12-00612	CHARTS	RE-ACTIVATE PART NUMBERS F405100, F782100 AND F882100
	CHARTS	CPA PART NUMBER F752210 WAS 54200016
	CHARTS	REVISED "APPLICABLE COMPONENTS CHART"
	NOTES	REVISED NOTE 4
11899	CHARTS	REVISED "APPLICABLE COMPONENTS" CHART
11835	CHARTS	ADDED ASM NUMBER F095900, REVISED "APPLICABLE COMPONENTS" CHART, REVISED NOTE #5
11765	CHARTS	REVISED "APPLICABLE COMPONENTS" CHART, MOVED KEY VIEWS, NOTES REVISED
		DRAWING NUMBER PCC0546721 WAS PCC0546721
10454	CHARTS	REVISED CHART, ADDED "APPLICABLE COMPONENTS" CHART, KEYS C&D "NOT AVAILABLE"
		ADDED DIMENSION BALLOONS
	KEY(S)	REFERENCE DIMS WERE DIMENSIONS WITH TOLERANCE (#12,#13,#14,#15)
	B12,C15	17.42±0.10/-0.25 WAS 17.42 (#11), 32.15±1.00 WAS 32.15 (#7)
	G11	DIMENSION 24.5 (#9) MOVED TO NEW VIEW & TARGETS ADDED
	C11	16.50±0.50 WAS 16.50 (#10)
	NOTES	ADDED QUALITY ASSURANCE REQUIREMENTS (DIAMOND), "K" NOTE, & CONN-CONN REMOVAL FORCE
10140		RELEASE FOR PRODUCTION
ECN NO.	ZONE	CHANGE DESCRIPTION
PRODUCT SPEC.	PACKAGING SPEC.	APPLICATION SPEC.
APEX 1.2		
TOLERANCES	±0.1 ±2*	MATERIAL : SEE CHART SURFACE FINISH
CONTRACTOR N.	SEE NOTE 5	COLOR : SEE CHART
DO NOT MEASURE DRAWING	TOOL NO.	ECO Loc. Code AN
CREATED BY	DATE	NAME
MODIFIED BY	2007071402	Maheshwari P
CHECKED BY	2009111106	Maheshwari P
APPROVED BY	2009111107	Bob CURT
FILE NAME	2009111108	Burtha SHAN
4 WAY FEMALE ASSEMBLY		
12MM HIRSCHMANN INTERFACE		
AM-07001 CAT. NO.		
DOCUMENT UNDER PDS CONTROL NO MODIFICATION ALLOWED OUTSIDE		
DELPHI	PCC0546721	M
C	SERIAL RELEASED	A
See Table		

Mouser Electronics

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