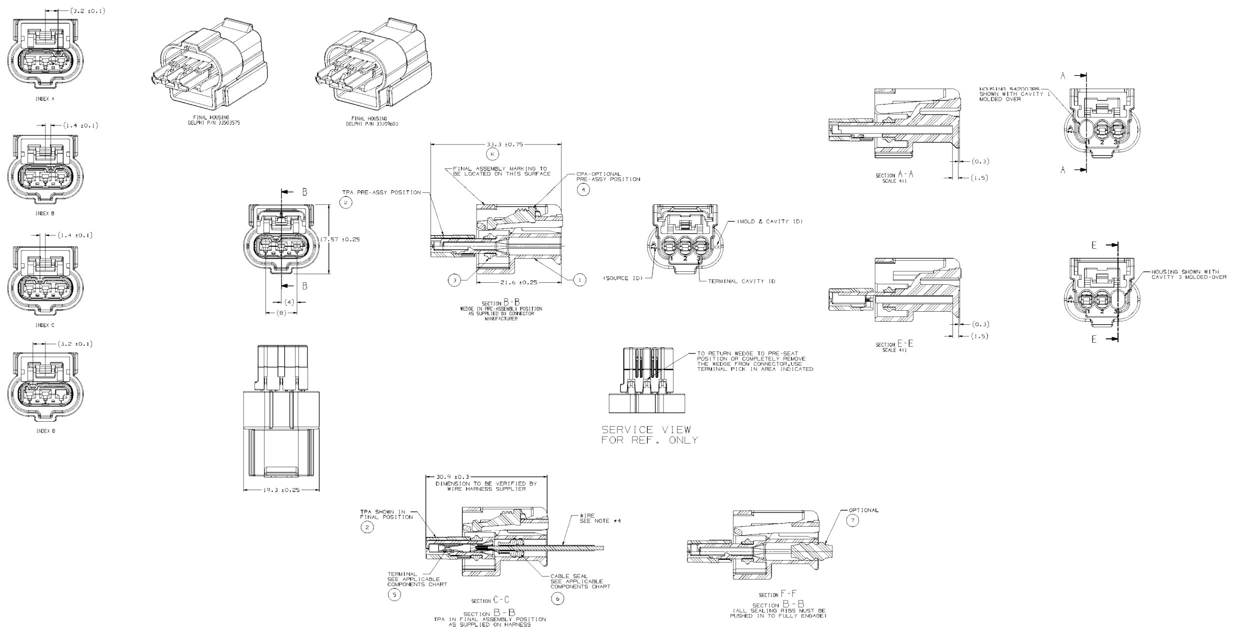
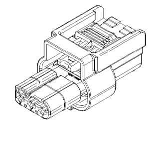
DWG STATUS					ZONE	REVISION HISTORY	AUTH	DR	APVD 1	APVD 2
DATE	STG	REV	N/P	CHG						
15DE16	R	11	-	-		REDRAWN AND RELEASED PART DRAWING	430393	SM	RRR	VHG





NOTES:

1) VALIDATED TO SAE/USCAR-2 REV 4

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 (150□C) WITH GOLD OR SILVER TERMINALS
- SAE/USCAR-2 V3 T3 (125□C) / V2 T4 (150□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 EQUIVELENT)

3) CONNECTOR MAY BE USED WITH THE FOLLOWING TERMINALS:
- DELPHI APEX 1.2 TERMINALS LISTED IN THE APPLICABLE COMPONENTS CHART ON THIS DRAWING WITH WIRE SIZES DEFINED IN NOTE 4.
- SEE DELPHI 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 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:
AWG - WIRE SIZES: 22AWG - 16AWG
INSULATION DIAMETER: 1.50mm MIN - 2.41mm MAX
WIRE TYPE: MIL123-A, MS-8288, MS-9502 OR EQUIVALENT
(STRUCTURE AND PROPERTIES ACCORDING TO SAE J1128)
METRIC - WIRE SIZES: 0.35mm□ - 1.25mm□
INSULATION DIAMETER: 1.20mm MIN - 2.30mm MAX
WIRE TYPE: FLR2X, FLR9X OR EQUIVALENT
(STRUCTURE AND PROPERTIES ACCORDING TO ISO 6722)

CONTACT DELPHI ENGINEERING REGARDING USE OF OTHER WIRE SIZES AND /OR TYPES

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:
- (20-S-003-1-Z01 (WITH EWCAP-001 TYPE 120-T BLADES)
- (20-S-003-1-Z02 (WITH EWCAP-001 TYPE 120-T BLADES)

6) ANNUAL QUALITY REQUIREMENTS:
- IT IS PERMISSIBLE TO PERFORM CONTINUOUS CONFORMANCE PER DELPHI SPECIFICATION #A0A-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

(K) 8) INDICATES IN-PROCESS INSPECTION FOR MANUFACTURING DIMENSIONS OR SPECIFICATIONS.

9) FOR APPLICATION DATA SEE THE INDIVIDUAL APPLICATION DRAWINGS.

ITEM NO.	COMPONENT	MATERIAL
4	CPA	PA66 GF35
3	RING SEAL	SILICONE
2	TPA	PA66 GF35
1	HOUSING	PA66 GF35

PART NUMBERS					KEY OPTION	MOLDED OVER POSITIONS			INSULATOR (HOUSING)			TPA (DK. BLUE)		RING SEAL (BURNT ORANGE)		CPA (RED)	
DELPHI	REV	N/P	MVL	REV		1	2	3	COLOUR	DELPHI	MVL	DELPHI	MVL	DELPHI	MVL	DELPHI	MVL
33126400	01	AA	-	01	A				BLACK	33109603	-	33503735	54200386	33504635	54200392	33503756	F752210
13925686	01	AC	F177010	K	D	X			DK GRAY	33503578	54200385	33503737	54200389	33504635	54200392	33503756	F752210
33511474	01	AA	F600900	K	C				BROWN	33503577	54200384	33514705	54200388	33504635	54200392	33503756	F752210
13982959	01	AA	F500900	K	B				LT GRAY	33503576	54200383	33503736	54200387	33504635	54200392	33503756	F752210
13893234	01	AC	F519600	K	A				BLACK	33503575	54200382	33503735	54200386	33504635	54200392	33503756	F752210
13576035	01	AI	54200381	H	D	X			DK GRAY	33503578	54200385	33503737	54200389	33504635	54200392	N/A	N/A
33511473	01	AA	54200380	H	C				BROWN	33503577	54200384	33514705	54200388	33504635	54200392	N/A	N/A
13800877	01	AF	54200379	H	B				LT GRAY	33503576	54200383	33503736	54200387	33504635	54200392	N/A	N/A
33225996	01	AA	-	01	A			X	BLACK	33225995	-	33503735	54200386	33504635	54200392	N/A	N/A
13578335	01	AH	54200378	H	A				BLACK	33503575	54200382	33503735	54200386	33504635	54200392	N/A	N/A

ITEM NO.	ITEM DESCRIPTION	PLATING OR COLOUR	SUPPLIER NAME	SUPPLIER NUMBER	DELPHI NUMBER	GRIP CODE	WIRE SIZE	INSULATION DIA RANGE	MATERIAL/SPEC NO
7	1.20 SYSTEM CAVITY PLUG	GREEN	MVL(QSR)	[illegible]	13898957	-	OPTIONAL	OPTIONAL	SILICON
6	1.20 SYSTEM CABLE SEAL ROUND	TIN	MVL(QSR)	[illegible]	33511987	-	0.35 mm²	1.20 mm - 1.40mm	SILICON
6	1.20 SYSTEM CABLE SEAL ROUND	GREEN	MVL(QSR)	(A-0419C)	33402838	-	[illegible]	1.40 mm - 1.90 mm	SILICON
6	1.20 SYSTEM CABLE SEAL ROUND	RUSTED RED	MVL(QSR)	[illegible]	13898958	-	[illegible]	1.90mm - 2.41 mm	SILICON
5	1.20 SYSTEM TERMINAL	GOLD	MVL	54002005	13827658	20	[illegible]	1.20mm-1.90mm	COPPER ALLOY/NA
5	1.20 SYSTEM TERMINAL	GOLD	MVL	54001863	13579640	18	[illegible]	1.70mm - 2.41mm	COPPER ALLOY/NA
5	1.20 SYSTEM TERMINAL	SILVER	MVL	F931400	13805375	20	[illegible]	1.20mm - 1.90mm	COPPER ALLOY/NA
5	1.20 SYSTEM TERMINAL	SILVER	MVL	F731400	13805376	18	[illegible]	1.70 mm-2.41mm	COPPER ALLOY/NA
5	1.20 SYSTEM TERMINAL	TIN/SILVER	MVL	54002007	15521522	20	[illegible]	1.20mm -1.90mm	COPPER ALLOY/NA
5	1.20 SYSTEM TERMINAL	TIN/SILVER	MVL	54001866	13587331	18	[illegible]	1.70mm-2.41mm	COPPER ALLOY/NA
5	1.20 SYSTEM TERMINAL	TIN	MVL	54002006	13806233	20	[illegible]	1.20mm -1.90mm	COPPER ALLOY/NA
5	1.20 SYSTEM TERMINAL	TIN	MVL	54001864	13576990	18	[illegible]	1.70mm-2.41mm	COPPER ALLOY/NA

DRAWING NUMBER						
13600161						
SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1x3	4:1	2 OF 2	1 OF 1	R	11	-

DWG TYPE: PART DRAWING

DISTR CODE: D

UNLESS OTHERWISE SPECIFIED

DELPHI

DELPHI PACKARD ELECTRICAL/ELECTRONIC ARCHITECTURE

Chennai, India

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		DATE
DR		
APVD1	M.SAKTHIVEL	15DE16
APVD2	R.RAMASWAMY	15DE16
APVD3	H.VLADIMIR	15DE16
APVD4		
APVD5		

SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER DELPHI 10949001

MATERIAL: SEE CHART

DRAWING NAME: TAXI ASM CONN 3 F 1.2 SLD

DRAWING NUMBER						
13600161						
SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1x3	4:1	1 OF 2	1 OF 1	R	11	-