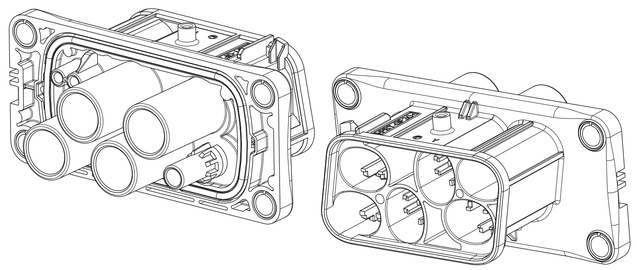


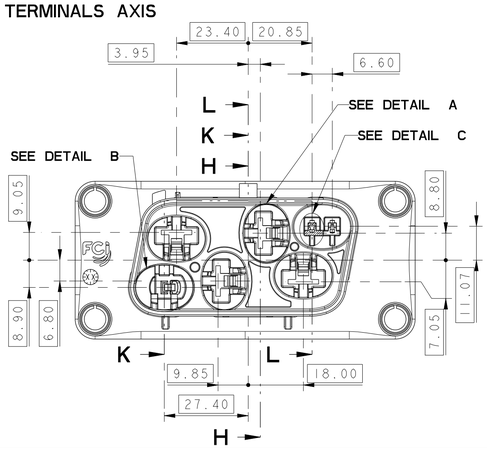
ASSOCIATED PARTS (FOR INFORMATION)

	MVL PART-N°	DELPHI PART-N°	WIRE SECTION	EXTERNAL WIRE DIAMETER	SINGLE WIRE SEAL		
					REFERENCE MVL MVL PART-N°	DELPHI PART-N°	COLOUR
TINNED APEX 950 MALE TERMINAL	F008900	33514386	16mm²	Ø6.3 MINI - 6.9 MAXI	F128900	33503295	YELLOW
			10mm²	Ø5.0 MINI - 5.6 MAXI	F028900	33503294	BLUE
TINNED APEX 2.8 MALE TERMINAL	54001027	15516298	4mm²	Ø3.4 MINI - 3.7 MAXI	C302400	33512175	REDDISH BROWN
GOLD PLATED DCS2 1.5 MALE TERMINAL	60100714	33511802	0.35mm²	Ø1.25 MINI - 1.35 MAXI	60993913	15441379	RED
	60100734	10779703	0.5mm²	Ø1.4 MINI - 1.5 MAXI			
5W APEX950 FEMALE CONNECTOR CODING 1	-	33402139					

NOTES:

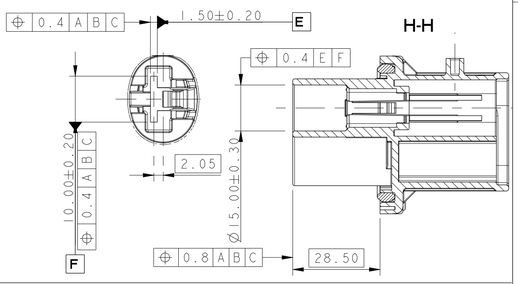
1) MVL PRODUCT SPECIFICATIONS : FE PS 14 005
   - TEMPERATURE CLASS OF THE CONNECTOR : CLASS 3 (-40°C ; +125°C)
   - TEST TEMPERATURE : 125°C
   - VIBRATION CLASS :
     - PRECONDITIONING
     - 3x 16H (COMBINED WITH TEMPERATURE -40°C/+125°C) ; 3.9g
   - SEALING CLASS :
     - 1000mb INITIAL
     - 500mb DURING 30s AFTER ENVIRONMENT TEST
     - JET SPRAY IP69K: VALIDATED ONLY WITH THE PLUG CONNECTOR COVER. (COVER REFERENCE: TO SEE HANDLING MANUAL).
   - MATING FORCE : F < 120N
   - IP2X FINGER PROTECTION CONNECTOR UNMATED
   - IP4X WIRE PROTECTION CONNECTOR MATED
2) PACKAGING : FE PA 10 004
3) HANDLING MANUAL : PU188
4) MASS OF THE PRODUCT : 0.105 kg ±5%
5) THIS DRAWING IS AN EXTRACT OF THE DETAIL DRAWINGS. IN CASE OF CONFLICT, TO REFER TO THEM.
6) MVL DRAWING OF FEMALE CONNECTOR (COUNTERPART): PCC0843590
7) THE PRECONIZED SCREWING TORQUE PARTICIPATE TO A SECURITARY SEALING FEATURE.
8) DIMENSION FOLLOWING NORM ISO10579-NR
   - SCREWING WITH 4 SCREWS, DESCRIBED ON SHEET 2.
   - MOUNTED ON INTERFACE, DESCRIBED ON SHEET 2.
   - SCREWING TORQUE: 8Nm ±10%
9) THE MVL PART REVISION C MARKING CORRESPOND TO THE DELPHI PART REVISION 01

TERMINALS AXIS



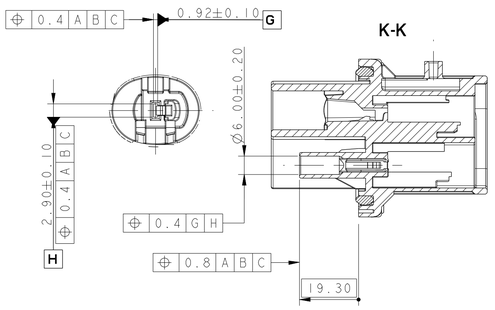
950 APEX CAVITY DETAIL / 4X CAVITIES

DETAIL A SCALE 3:2

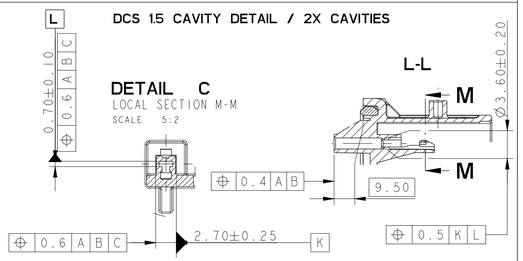


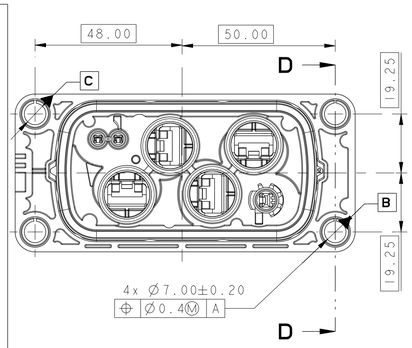
2.8 APEX CAVITY DETAIL / 1X CAVITY

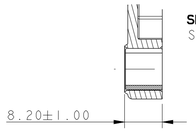
DETAIL B SCALE 3:2



DCS 1.5 CAVITY DETAIL / 2X CAVITIES

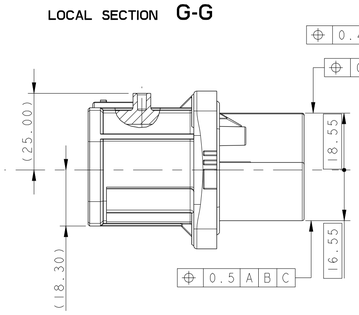


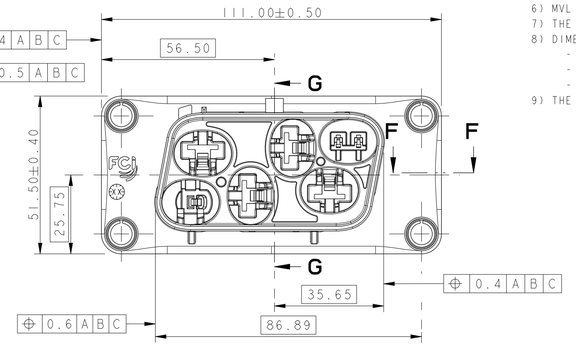




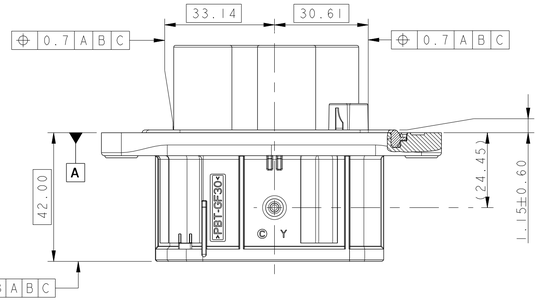
SECTION D-D
SCALE 3:2

LOCAL SECTION G-G

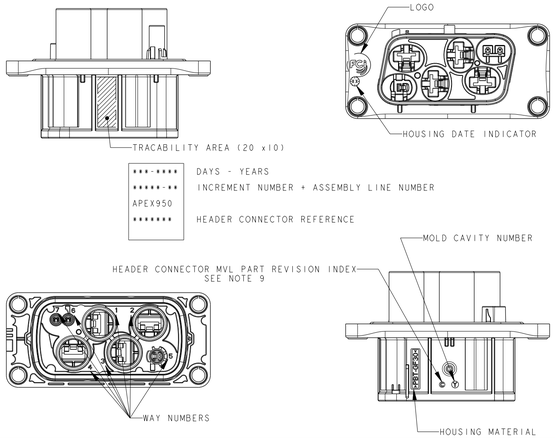




LOCAL SECTION F-F



MARKING SCALE 0.6



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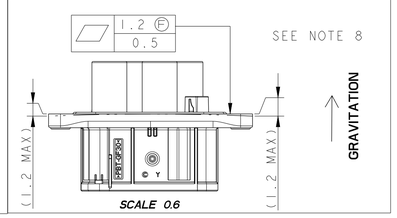
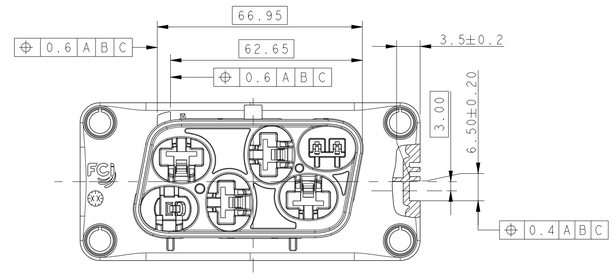


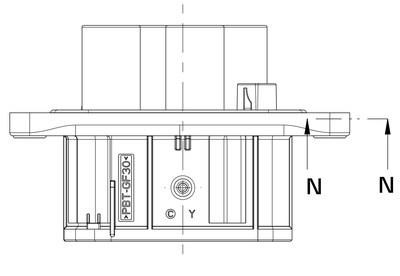
SCALE 0.6

MECHANICAL KEY 1

DELPHI PART NUMBER	33402137 REVISION 01

LOCAL SECTION N-N





ECN-NO. NUMERO ECN	POSITION POSITION	CHANGE DESCRIPTION MODIFICATION
14-03381	- -	-
	- -	-
	- -	-
	- -	-
	- -	INITIAL ISSUE

PRODUCT SPEC. SPECIF. PRODUIT	PACKAGING SPEC. SPECIF. EMBALAGE	APPLICATION SPEC. SPECIF. APPLICATION
SEE NOTE	SEE NOTE	SEE NOTE

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TOLERANCES		MATERIAL : MATIERE :	SURFACE FINISH ETAT DE SURFACE
	±0.2 ±2°	SEE BOM	-
COUNTERPART N° CONTRE-PARTIE N°	-	COLOUR COULEUR : SEE BOM	-
DO NOT MEASURE DRAWING NE PAS PRENDRE DE COTES		TOOL NO. Outil N° -	ECO Loc. Code CODE B.E. FE

	DATE	NAME NOM
CREATED BY CREE PAR	2014/03/31	Gilles SCHMITT
MODIFIED BY MODIF. PAR	2014/04/09	Gilles SCHMITT
CHECKED BY VERIF. PAR	2014/04/09	Jean FABRI
APPROVED BY APPR. PAR	2014/04/09	Frederic MENEZ
FILE NAME NOM DE FICHIER	PCC0843589	

DELPHI
DELPHI PACKARD ELECTRICAL/ELECTRONIC ARCHITECTURE
EPERNON, FRANCE

ISO PROJECTION PROJECTION ISO
DIMENSION IN MILLIMETERS DIMENSIONS EN MILLIMETRES

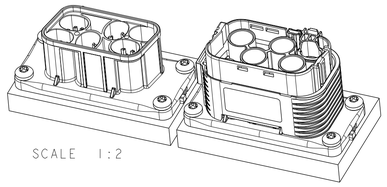
TITLE DESIGNATION	5W APEX950 HEADER
PROJECT PROJET	5W APEX950 POWER CONNECTOR
ECR NO. NUMERO ECR	EU-090590
DOCUMENT UNDER PDS CONTROL NO MODIFICATION ALLOWED OUTSIDE	DOCUMENT GERE SOUS P.D.S. TOUTE MODIFICATION EN DEHORS

DRAWING NUMBER REF. PLAN	REV. IND.
PCC0843589	A
STATE ETAT	SERIAL RELEASED
PART NUMBER REF. ARTICLE	REV. IND.
33402137	01

CAD SYSTEM	
pro / eng.	
DWG SIZE FORMAT	A1
APPROVAL LEVEL NIV. D'APPROBATION	-
SHEET FEUILLE	1 of 1 sur 2
SCALE ECH.	1:1

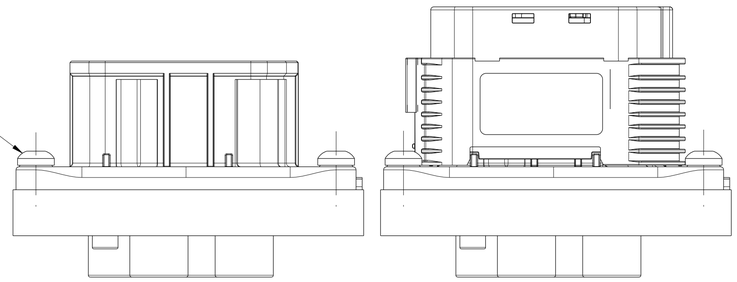
EUR C04 112 F29

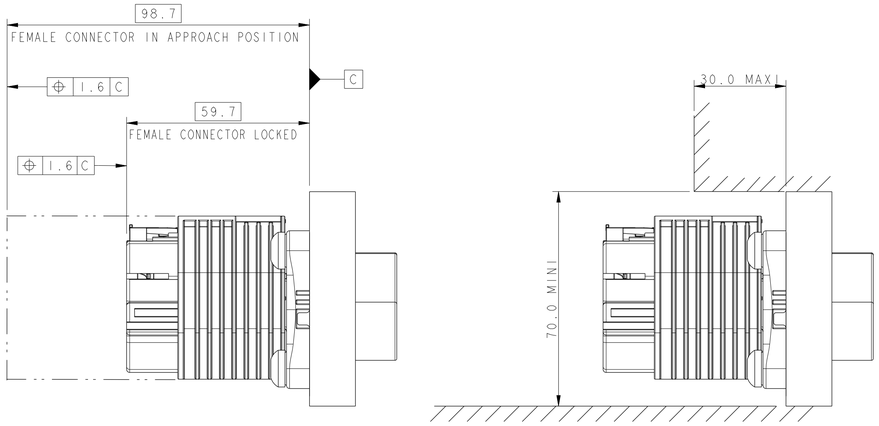
FREE SPACE AREA NEEDED TO MATE AND UNMATE THE FEMALE CONNECTOR ON THE HEADER, FOR INFORMATION.

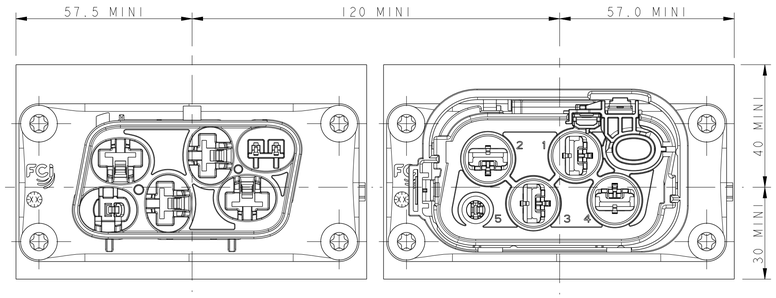


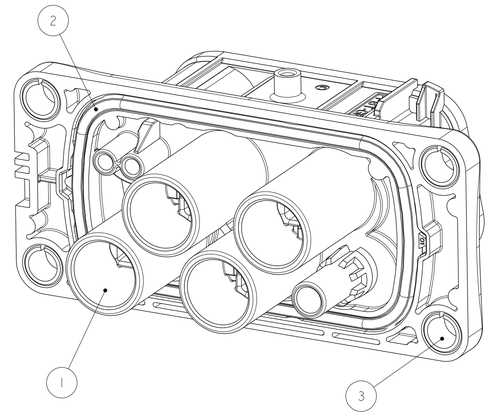
SCALE 1:2

4x SCREWS M6 - 6x INTERNAL LOBES, 8.8 CLASS
SCREWING TORQUE: 8Nm ±10%
(SEE NOTES 7 AND 8, ON SHEET 1)





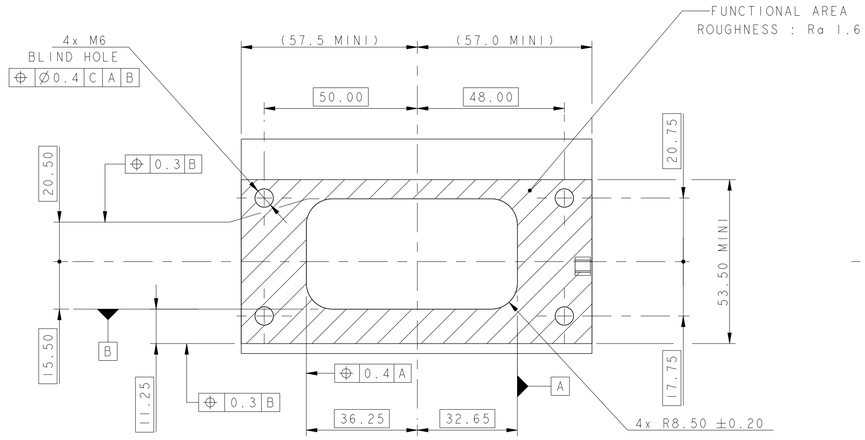


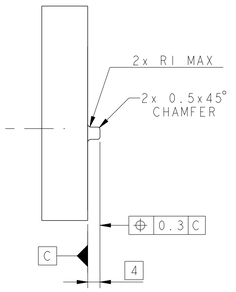


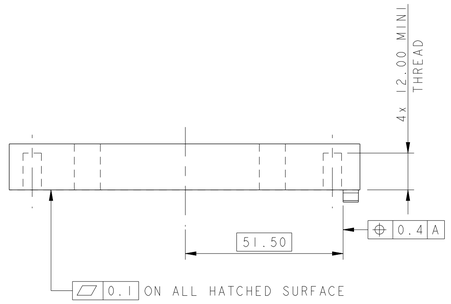
COMPONENTS TABLE CONSTITUTING THE PRODUCT				
ITEM	TITLE	COLOUR	MATERIAL	QUANTITY
1	KEY 1 HOUSING	ORANGE	PBT GF30	1
2	FLAT SEAL	GREY	LSR SILICON	1
3	METALLIC INSERT	-	CARBON STEEL	4

DEFINITION OF THE INTERFACE, TO ASSEMBLE THE HEADER

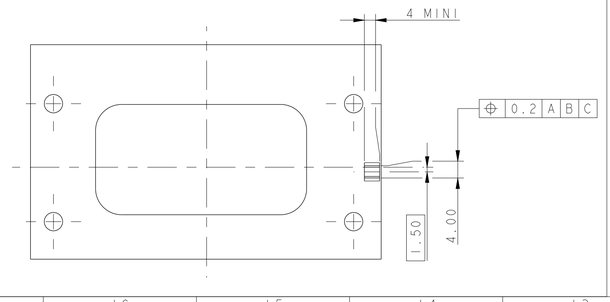
MATERIAL : ALUMINIUM ALLOY (SALT SPRAY TEST + ELECTRICAL TEST FROM DELPHI PRODUCT SPECIFICATION FE PS 14 005)
PRECONIZED ALUMINIUM ALLOY WITH COPPER RATE LESS THAN 1%







KEY 1



14-03381	-	-
	-	-
	-	-
	-	-
	-	INITIAL ISSUE

ECN-NO., NUMERO ECR | POSITION, POSITION | CHANGE DESCRIPTION, MODIFICATION

PRODUCT SPEC., SPECIF. PRODUIT: SEE NOTE
PACKAGING SPEC., SPECIF. EMBALLAGE: SEE NOTE
APPLICATION SPEC., SPECIF. APPLICATION: SEE NOTE

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TOLERANCES, TOLERANCES: ±0.2 ±2°
COUNTERPART N°, CONTRE-PARTIE N°: -
DO NOT MEASURE DRAWING, NE PAS PRENDRE DE COTES
MATERIAL, MATIERE: SEE BOM
SURFACE FINISH, ETAT DE SURFACE: -
COLOUR, COULEUR: SEE BOM
TOOL NO., OUTIL N°: -
ECO Loc. Code, CODE B.E.: FE

DELPHI
DELPHI PACKARD ELECTRICAL/ELECTRONIC ARCHITECTURE
EYBENS, FRANCE

CAD SYSTEM: pro / eng.
DWG SIZE, FORMAT: A1
DIMENSION IN MILLIMETERS, DIMENSIONS EN MILLIMETRES
ISO PROJECTION, PROJECTION ISO

	DATE	NAME, NOM
CREATED BY, CREE PAR	2014/03/11	Gilles SCHMITT
MODIFIED BY, MODIF. PAR	2014/04/09	Gilles SCHMITT
CHECKED BY, VERIF. PAR	2014/04/09	Jean FABRE
APPROVED BY, APPR. PAR	2014/04/09	Frederic MENEZ

TITLE, DESIGNATION: 5W APEX950 HEADER
PROJECT, PROJET: 5W APEX950 POWER CONNECTOR
ESR NO., NUMERO ESR: EU-090590
CAT. NO., NUMERO CAT.: -
DOCUMENT UNDER PDS CONTROL, DOCUMENT GERE SOUS P.D.T.
NO MODIFICATION ALLOWED OUTSIDE, PAS DE MODIFICATION EN DEHORS

DRAWING NUMBER, REF. PLAN: PCC0843589
REV. IND.: A
STATE, ETAT: SERIAL RELEASED
PART NUMBER, REF. ARTICLE: 33402137
REV. IND.: 01
APPROVAL LEVEL, NIV. D'APPROBATION: A
SHEET, FEUILLE: 2 of / sur 2
SCALE, ECH.: 1:1
FILE NAME, NOM DE FICHIER: PCC0843589

EUR C04 112 F29