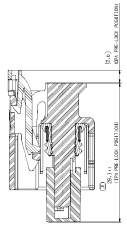
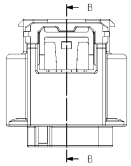
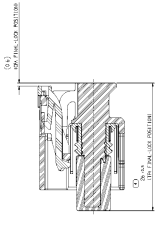


CPA & TPA IN PRE-LOCK POSITION



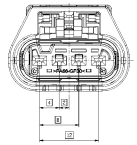
SECTION A-A

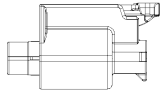


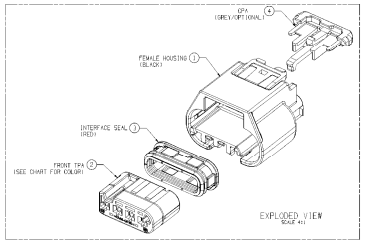


SECTION B-B

CPA & TPA IN FINAL POSITION







ISOMETRIC VIEW		
	 CODE A (SCALE 2:1)	 CODE A (SCALE 2:1)
OPTION	WITH CPA	WITHOUT CPA (IF REQUIRED)

DIN 159 2760	Tolerances if Class Fine (m)						
Linear Dimensions except for broken edges	Permissible deviations for basic size range (mm)						
	0.5 +) up to 3	over 3 up to 6	over 6 up to 30	over 30 up to 120	over 120 up to 400	over 400 up to 1000	over 1000 up to 2000
	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2
Broken edges (mgl), chamfers	Permissible deviations for basic size range (mm)						
	0.5 +) up to 3		over 3 up to 6		over 6		
	±0.2		±0.3		±1		
Angular dimensions	Permissible deviations for ranges of lengths, in mm, of the shorter side of the angle concerned						
	up to 10	over 10 up to 120		over 120 up to 400		over 400	
	±1°	±0° 30'		±0° 20'		±0° 5'	

*) For nominal sizes below 0.5mm, the deviations shall be indicated adjacent to the relevant nominal size(s).

SYMBOL DEFINITION		MISSING SYMBOLS
A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL (...) DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWINGS.	TOTAL NO OF INSPECTIONS REQUIRED: 4	NO MISSING SYMBOL NUMBER
	LAST NO. USED: 4	

DRG STATUS					REVISION HISTORY	MFR	AP APPROVAL
DATE	DRG	DES	CHK	APP			
12.04.16	R	KG	-	-	INITIAL RELEASE		SVH AVP 24
14.04.16	M	KG	-	-	CHANGE PART NUMBER ADDED PART NUMBER OF CABLE SEAL		SVH AVP 49
26.09.18	R	KG	SH	-	CHANGED PART NUMBER FOR NEW VIDEO MODE 5	-	SVH SVP 24

TYPE	ASSEMBLY	CODING TYPE	HOUSING (BLACK)	TPA		INTERFACE SEAL (RED)	CPA (GREY)
				P/NO	COLOR		
CPA	35179790	A	35172925	35172927	ROYAL BLUE	35172931	33219790
	35172935	B		35172928	BROWN		
	35172934	C		35172929	LT GRAY		
	35172937	D		35172930	RED		
WITHOUT CPA	35172938	A		35172927	ROYAL BLUE		-
	35172939	B		35172928	BROWN		
	35172936	C		35172929	LT GRAY		
	35172911	D		35172930	RED		

#	QTY	FEMALE CPA	PA66 GF25%	GRAY	33219398	OPTIONAL
3	1	INTERFACE SEAL	SILICONE RUBBER	RED	35172931	-
2	1	TPA LOCK A	PA66 GF30%	NATURAL BLUE	35172927	-
1	1	FEMALE HOUSING A	PA66 GF30%	BLACK	35172925	-
REF.	QTY	DESCRIPTION	MATERIAL	COLOR	DELPHI P/N	REMARKS

CABLE SEAL						
TYPE	PART NUMBER	ALT. PART NUMBER	WIRE SIZE (mm²)	INSULATION Ø (mm)	COLOR	MATERIAL
LONG	13511466	7123466	0.3 - 0.35	1.2 - 1.5	RED	SILICONE RUBBER
	13511636	7123636	0.5 - 0.85	1.4 - 1.9	GRAY	
	13511681	7129750	1.0 - 1.5	1.9 - 2.4	YELLOW	
SHORT	13113278	-	0.3 - 0.35	1.2 - 1.5	GRAY	
	13113279	-	0.5 - 0.85	1.4 - 1.9	LIGHT GRAY	
	13113275	-	1.0 - 1.5	1.9 - 2.4	BLACK	
DUMMY SEAL	13162143	-			WHITE	
LONG	13048526	-	0.3 - 0.35	1.2 - 1.5	DARK GRAY	FLUORO SILICONE
	13048525	-	0.5 - 0.85	1.4 - 1.9	BLUE	
SHORT	13166681	-	0.5 - 0.85	1.4 - 1.9	GREEN	
	13166579	-	1.0 - 1.5	1.9 - 2.4	BROWN	

NOTES:
1. TOLERANCE MUST MEET DIN ISO 2768-mH
2. TEST SPECIFICATION PER = MMC GPW500-90
3. ALLOWED WIRE RANGE = 0.3mm² TO 1.25mm² (AWG 22 TO 16)
4. APPLICABLE TERMINAL = APEX 1.2 FEMALE TERMINAL
5. APPLICABLE MATERIAL OF CABLE SEAL AS ONLY SILICONE RUBBER FOR MMC

ASSOCIATED PARTS										
FEMALE TERMINAL		PART NUMBER	WIRE SIZE (mm²)	TYP (AWG)	OTHER SPECIFICATIONS (FOR THE DETAILED VIEW)					
					CONDUCTOR			INSULATION		
					C.W	C.H	CRIMP STYLE	C.W	C.H	CRIMP STYLE
APEX 1.2	TIN	54001864	0.75 - 1.25	18	2.45	1.15	"B"	3.35	2.40	"O"
				18	2.05	1.20		3.35	3.10	
		54002006	0.3 - 0.5	22	1.65	1.05	"B"	3.00	2.85	"O"
				22	1.65	0.95		3.00	2.75	
	SILVER STRIP (SP-SPOT)	F731409	0.75 - 1.25	18	2.45	1.15	"B"	3.35	2.40	"O"
				18	2.05	1.20		3.35	3.10	
		F921409	0.2 - 0.5	22	1.65	1.05	"B"	3.00	2.85	"O"
				22	1.65	0.95		3.00	2.75	
	GOLD STRIP (SP-SPOT)	54001863	0.75 - 1.25	18	2.45	1.15	"B"	3.35	2.40	"O"
				18	2.05	1.20		3.35	3.10	
		54002005	0.2 - 0.5	22	1.65	1.05	"B"	3.00	2.85	"O"
				22	1.65	0.95		3.00	2.75	"O"
	TIN SILVER	54001866	0.75 - 1.25	18	2.45	1.15	"B"	3.35	2.40	"O"
				18	2.05	1.20		3.35	3.10	
		54002007	0.3 - 0.5	22	1.65	1.05	"B"	3.00	2.85	"O"
				22	1.65	0.95		3.00	2.75	"O"

DELPHI
DELPHI PACKARD ELECTRICAL/ELECTRONIC ARCHITECTURE
Packard, Ohio
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PART DRAWING	
SIZE	DRG NO.
A3	33371981
SCALE: 1:1	WEIGHT:
SHEET 1 OF 1	REV: R

DRG NOTES
DRAWING NAME: HMC FEMALE ASSEMBLY

33371981

PROJECTION METHOD	DELPHI PACKARD ELECTRIC SYSTEMS	THIRD ANGLE PROJECTION	SIZE A3	SCALE 1:1	SHEET 1 OF 1	REV R

DRAWING NO.	REVISION	SHEET
33371981	R	1 OF 1