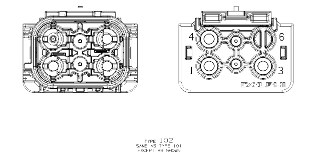
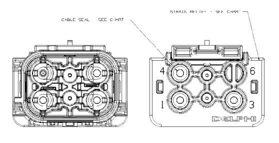
SYMBOL DEFINITION		
A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL ⬭ DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING.	TOTAL NO OF INSPECTIONS REQUIRED	15
	LAST NO. USED	11

MISSING SYMBOLS
NO MISSING SYMBOL NUMBER

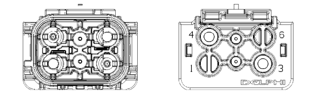
DWG STATUS DATE	STS	REV	N/P	CHG	ZONE	REVISION HISTORY	AUTH	DR	APVD 1	APVD 2
10OC12	R	01	-	-		RELEASED	419900	RHS	RHS	TAG
15FE13	R	02	-	-		ALL PARTS - ADDED "SEALING VERIFICATION" NOTE	421460	AGC	JAM	TAG
03MY13	R	03	-	-		ALL PARTS - ADDED "TERMINAL & WIRE" VIEW AND UPDATED "SEALING VERIFICATION" NOTE	422393	CGD	JAM	EDW
25FE14	R	04	-	-		ALL PARTS - REVISED HARNESS MANUFACTURER NOTE	425694	YVH	YVH	TG
02SE16	R	05	-	-		33366393 - RELEASED PART DRAWING	434102	DCH	DCH	ERW
11OC16	R	06	-	-		33366393 - MOVED TO DRAWING 33130452 SHT 1	434511	DCH	DCH	DRW
01FE17	R	07	-	-		13990589 & 13990591 - UPDATED PART AVAILABILITY	435576	GCH	JAM	ERW



TYPE 102
SAME AS TYPE 101
EXCEPT AS SHOWN



TYPE 105
SAME AS TYPE 102
EXCEPT AS SHOWN



TYPE 103
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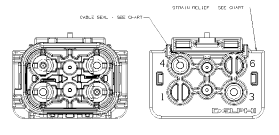
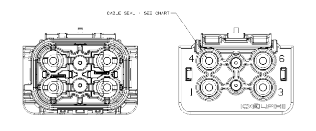
EXCEPT AS SHOWN

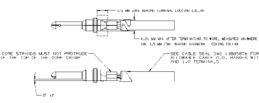


TYPE 106
SAME AS TYPE 103
EXCEPT AS SHOWN



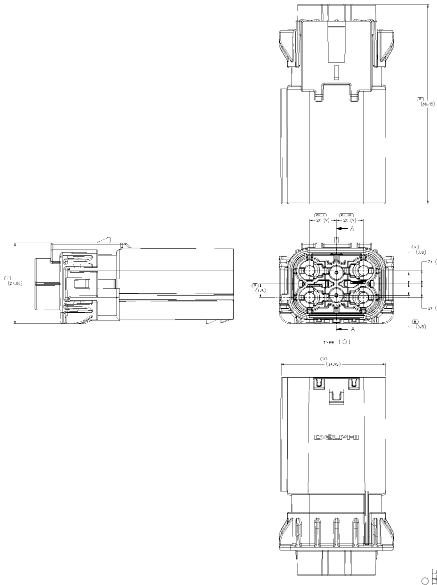
TYPE 104
SAME AS TYPE 101
EXCEPT AS SHOWN

2.4 & 1.0 TERMINAL & WIRE APPLICATION REQUIREMENTS

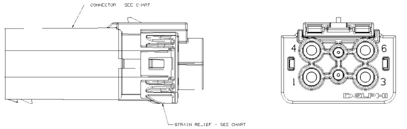

3.5 MM ZONE BEHIND TERMINAL LOCKING COLLAR
4.25 MM MAX AFTER TERMINATING TO WIRE, MEASURED ANYWHERE IN THE 3.5 MM ZONE BEHIND TERMINAL LOCKING COLLAR
CABLE CORE STRANDS MUST NOT PROTRUDE ABOVE THE TOP OF THE CORE CRIMP
SEE CABLE SEAL DWG 13885876 FOR ALLOWABLE CABLE O.D. RANGES WITH 2.4 AND 1.0 TERMINALS
0° ±2°

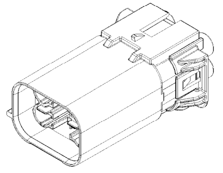
DELPHI HES 2.4 TERMINAL - 13768284 OR EQUIVALENT WITH GOLD PLATED INTERFACE FOR POWER CIRCUITS.
DELPHI HES 1.0 TERMINAL - 13711545 OR EQUIVALENT WITH GOLD PLATED INTERFACE FOR SIGNAL CIRCUITS.

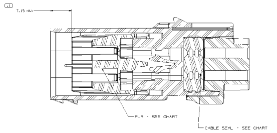
1. >25A CONTINUOUS CURRENT APPLICATIONS REQUIRE 5.0 - 6.0 mm² COPPER CONDUCTORS ON THE 2.4 TERMINALS.
2. GOLD PLATED TERMINAL INTERFACES ARE REQUIRED TO MEET USCAR-2 CONNECTOR ELECTRICAL CRITERIA.
3. TERMINAL TEMPERATURES NEED TO BE MEASURED IN THE APPLICATION TO INSURE THE FOLLOWING:
   - TERMINAL TEMPERATURE RISE OVER AMBIENT IS ≤30°C AT MAXIMUM CONTINUOUS CURRENT.
   - TERMINAL TEMPERATURE (AMBIENT + RISE) IS ≤125°C AT MAXIMUM CONTINUOUS CURRENT AND MAXIMUM AMBIENT.
4. ELECTRIC VEHICLE CHARGING APPLICATIONS REQUIRE WIRE TO TERMINAL INTERFACE RESISTANCE ≤0.2 mOhms.
   - SOLDERED CRIMPS ARE RECOMMENDED.



TYPE 101







SECTION A-A

NOTES

1. UNLESS OTHERWISE SPECIFIED AND/OR INDICATED:

   DIMENSIONS ARE TO FACE OF VIEW SHOWN AND AUTOMATICALLY ROUNDED BY COMPUTER FOR INSPECTION (SEE MATH MODEL FOR PRECISE DIMENSIONS). FOR ALL OTHER DIMENSIONS NOT SHOWN BUT REQUIRED FOR TOOL BUILD, SEE MATH MODEL FOR PRECISE TOOL PATH DATA.

2. THIS PRODUCT IS NOT CATEGORIZED AS AN APPEARANCE ITEM. MINOR IMPERFECTIONS INCLUDING, BUT NOT LIMITED TO, FLOW MARKS, COLOR BLEMISHES, GATE VESTIGE, AND SOFT FLASH THAT DO NOT AFFECT THE FIT, FORM, OR FUNCTION OF THE PART ARE PERMISSIBLE PER DPNP 4.7 CS 01.
3. CONNECTOR ASSEMBLIES ARE VALIDATED TO SAE/USCAR-37 REV.01 - AUG.'08 TEMPERATURE CLASS T1, SEALING CLASS S3, VIBRATION CLASS V1, AND MATING CYCLES M1.
4. CONNECTOR ASSEMBLY TYPES 102, 103, 105, AND 106 MEET SAE/USCAR-25 REV.01 - SEPT.'08 ASSEMBLY FORCE CLASS 3 CRITERIA OF 75N MAX.
5. HARNESS MANUFACTURER IS RESPONSIBLE FOR VALIDATING THE CONNECTION AS APPLIED ON CABLE TO THE REQUIREMENTS OF SPECIFIC APPLICATIONS. REFERENCE CABLE SEAL TAXI DRAWING 13885876 FOR ALLOWABLE CABLE O.D. RANGES BY CAVITY. SEALING PERFORMANCE IS VALIDATED BASED ON USING THE SAME TYPE AND DIAMETER OF CABLE IN THE 2.4mm CAVITIES (1, 3, 4, AND 6).
6. FOR APPLICATION DATA SEE THE INDIVIDUAL APPLICATION DRAWINGS.
7. SEALING VERIFICATION AND MARKING REQUIRED PER ES-A-755.

PART NO	REV	N/P	TYPE	CONNECTOR	PLR	STRAIN RELIEF	CABLE SEAL	BLOCKED CAVITIES	MATING CONN. ASM	REPLACES
13990593	01	AC	106	13990587	13833742	13885870	13885874	1 & 6	13879051	13879045
13990592	01	AC	105	13990587	13833742	13885869	13885874	6	13879050	13879044
~~13990591~~	01	AD	104	13990587	13833742	13885868	13885874	NONE	13879049	13879043
13990590	01	AC	103	13990587	13833742	13888297	13833738	1 & 6	13879048	13879042
~~13990589~~	01	AD	102	13990587	13833742	13888296	13833738	6	13879047	13879041
13990588	01	AC	101	13990587	13833742	13885868	13833738	NONE	13879046	13879040

LINE DRAWN THROUGH A PART NUMBER INDICATES THAT PHYSICAL PARTS ARE NOT AVAILABLE FOR ORDERING.

PART NUMBERS THAT DO NOT HAVE A LINE PRESENT INDICATE THAT PHYSICAL PARTS ARE AVAILABLE FOR ORDERING.

CONTACT DELPHI SALES TO ASSURE AVAILABILITY OF PARTS.

DWG TYPE
PART DRAWING

TITLE

VOLUME (CM³)
CONF CODE

UNLESS OTHERWISE SPECIFIED

THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5M-1994 AS AMENDED BY THE [illegible] GLOBAL DIMENSIONING AND TOLERANCING [illegible] FEATURES MAY BE GAGED SEPARATELY REGARDLESS OF DATUM REFERENCES.

ALL DIMENSIONS ARE IN MILLIMETERS.

⬭ PROCESS SENSITIVE DIMENSION

DIMENSIONS ENCLOSED IN ( ) INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED

THIRD ANGLE PROJECTION

DO NOT SCALE

USE MATH DATA

NX

DELPHI

DELPHI PACKARD ELECTRICAL/ELECTRONIC ARCHITECTURE
WARREN, OH

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		DATE
DR		
APVD1	R. SMITH	10OC12
APVD2	R. SMITH	10OC12
APVD3	T. GEORGE	10OC12
APVD4		
APVD5		

SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER DELPHI [illegible].

MATERIAL
SEE DRAWINGS

DRAWING NAME
TAXI ASM CONN 6 M HES
1.0 2.4 SLD MODULAR

DRAWING NUMBER
13990595

SIZE	SCALE	FRAME NO	SHEET NO	STS	REV	N/P
A1X4	4:1	1 OF 2	1 OF 1	R	07	-

DRAWING NUMBER
13990595