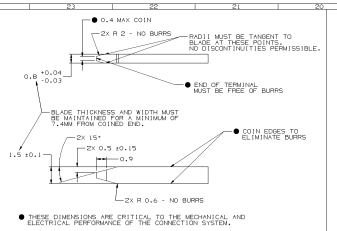


● THESE DIMENSIONS ARE CRITICAL TO THE MECHANICAL AND ELECTRICAL PERFORMANCE OF THE CONNECTION SYSTEM.

MATERIAL SPECIFICATIONS

RECOMMENDED

BASE METAL - CDA-210, EXTRA SPRING TEMPER

- TIN PLATING (WHERE APPLICABLE TO 125°C MAX CONTINUOUS USAGE): 0.0050±0.0025 MM (200±100 µIN) ELECTROPLATED TIN.
- USAGE OF PLATING TYPES OTHER THAN RECOMMENDED MUST BE APPROVED BY DELPHI PACKARD ELECTRIC SYSTEMS ENGINEERING.

MINIMUMS

ELECTRICAL CONDUCTIVITY - ≥28% IACS AT 20 °C. USE OF A MATERIAL WITH CONDUCTIVITY <28% IACS MUST BE APPROVED BY PACKARD ELECTRIC MATERIALS ENGINEERING.

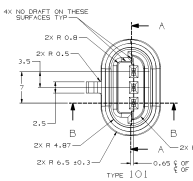
TENSILE STRENGTH - 430 - 480 MPa

UNDERPLATING FOR TIN PLATING - FOR BASE MATERIALS CONTAINING 10% OR MORE ZINC, AN UNDERPLATE OF COPPER 0.0025 MM (100 µIN) MINIMUM THICK IS REQUIRED.

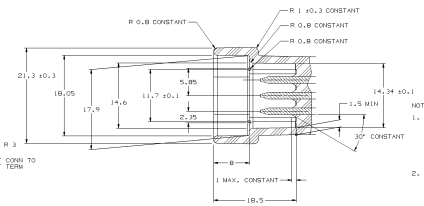
PROCESSING LUBRICANT - ANY PROCESSING LUBRICANT REMAINING ON TERMINALS AFTER FINAL CLEANING MUST BE COMPATIBLE WITH PERFORMANCE OF CONNECTION SYSTEM AT MAXIMUM TEMPERATURE. ALL PROCESSING LUBRICANTS MUST BE APPROVED BY DELPHI PACKARD ELECTRIC SYSTEMS ENGINEERING.

MATING BLADE INFORMATION

TYPE 102
SAME AS TYPE 101 EXCEPT AS SHOWN



TYPE 101



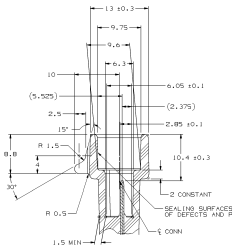
SECTION A-A

NOTES

1. UNLESS OTHERWISE SPECIFIED AND/OR INDICATED:

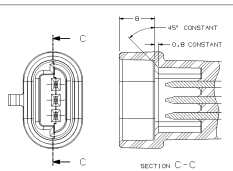
   DIMENSIONS ARE TO FACE OF VIEW SHOWN AND AUTOMATICALLY ROUNDED BY COMPUTER FOR INSPECTION (SEE MATH MODEL FOR PRECISE DIMENSIONS). FOR ALL DIMENSIONS NOT SHOWN (MOST RADII REQUIRED FOR TOOL BUILD, SEE MATH MODEL. FOR PRECISE TOOL PATH DATA, ALL RADII 0.4). DRAFT IS 1° MAX ON ALL OUTSIDE SURFACES.

2. RECOMMENDED MATERIALS:
   GLASS REINFORCED NYLON OR POLYESTER



SECTION B-B

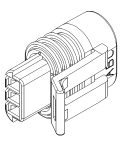
MATING CONNECTOR INFORMATION



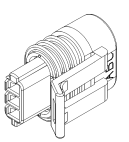
SECTION C-C

OPTIONAL MATING CONNECTOR INFORMATION

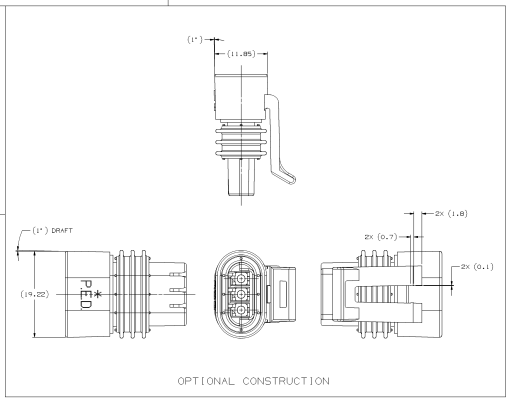
SAME AS ORIGINAL CONSTRUCTION EXCEPT AS SHOWN



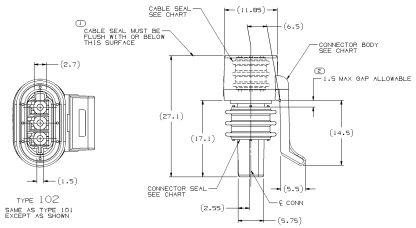
TYPE 101



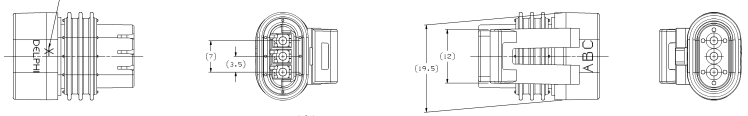
TYPE 102
SAME AS TYPE 101 EXCEPT AS SHOWN



OPTIONAL CONSTRUCTION



TYPE 102
SAME AS TYPE 101 EXCEPT AS SHOWN



TYPE 101

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 DIMENSIONS NOT SHOWN (MOST RADII 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 VARIATIONS, SMALL GATE VESTIGES, AND EJECTOR PIN MARKS) THAT AFFECT THE FIT, FORM, OR FUNCTION OF THE PART ARE PERMISSIBLE PER NAP 4.10-18.

3. FOR LEAD LENGTH CALCULATIONS DISTANCE FROM MATING END OF CONNECTOR TO FRONT OF CABLE CORE IS 8.60 ±1.55

4. WHEN PARTS ARE SHIPPED THEY MUST BE PACKED IN PLASTIC BAGS OR SHIPPING CONTAINERS MUST BE LINED WITH PLASTIC LINERS. BAGS OR LINERS MUST BE SEALED TO AVOID ENTRY OF FOREIGN MATTER

5. SEALING CODE 3

   DESIGN WILL PASS SALT FOG AND IMMERSION TEST AFTER CONDITIONING AS SPECIFIED IN ESA-644 (WEATHER-PACK), ESA-710 (METRI-PACK), ESA-650 (UNDERHOOD MICRO-PACK), C-4004 (WORLD CONNECTOR), ETC WHEN MATED TO MATING PART OR EQUIVALENT

6. FOR PART NUMBERS WITH ADHESIVE, USE PM003510 OR ADHESIVE APPROVED BY MATERIALS ENGINEERING TO GLUE CONNECTOR SEAL TO CONNECTOR

7. FOR APPLICATION DATA SEE THE INDIVIDUAL APPLICATION DRAWINGS.

8. S-60-T LUBEWELL LUBRICANT CAN BE USED AS AN AUXILIARY SUPPORT ON THE CABLE INSTALLATION PROCESS.

-	-	-	12129548	01	AA	102	12162272	12129590	12047908	NONE	
-	-	-	12339040	A2	-	102	12162272	12052617	12047908	B	
12186697	B2	-	12186831	A2	-	102	12162272	12052862	12186874	NONE	
-	-	-	12162280	A2	-	102	12162272	12047907	12047908	NONE	
-	-	-	12162279	A2	-	102	12162272	12052862	12047908	NONE	
-	-	-	12162278	A2	-	102	12162272	12052862	12112955	NONE	
-	-	-	12162186	A2	-	101	12162181	12129590	12047908	NONE	
-	-	-	12162185	A2	-	101	12162181	12052862	12047908	NONE	
-	-	-	12162184	A2	-	101	12162181	12052617	12047908	B	
-	-	-	12162183	A2	-	101	12162181	12052621	12047908	NONE	
-	-	-	12162182	A2	-	101	12162181	12047907	12047908	NONE	
P/N WITH ADHESIVE		REV	P/N WITHOUT ADHESIVE	REV	N/P	TYPE	CONNECTOR SEAL NO	CABLE SEAL NO	CONN SEAL NO	BLOCKED CAVITY	

ECN/DCR	DATE	STS	REVISION HISTORY	WRITTEN BY	APPROVED BY
RAPPER	R	07	- -	CLEANED REV 05 & ALL PARTS - RELEASED TO REV 4060? **APPLICATION DATA* NOTE & **APPEARANCE ITEM* NOTE	413974	KLS	FRAVAN
160611	R	08	- -	12129548 - RELEASED AND INACTIVE	416519	JAR	JARSEN
ELUCH	R	09	- -	ALL ACTIVE PARTS - ADDED LUBEWELL LUBRICANT NOTE	424996	JAR	JARSEN
ELUCH	R	10	- -	12129548 - UPDATED PART AVAILABILITY	432273	WBL	JFT	JFT

SYMBOL DEFINITION			MISSING SYMBOLS
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	2	NO MISSING SYMBOL NUMBER
	LAST NO. USED	2	

-	-	-	12129548	01	AA	102	12162272	12129590	12047908	NONE	
-	-	-	12339040	A2	-	102	12162272	12052617	12047908	B	
12186697	B2	-	12186831	A2	-	102	12162272	12052862	12186874	NONE	
-	-	-	12162280	A2	-	102	12162272	12047907	12047908	NONE	
-	-	-	12162279	A2	-	102	12162272	12052862	12047908	NONE	
-	-	-	12162278	A2	-	102	12162272	12052862	12112955	NONE	
-	-	-	12162186	A2	-	101	12162181	12129590	12047908	NONE	
-	-	-	12162185	A2	-	101	12162181	12052862	12047908	NONE	
-	-	-	12162184	A2	-	101	12162181	12052617	12047908	B	
-	-	-	12162183	A2	-	101	12162181	12052621	12047908	NONE	
-	-	-	12162182	A2	-	101	12162181	12047907	12047908	NONE	
P/N WITH ADHESIVE		REV	P/N WITHOUT ADHESIVE	REV	N/P	TYPE	CONNECTOR SEAL NO	CABLE SEAL NO	CONN SEAL NO	BLOCKED CAVITY