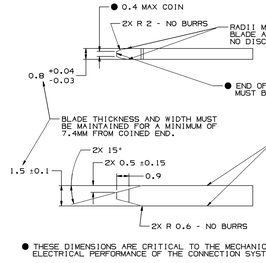


● THESE DIMENSIONS ARE CRITICAL TO THE MECHANICAL AND ELECTRICAL PERFORMANCE OF THE CONNECTION SYSTEM.

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

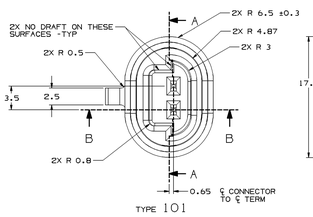
ELECTRICAL CONDUCTIVITY - >28% IACS AT 20 °C. USE OF A MATERIAL WITH CONDUCTIVITY <28% IACS MUST BE APPROVED BY PACKARD ELECTRIC MATERIALS ENGINEERING.

TENSILE STRENGTH - 430 - 480 MPa

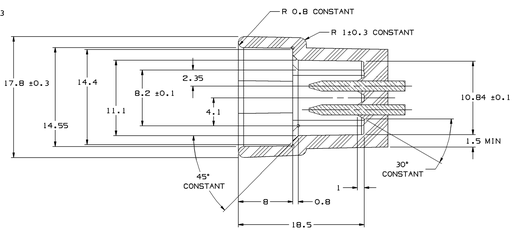
UNDERPLATING FOR TIN PLATING - FOR BASE MATERIALS CONTAINING 10% OR MORE ZINC, AN UNDERPLATE OF COPPER 0.0025 MM [100 µIN] MINIMUM THICK IS REQUIRED.

PROCESSING LUBRICANT - ANY PROCESSING LUBRICANT REMAINING ON TERMINALS MUST NOT VARNISH OR DEGRADE THE ELECTRICAL PERFORMANCE OF THE CONNECTION UP TO A MAXIMUM TEMPERATURE OF 150°C. PROCESSING LUBRICANTS MUST BE APPROVED BY DELPHI PACKARD ELECTRIC SYSTEMS ENGINEERING.

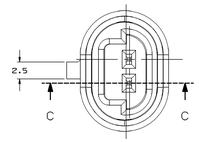
MATING BLADE INFORMATION



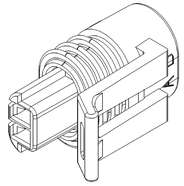
TYPE 101

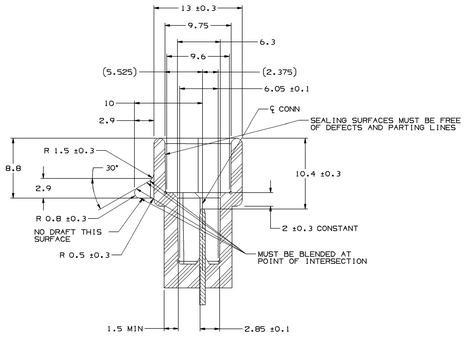


SECTION A-A

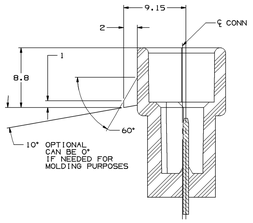


TYPE 102
SAME AS TYPE 101
EXCEPT AS SHOWN





SECTION B-B



SECTION C-C

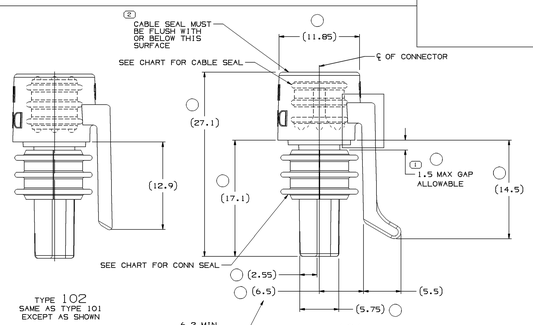
NOTES

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.
   ALL RADII 0.4
   DRAFT IS 1° ON ALL OUTSIDE SURFACES
2. RECOMMENDED MATERIAL: GLASS REINFORCED NYLON OR POLYESTER

MATING CONNECTOR INFORMATION

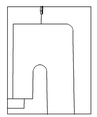
SYMBOL DEFINITION		MISSING SYMBOLS
A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL (□) DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING.	TOTAL NO OF INSPECTIONS REQUIRED: 2	NO MISSING SYMBOL NUMBER
	LAST NO. USED: 2	

CHG STATUS DATE	STS	REV	N/P	CHG	ZONE	REVISION HISTORY	AUTH	DR	APVD 1	APVD 2
31AUP99	R	001	-	-	-	CLEARED REV COLUMN & 15324478 -REVISED CABLE SEAL AND COLOR	19529	HH	CMP	JP
15OCT02	R	02	-	-	-	ALL PARTS - ALIGNED VIEWS, REMOVED NOTE: ASTERISK (*) INDICATES 150.2 TERMINAL CAVITIES, ADDED N/P COLUMN TO PART NUMBER CHART, AND ADDED NOTE 5. 12162195 - UPDATED PDM ATTRIBUTES	23192	SHB	SHB	GM
20JL04	R	03	-	-	-	15324478, 15304635, 12162195, 12162194, AND 12162193 - CORRECTED REVISION LEVELS	25657	MJM	MJM	BG
24APD6	R	04	-	-	-	RELEASED 13584122	27976	LLJ	LLJ	MF
06SEO6	R	05	-	-	-	ALL PARTS - REVISED NOTE 3 AND REVISED INSPECTION SYMBOLS	28422	MM	MM	MF
01NOO6	R	06	-	-	-	ALL ACTIVE PARTS - UPDATED MATING BLADE INFORMATION AND ALL INDIVIDUAL COMPONENT DIMENSIONS WITHOUT INSPECTION SYMBOLS WERE CHANGED TO REFERENCE	28628	JRD	AUG	DDG



TYPE 102
SAME AS TYPE 101
EXCEPT AS SHOWN

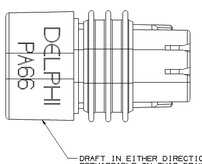
TYPE 101



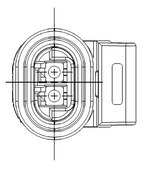
OPTIONAL CONSTRUCTION
SCALE 10:1

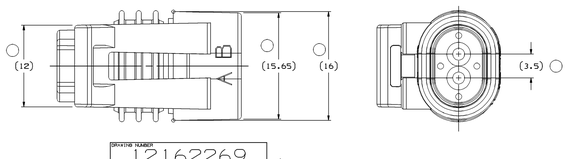
NOTES

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.)
2. WHEN PARTS ARE SHIPPED THEY MUST BE PACKED IN PLASTIC BAGS OR SHIPPING CONTAINERS MUST BE LINED WITH PLASTIC LINERS. BAGS OR LINES MUST BE SEALED TO AVOID ENTRY OF FOREIGN MATTER.
3. REFERENCE MATING COMPONENTS OR EQUIVALENT:
   CONNECTOR 12066016
   TERMINAL 12124075
   TERMINAL 12191054 (GOLD PLATED)
4. FOR LEAD LENGTH CALCULATIONS, DISTANCE FROM MATING END OF CONNECTOR TO FRONT OF CABLE CORE IS 10.75/7.05.
5. (2.3)X(0.1) DELPHI CORPORATE BRAND TO BE LOCATED ON ANY EXTERIOR SURFACE, PREFERABLY VISIBLE AT FINAL ASSEMBLY. OPTIONAL CONSTRUCTION TO BE "PED".



DRAFT IN EITHER DIRECTION PERMISSIBLE ON THIS DRAWING





13584122	01	AB		101	12110169 - LT GRN	13584120	13511248
15324478	02	AD		101	12078093 - TAN	15324477	12040750
15304635	A4	-		102	12110169 - LT - GRN	15304636	12040750
12162195	A4	-		101	12110169 - LT - GRN	12162192	12040750
12162194	A4	-		101	12078093 - TAN	12162192	12040750
12065242	A	-	OBSOLETE	101	12040751 - GRN	12065241	12040750
12162193	A4	-		101	12040751 - GRN	12162192	12040750
PART NO	REV	N/P	STATUS	TYPE	CABLE SEAL AND COLOR	CONN NO	CONN SEAL

DRAWING NUMBER							
12162269							
SIZE	SCALE	SHEET	SHEET NO	REV	N/P		
A1x3	5:1	2 OF 2	1 OF 1	R	06	-	

(5) PROCESS SENSITIVE DIMENSION

DIMENSIONS ENCLOSED IN A INDICATE REFERENCE DIMENSIONS, AND NO TOLERANCE VALUES ARE ASSIGNED.

DIMENSIONAL TOLERANCES (UNLESS OTHERWISE SPECIFIED)					
TOLERANCE	0	1	2	3	4
DECIMAL	±0.5	±0.25	±0.12	±0.05	±0.030
FRACTION	±1/2	±1/4	±1/8	±1/16	±1/32

TOLERANCE UNLESS OTHERWISE SPECIFIED
ANGULAR TOLERANCE ±1°

THIRD ANGLE PROJECTION

DO NOT SCALE

CAD MATH DATA

MATERIAL
NON-MAGNETIC
NON-CONDUCTIVE
NON-CORROSIVE
NON-FLAMMABLE
NON-TOXIC
NON-OXIDIZING
NON-ABRASIVE
NON-STICK
NON-STAINING
NON-SMOKING
NON-FOULING
NON-SLIPPERY
NON-SLIPPERY
NON-SLIPPERY