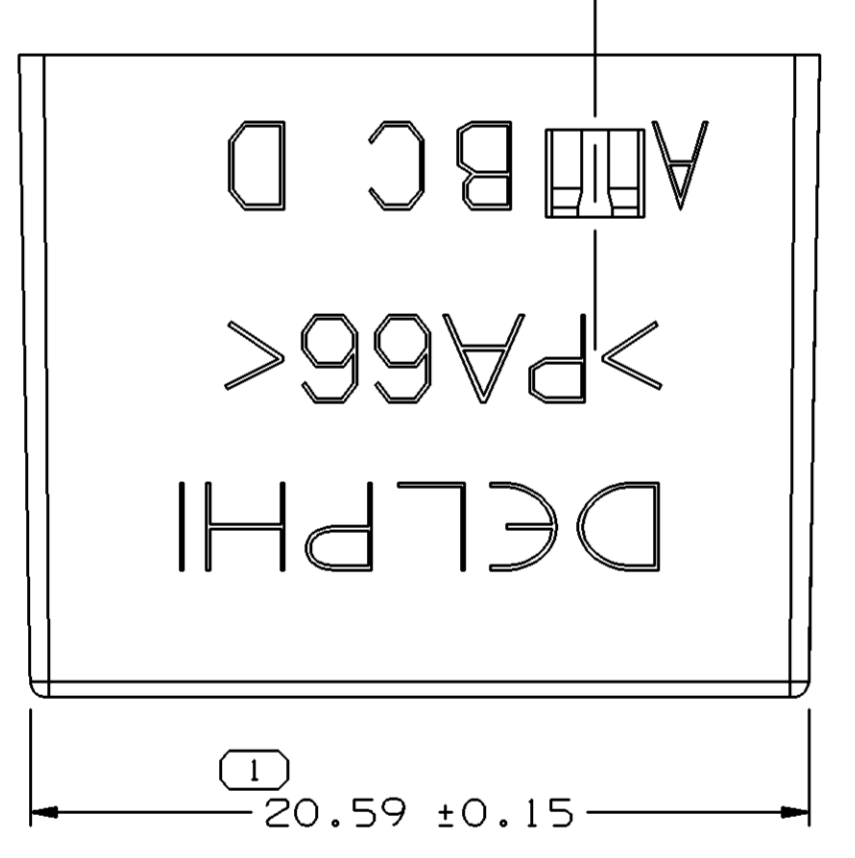


**MATERIAL SPECIFICATIONS**

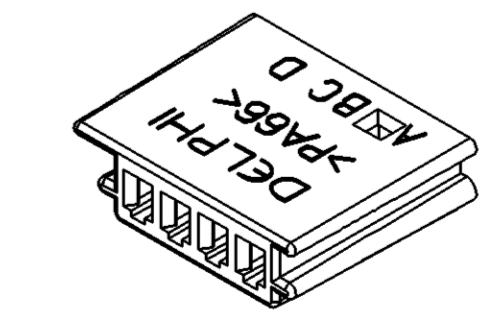
RECOMMENDED  
 BASE METAL - CDA-210, GILDING EXTRA SPRING TEMPER  
 PLATING - 0.005±0.0025 MM THICK TIN  
 MINIMUMS  
 ELECTRICAL CONDUCTIVITY - ≥ 20% IACS AT 20°C. USE OF A MATERIAL WITH CONDUCTIVITY < 20% IACS MUST BE APPROVED BY PACKARD ELECTRIC MATERIALS ENGINEERING.  
 TENSILE STRENGTH - 407 MPa  
 PLATING - FOR LOW ENERGY (≤ 5V) AND NON-PASSENGER COMPARTMENT POWER CIRCUITS, 0.0050±0.0025 MM THICK TIN. FOR MATERIALS CONTAINING 10% OR MORE ZINC, AN UNDERPLATE OF COPPER 0.005±0.0025 MM THICK IS REQUIRED.

**MATING BLADE INFORMATION**  
 INSPECTION SYMBOLS SHOWN IN THESE VIEWS ARE FOR REFERENCE ONLY



**MATING CONNECTOR INFORMATION**  
 INSPECTION SYMBOLS SHOWN IN THESE VIEWS ARE FOR REFERENCE ONLY

- NOTES
- 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. LIKE CAVITIES ARE IDENTICAL. SECONDARY LOCKING FEATURES ARE IDENTICAL.
  - THIS PART IS NOT CONTROLLED FOR AUTOMATIC FEEDING.
  - REFERENCE MATING COMPONENTS OR EQUIVALENT:  
 CONNECTOR F. B. SWITCH 20463709  
 CONNECTOR 12052054
  - THIS PART ACCEPTS THE FOLLOWING COMPONENTS OR EQUIVALENT:  
 CAVITIES TO ACCEPT 12047883 TERMINAL  
 MAX. INSULATION CRIMP MUST BE LESS THAN 2.3 HIGH AND 2.7 WIDE  
 SECONDARY LOCK 12045689.
  - MATERIAL RECYCLING CODE PER ISO 11469. (2.3)X(0.1) CHARACTERS AS SHOWN TO BE LOCATED ON ANY EXTERIOR SURFACE.
  - (2.3)X(0.1) RAISED DELPHI CORPORATE BRAND TO BE LOCATED ON ANY EXTERIOR SURFACE, PREFERABLY VISIBLE AT FINAL ASSEMBLY. OPTIONAL CONSTRUCTION TO BE "PED" OR NO LOGO.



VIEW SCALE DOES NOT REFLECT ACTUAL PART SIZE

(20) PROCESS SENSITIVE DIMENSION  
 DIMENSIONS ENCLOSED IN ( ) INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED

DIMENSIONAL RANGE (MM)	TOLERANCE (UNLESS OTHERWISE SPECIFIED)	CHART REF
FROM > 0 TO > 20	± 0.15	1
> 20 TO > 30	± 0.2	2
> 30 TO > 40	± 0.3	3
> 40 TO > 50	± 0.4	4
> 50 TO > 60	± 0.5	5
> 60 TO > 70	± 0.6	6
> 70 TO > 80	± 0.8	7
> 80 TO > 100	± 1.0	8
> 100 TO > 150	± 1.2	9
> 150 TO > 200	± 1.5	10
> 200 TO > 250	± 2.0	11
> 250 TO > 300	± 2.5	12
> 300 TO > 400	± 3.0	13

THIRD ANGLE PROJECTION	DO NOT SCALE	USE MATH DATA
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**DELPHI**  
 DELPHI PACKARD ELECTRIC SYSTEMS  
 WARREN, OH

DRW TYPE	PART DRAWING
STYLE	
VOLUME (100)	1.161
DISTR CODE	D
UNLESS OTHERWISE SPECIFIED	
THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5-1994. RULE #1 (FIRST FORM #1) DOES NOT APPLY WHEN RELATIONSHIP BETWEEN FEATURES IS ESTABLISHED BY ORIENTATION OR LOCATION TOLERANCES. SEPARATE POSITION CALLOUTS MAY BE GAGED SEPARATELY REGARDLESS OF DATA REFERENCES. DIMENSIONS APPLY AFTER HEAT TREAT AND SURFACE COATINGS.	
ALL DIMENSIONS ARE IN MILLIMETERS	
REFERENCE	
OR	DATE
APVD1 B. BENETTO	210C87
APVD2 R. W. GLEASON	16DEB7
APVD3 R. C. BARKER	04JAB8
APVD4	
SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER DELPHI 10949001	
MATERIAL M3592024 PA66 HS 1M CRM	
DRAWING NAME	
CONN 4 F M/P 150 CRM	
DRAWING NUMBER	
12045813	
SIZE	SCALE
A0	5:1
FRM NO	SHEET NO
1	1 OF 1
REV	REV
05	05

OPTIONAL CONSTRUCTION

