SECTION A-A

SECTION B-B

MATING CONNECTOR INFORMATION

MATING TERMINAL INFORMATION
SCALE 8:1

TYPE 101

TYPE 102
SAME AS TYPE 101
EXCEPT AS SHOWN

TYPE 101

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 — 13

MISSING SYMBOLS — NO MISSING SYMBOL NUMBER

LAST NO. USED — 13

REVISION HISTORY

END OF TERMINAL MUST BE FREE OF BURRS

BLADE THICKNESS, SEE MATERIAL SPECIFICATION

BLADE THICKNESS AND WIDTH MUST BE MAINTAINED FOR A MINIMUM OF 8.9 MM FROM COINED END

COIN ENDS TO ELIMINATE BURRS

PREFERRED 45° ACCEPTABLE

RECOMMENDED
BASE METAL - CDA-210, GILDING, EXTRA SPRING TEMPER
PLATING - 0.005±0.0025 MM THICK TIN

MINIMUMS
ELECTRICAL CONDUCTIVITY - ≥ 20% IACS @ 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 (6.5V) AND NON-PASSENGER COMPARTMENT POWER CIRCUITS, 0.005±0.0025 MM THICK TIN. FOR MATERIALS CONTAINING 10% OR MORE ZINC, AN UNDERPLATE OF COPPER 0.005±0.0025 MM THICK IS REQUIRED.

BLADE THICKNESS
UNPLATED = 0.613 ± 0.025
TIN PLATED = 0.623 ± 0.03

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. 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 FOREIGN MATTER.

3. 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-406 (WORLD CONNECTOR), ETC WHEN MATED TO MATING PART OR EQUIVALENT.

4. THIS PART ACCEPTS THE FOLLOWING COMPONENTS OR EQUIVALENT:
   TERMINAL 12077411
   SECONDARY TERMINAL LOCK 12034145
   CABLE SEAL 12015323
   CONNECTOR POSITION ASSURANCE LOCK 12020833

DELPHI

PART DRAWING

TAXI ASK CONN F M/P 280 SLD

12177245

PART NO	REV	N/P	STATUS	TYPE	CONNECTOR	CONN COLOR	CONN SEAL	BLOCKED CAVITIES	MATING DEVICE	MATING CONNECTOR
12177244	A2	-	-	102	12176486	GRAY	12034144	A, B, C		5300003
12040977	A2	-	-	101	12040951	BLACK	12034144		A2500755Z	5300003