





















TERMINAL, CABLE ALIGNMENT & POSITION

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. RECOMMENDED MATING BLADE THICKNESS 0.8 +0.04/-0.03mm RECOMMENDED MATING BLADE WIDTH NOT TO EXCEED 1.6mm
 AND NO LESS THAN 1.1mm. SEE USCAR EWCAP-001 (1.5 BLADE) FOR MATING BLADE REQUIREMENTS.
- 3. PLUS ANGLE IS WING BOTTOM SURFACE ROTATED COUNTERCLOCKWISE AGAINST THE BOX BOTTOM SURFACE.
- 4. MAXIMUM CURRENT CAPACITY AS DEFINED BY USCAR-2 R5 SECTION 5.3.3 IS 22 AMPS WITH 2.0mm2 COPPER CABLE.
- 5. * DENOTES DIMENSIONS MADE AT CUT-OFF AND CRIMP DIE
- 6. THIS TERMINAL CAN BE USED WITH USCAR CAVITY STANDARD EWCAP-002
- 7. MAXIMUM INSULATION CRIMP WIDTH OF 2.9mm AND HEIGHT OF 3.4mm FOR CABLE SIZE UP TO 2.8mm O.D.; MAXIMUM CORE CRIMP WIDTH IS 2.9mm.
- 8. PLATING TYPE:
- III. SLIPPERY TIN 0.6 1.2 μm THICK OVER NICKEL UNDERPLATE O.4 μ m MIN THICK.
- PLATING TYPE INFORMATION SHOWN ABOVE IS REFERENCE ONLY. PLATING REQUIREMENTS ARE CONTAINED IN APPLICABLE MATERIAL SPECIFICATION.
- 9. PARTS MEET THE PERFORMANCE REQUIREMENTS OF GMW3191
- DEC 2007 AND SAE/USCAR-2 R5 REVISIONS FOR THE FOLLOWING CLASSIFICATIONS:
- TEMPERATURE CLASS 3 (-40°C TO +125°C)
- VIBRATION CLASS 1 (ON BODY OR CHASSIS) SEALING CLASS 1 (UNSEALED) FOR GAGE I.D. 25 & 14
- SEALING CLASS 2 & 3 (SEALED-CONNECTOR DEPENDENT) FOR GAGE I.D. 21 &17
- 10. DO NOT PROBE, TEST OR OTHERWISE CONTACT THE INTERIOR REGION (THE SPRING OR ANY MOVING PART) OF THIS TERMINAL. SEVERE DAMAGE CAN OCCUR, COMPROMISING THE PERFORMANCE OF THE ELECTRICAL INTERFACE.

RIAL SPECIFICATION.	A LINE DRAWN THROUGH A PART NUMBER INDICATES THAT PHYSICAL PARTS ARE NOT AVAILABLE FOR ORDERING.
IG	PART NUMBERS THAT DO NOT HAVE A LINE PRESENT INDICATE THAT PHYSICAL PARTS ARE AVAILABLE FOR ORDERING.
	CONTACT APTIV SALES TO ASSURE AVAILABILITY OF PARTS.
	DWG TYPE PART DRAWING
	STYLE
REGION (THE MMAGE CAN INTERFACE.	VOLUME (CM³) DISTR CODE
	UNLESS OTHERWISE SPECIFIED THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5M-1994 AS AMENDED BY THE GM GLOBAL DIMENSIONING AND TOLERANCING ADDENDUM-2001. SEPARATE PATTERNS OF FEATURES MAY BE GAGED SEPARATELY REGARDLESS OF DATUM REFERENCES.
	ALL DIMENSIONS ARE IN MILLIMETERS
2 PROCESS SENSITIVE DIMENSION	REFERENCE
DIMENSIONS ENCLOSED IN () INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED	

THIRD ANGLE PROJECTION

USE MATH DATA

>12

OLERANCE UNLESS OTHERWISE SPECIF

ANGULAR TOLFRANCE ±2°

AWN THROUGH A PART NUMBER IYSICAL PARTS ARE NOT AVAILABLE DO NOT HAVE A LINE PRESENT INDICATE ITS ARE AVAILABLE FOR ORDERING. ES TO ASSURE AVAILABILITY PART DRAWING	CONNECTION SYSTEMS WARREN, OH COPYRIGHT 2017 APTIV. ALL RIGHTS F THIS DRAWING IS THE PROPERTY OF APTIV AND CONFIDENTIAL INFORMATION. THE REPRODUCTION UTILIZATION OF THIS DOCUMENT OR ITS RELATED CO AS COMMUNICATION OF ANY CONTENT TO OTHERS.	RESERVED. D CONTAINS APTIV , DISTRIBUTION AND AD MATH DATA, AS WELL
DISTR CODE	DR APVD1 YAMIR TELLEZ	DATE 18AP17
SS OTHERWISE SPECIFIED IN ACCORDANCE WITH ASME Y14.5M-1994	APVD2 YAMIR TELLEZ APVD3 ROBERT B. SNADER APVD4 APVD5	18AP17 18AP17
E GM GLOBAL DIMENSIONING AND NDUM-2001. SEPARATE PATTERNS OF GAGED SEPARATELY REGARDLESS OF DATUM RE IN MILLIMETERS	MATERIAL SEE CHART	
	TAXI TERM F OCS 1.	5
DO NOT SCALE USE MATH DATA	1 3 8 4 9 9 2 SIZE SCALE FRAME NO SHEET N A0 10:1 1 OF 1 4 OF)

2.0 - 2.8 | 3.6 | 4.3 | 3.5 | 4.2 33385008 | 01 | AB | COPPER ALLOY $[\]\ [$ I I I1.5 - 2 14 33385009 01 AB COPPER ALLOY 33385010 01 AB COPPER ALLOY _____ _____ 0.22 25 0.13 - 0.22 0.81 - 1.2 | 1.5 | 1.9 | 1.5 | 1.7 33385011 | 01 | AB | COPPER ALLOY CONTACT AREA PLATING | CRIMP AREA PLATING | CONTACT PLATING MATERIAL CABLE DIAMETER | B1 ±0.15 | B2 ±0.25 | (H1) I.D. CABLE SIZE (mm²) PART NO MAT'L SPEC TYPE (SEE NOTE #8) TYPE (SEE NOTE #8) THICKNESS