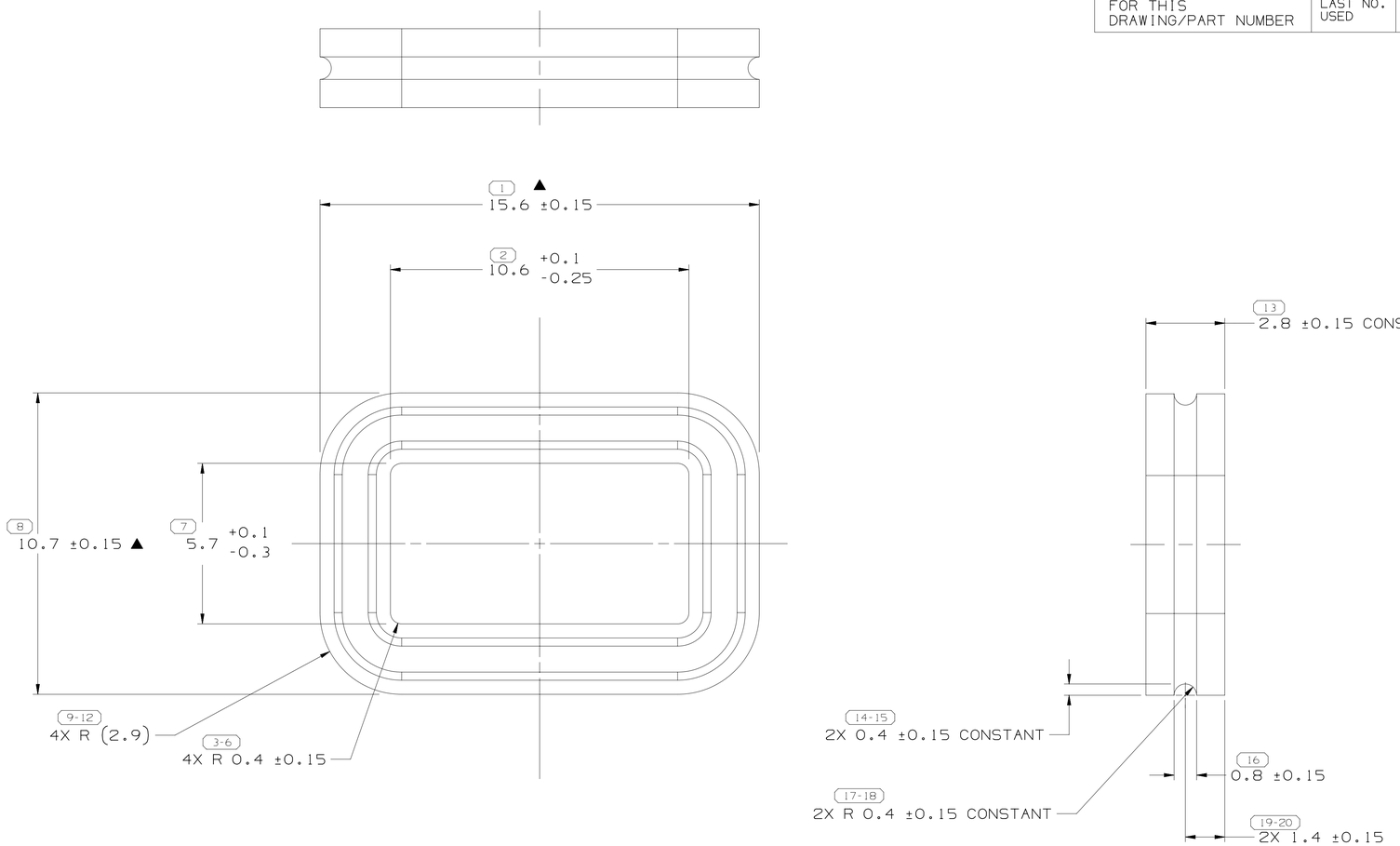
SYMBOL DEFINITION			MISSING NUMBERS
THE NUMBER INSIDE THE SYMBOL ( ) CORRESPONDS TO THE NUMBER ON THE INSPECTION REPORT FOR THIS DRAWING/PART NUMBER	TOTAL NO. OF SYMBOLS ON DRAWING	11	
	LAST NO. USED	20	

DWG STATUS					ZONE	REVISION HISTORY	AUTH	DR	CK	APVD
DATE	STG	REV	CHG	N/P						
30JN99	R	004	-	-		REDRAWN TO PD & REVISED MATERIAL NOTES	I95248	DAA	CMP	RH



MATERIAL SPECIFICATION

◯ MATERIAL - 30 DUROMETER LUBRICATED SILICONE

COLOR - BLUE

◯ DESCRIPTION - ASTM D-2000 M2GE303, B-37, E036, F19
Z_2, Z_3, Z_4, Z_5, Z_6, Z_7, Z_8, Z_9, Z_{10}, Z_{11}, Z_{12}

WHERE:

Z_2= DUROMETER HARDNESS (ORIGINAL)[SHORE A(10 SEC) ASTM D2240]= 27 ±4
Z_3= TENSILE STRENGTH (ORIGINAL)(ASTM D-412, DIE C)= 3.5 MPa MIN
Z_4= ELONGATION (ORIGINAL)(ASTM D-412, DIE C)= 450 % MIN
Z_5= TEAR (ORIGINAL)(ASTM D-624, DIE C)= 3.5 KN/M MIN
Z_6= COMPRESSION SET (ASTM D395, METHOD B)
22 HRS AT 150°C = 20 % MAX
70 HRS AT 150°C = 25 % MAX
1000 HRS AT 150°C = 40 % MAX
Z_7= HEAT AGING, 70 HRS AT 150°C (ASTM D573)
CHANGE-DUROMETER HARDNESS [SHORE A(10 SEC) ASTM D2240]= 0 TO +5
TENSILE CHANGE: (ASTM D-412, DIE C)= -0 % MAX
ELONGATION CHANGE: (ASTM D-412, DIE C)= -20 % MAX
Z_8= DUROMETER (FLUID AGED)[SHORE A(10 SEC) ASTM D2240]= 5 MIN
Z_9= TENSILE STRENGTH (FLUID AGED)(ASTM D-412, DIE C)= 1 MPa MIN
Z_{10}= ELONGATION (FLUID AGED)(ASTM D-412, DIE C)= 200 % MIN
Z_{11}= VOLUME CHANGE (FLUID AGED)= -5 % MAX
◯ Z_{12}= THE MATERIAL MUST EXTRUDE A NON COMPATIBLE SILICONE FLUID. DELPHI PACKARD ELECTRIC COMPONENT ENGINEERING DEPARTMENT MUST APPROVE THE LEVEL AND TYPE OF OIL USED.

NOTES:

1. THIS PART IS USED IN 12065454, 12065882 CONN OR 12065455, 12065883 CONN ASM OR EQUIVALENTS
2. GATE MARKS ARE NOT TO EXCEED 0.10 HIGH BY 0.20 R.
3. PARTS TO BE PACKAGED IN PLASTIC BAGS.
4. THIS PART IS CONTROLLED FOR AUTOMATIC FEEDING AS DENOTED ON DRAWING WITH ▲.
5. 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 DIMENSION)
FOR ALL OTHER DIMENSIONS NOT SHOWN BUT REQUIRED FOR TOOL BUILD, SEE MATH MODEL FOR PRECISE TOOL PATH DATA.

DELPHI Automotive Systems

THIS DRAWING AND/OR ELECTRONIC FILE, IS NOT A PROPRIETARY DESIGN OF DELPHI PACKARD ELECTRIC SYSTEMS

MATERIAL SPEC: SEE DWG

DIMENSIONAL RANGE (MM) CHART C

FROM TO	0 25	> 25 60	> 60 80	> 80
TOLERANCE UNLESS OTHERWISE SPECIFIED	±0.3	±0.5	±0.6	±0.75 %
ANGULAR TOLERANCE ± 2°				

PART DRAWING

DISTR CODE

CODE NUMBER	DWG DATE	SCALE
6901	17JA90	10:1
QC SPEC	STYLE	VOLUME cm³
		0.210

PART GEOMETRY: 3D SOLID

UG

CHANGE RESTRICTED
NO MANUAL CHANGES

UNLESS OTHERWISE SPECIFIED:

PERFECT FORM REQUIRED FOR FEATURES OF SIZE AT MMC. TRUE POSITION TOLERANCES AND RELATED DATUMS APPLY AT CONDITION OF SIZE INDICATED IN FEATURE CONTROL FRAME. ALL OTHER GEOMETRIC TOLERANCES AND RELATED DATUMS APPLY RFS. SEPARATE TRUE POSITION CALLOUTS MAY BE GAGED SEPARATELY, REGARDLESS OF DATUM REFERENCE.

COPY OF MATH DATA
DO NOT SCALE

REFERENCE: 001,701

	DR	DATE
APVD1	C. VANDOOZER	16MY90
APVD2	C. VANDOOZER	16MY90
APVD3	R. PARKHURST	17MY90
APVD4		
APVD5		

METRIC
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS

THIRD ANGLE PROJECTION

DRAWING NAME: SEAL CONN M/P 280.1 P2S

(1) PROCESS SENSITIVE DIMENSION

DIMENSIONS ENCLOSED IN ( ) INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED

SHEET NUMBER: 1 OF 1

DRAWING NUMBER: 12110269

DWG STATUS			SIZE
STG	REV	N/P	
R	004	-	A1

DELPHI PACKARD ELECTRIC SYSTEMS
WARREN, OH10 44486

User: wzwmz2
Path: z:\2012\0269-cu501-501\04 wzwmx3,07011999,101201.pdl
Date: 13-Jul-22 Time: 09:38:15