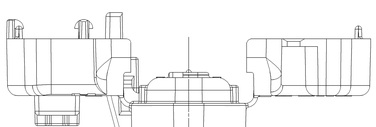

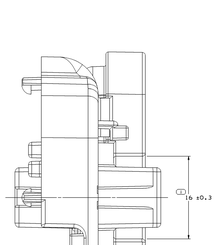

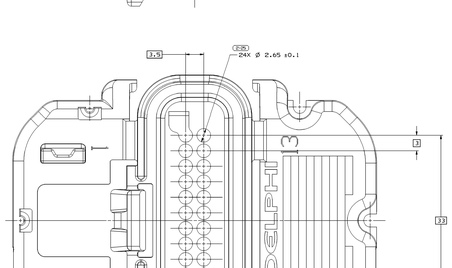

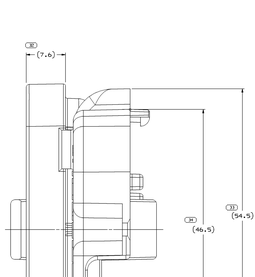

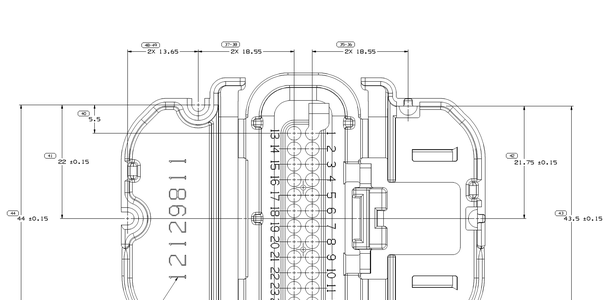

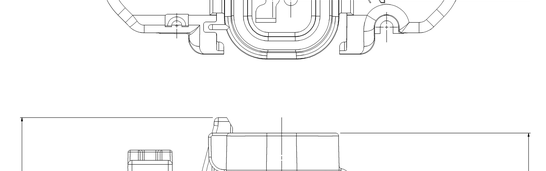

NOTES

1. UNLESS OTHERWISE SPECIFIED AND/OR INDICATED:

   DIMENSIONS ARE TO FACE OF VIEW SHOWN AND AUTOMATICALLY ROUNDED BY COMPUTER FOR INSPECTION PURPOSES. DIMENSIONS ARE TO CENTER OF POSITION TOLERANCE WHEN MISSING NOT SHOWN BUT REQUIRED FOR TOOL BUILD. SEE MATH MODEL FOR PRECISE TOOL PATH DATA.

2. MATING COMPONENTS OR EQUIVALENT:

   CONNECTOR SEE CHART

3. THIS PART ACCEPTS THE FOLLOWING COMPONENTS OR EQUIVALENT:

   TERMINAL 12084912
   CPA 12162299
   SEAL 12110403

4. THIS PART ALSO USED WITH RETAINER 12129183, CAVITY PLUG(S) 12129957 AND WHEN FULLY ASSEMBLED MATES TO HEADER CONNECTOR ASSEMBLY 12592320 OR EQUIVALENT.

5. 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), 2-4006 (WORLD CONNECTOR), ETC WHEN MATED TO MATING PART OR EQUIVALENT

6. MAX. INSULATION CRIMP MUST BE LESS THAN 2.45 HIGH AND 2.45 WIDE.

7. CRIMP WIRE DIMENSIONS AFTER CRIMPING MAY NOT EXCEED 2.05 MM DIAMETER: MAX CABLE O.D. 2.42 MM REFER TO ESA-605 FOR CRIMP DIMENSIONS.

8. MATERIAL RECYCLING CODE >TEEEK PER SAE J1344. (2.3)X(0.1) RAISED CHARACTERS AS SHOWN TO BE LOCATED ON ANY EXTERIOR SURFACE. OPTIONAL CONSTRUCTION TO BE NO MATERIAL RECYCLING CODE.

9. (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 "MSD" OR NO LOGO.

PART NO	REV	S/P	STATUS	MATERIAL SPECIFICATION AND COLOR	MATING CONNECTOR	VOLUME CM³
12129846	A	1		MCP58020 TEEE BDO-BLK	12129025	10.16
12129811	C	1		MCP58018 TEEE BDO-GRA	12129025	10.16

SYMBOL DEFINITION			MISSING NUMBERS
A DIMENSION WITHOUT AN INSPECTION REPORT IS A REFERENCE OR REQUIRE INSPECTION. IT MAY BE CONTROLLED ON AN INDIVIDUAL COMPONENT DRAWING.	TOTAL NO. OF SYMBOLS ON DRAWING	24	
	LAST NO. USED	50	

REVISION HISTORY										
DWG STATUS						ZONE	DATE	DR	DP	DP
DATE	STS	REV	PLP	CAM						
06JAN07	R	02	-	-	-		ALL PARTS - CLEARED REV COLUMN & ADDED DELPHI LOGO, WRIT, REVISING CODE, NOTES 10 & 11! & P/N DRAWING, REVISED WRIT, STD.	DRT13	JARCAR	JAR
19NOV08	R	03	-	-	-		ALL PARTS - THREW BACK TO PREVIOUS REV. (12129811 IS NOW REV C. 12160849 IS NOW REV A)	JTRWAZ	JAR	KURMAD

1	12129846	A	1	MCP58020 TEEE BDO-BLK	12129025		10.16
2	12129811	C	1	MCP58018 TEEE BDO-GRA	12129025		10.16
PART NO		REV	S/P	STATUS MATERIAL SPECIFICATION AND COLOR	MATING CONNECTOR		VOLUME CM³

DELPHI PACKARD ELECTRIC SYSTEMS
WARREN, OH

GEOMETRIC	PART DRAWING
STYLE	
SCALE 1X	SEE CHART
SHEET SIZE	

UNLESS OTHERWISE SPECIFIED
THIS DRAWING IS A PROPRIETARY DESIGN AND CAN BE ONLY USED FOR THE PURPOSE OF QUOTATION, MANUFACTURE OR SALE OF DELPHI PRODUCTS. ANY OTHER USE OR DISCLOSURE TO THIRD PARTIES WITHOUT WRITTEN PERMISSION IS STRICTLY PROHIBITED. ALL RIGHTS IN THE DESIGN, INVENTION, PATENT, COPYRIGHT, TRADEMARK OR OTHER TRADE SECRET RIGHTS RELATED TO THE DESIGN IS RETAINED BY DELPHI. THIS DRAWING MAY NOT BE COPIED OR REPRODUCED IN ANY FORM WITHOUT PRIOR WRITTEN CONSENT.
ALL DIMENSIONS ARE IN MILLIMETERS

REFERENCE

⊘ Ø	PROCESS SENSITIVE DIMENSION
	DIMENSION ENCLOSED IN A TRIANGLE INDICATES DIMENSIONS NOT IN TOLERANCE

MANUFACTURED FROM	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	
25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	
DRAWN IN ACCORDANCE WITH ASME Y14.5M-1994	
DIMENSIONS ARE INCLUSIVE OF PLATING	
PARTS MUST BE PACKAGED TO PREVENT DAMAGE	

THIRD ANGLE PROJECTION

CD-ROM SO-ATT
HRL-ALTR
"SLAN"

DELPHI	
DELPHI PACKARD ELECTRIC SYSTEMS	
WARREN, OH	
DRAWN BY	DATE
CHK	
APVD PON ALPINE	16JAN04
APVD GENE MORCHINE	20JAN04
APVD JAY GRABIEC	20JAN04
APVD	
APVD	
SUBMARKET OF ORIGIN HAS RECEIVED SAMPLES FOR QUAL. (APPROVED)	
GENERICAL	SEE CHART
DESCRIPTION	TAIL LOCK STRAIN RLF MIC/P 100M
DRAWING NUMBER	12160849 A
SIZE A1x4	SCALE 5:1
SHEET 1 OF 2	SHEET W 1 OF 1
STS R	REV 03

12160849

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