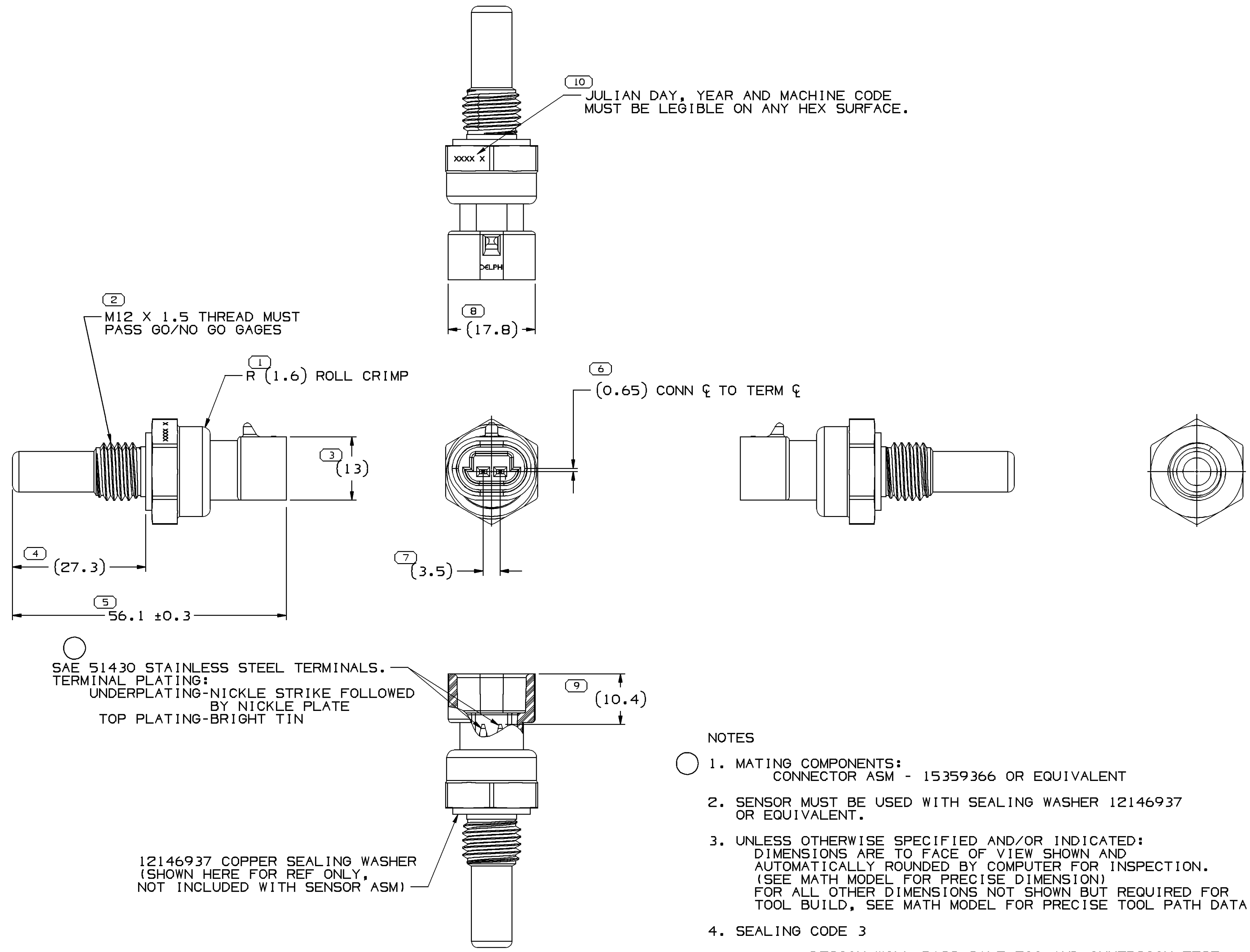
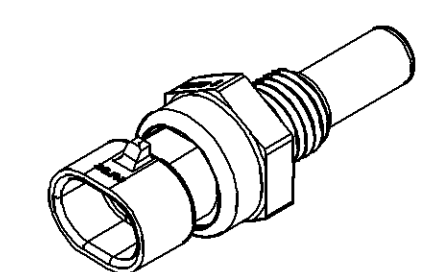


SYMBOL DEFINITION		MISSING NUMBERS		DWG STATUS					ZONE		REVISION HISTORY		AUTH	DR	APVD1	APVD2								
THE NUMBER INSIDE THE SYMBOL	TOTAL NO. OF SYMBOLS ON DRAWING			DATE	STG	REV	N/P	CHG																
○	10			09JUL99	R	04	-	-									195170	RGV	FKV	SH				
				20JN00	R	05	-	-																
				05DE01	R	05	AA	-													217781	EES	EES	TE



- NOTES
- MATING COMPONENTS:
CONNECTOR ASM - 15359366 OR EQUIVALENT
 - SENSOR MUST BE USED WITH SEALING WASHER 12146937 OR EQUIVALENT.
 - 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.
 - 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-4006 (WORLD CONNECTOR), ETC. - WHEN MATED TO MATING PART OR EQUIVALENT.
 - SENSOR MUST BE HAND STARTED INTO MATING THREADED HOLE (M12 X 1.5 INTERNAL THREAD).
 - THE INSTALLATION TORQUE RANGE FOR THIS SENSOR, WHICH MAY VARY FOR EACH SPECIFIC APPLICATION, IS 20-26 NM (REF).
 - JULIAN YEAR IS LAST DIGIT OF CURRENT YEAR. (OPTIONAL: LAST 2 DIGITS)
MACHINE CODE MAY BE 1 OR 2 DIGIT DESIGNATION. DIGITS MAY BE ALPHANUMERIC.



128	81.65 ±2.91 Ω REF
TEMPERATURE (°C)	NO LOAD RESISTANCE (OHMS)

DIMENSIONAL RANGE (MM)		CHART ET	
FROM	TO	>	>
> 0	> 20	> 30	> 70
> 20	> 30	> 70	> 100
> 30	> 70	> 100	> 150
> 70	> 100	> 150	> 200
> 100	> 150	> 200	> 250
> 150	> 200	> 250	> 300
> 200	> 250	> 300	> 400

TOLERANCE UNLESS OTHERWISE SPECIFIED

±0.15	±0.2	±0.3	±0.4	±0.5	±0.6	±0.8	±1	±1.2
-------	------	------	------	------	------	------	----	------

ANGULAR TOLERANCE ±2°

DWG TYPE		PART DRAWING	
STYLE			
VOLUME (QTY)		DISTR CODE	
		D	
UNLESS OTHERWISE SPECIFIED			
THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5M-1994 AS AMENDED BY THE 9M GLOBAL DIMENSIONING AND TOLERANCING ADDENDUM - 1997. ALL GEOMETRIC TOLERANCES AND RELATED DATUMS APPLY RFS. RULE #1 (PERFECT FORM AT MMC) DOES NOT APPLY WHEN RELATIONSHIP BETWEEN FEATURES IS ESTABLISHED BY ORIENTATION OR LOCATION TOLERANCES. SEPARATE POSITION CALLOUTS MAY BE GAGED SEPARATELY, REGARDLESS OF DATUM REFERENCE. ALL DIMENSIONS ARE IN MILLIMETERS			
REFERENCE			
THIRD ANGLE PROJECTION		DO NOT SCALE	
USE MATH DATA		UNIGRAPHICS	

DELPHI
DELPHI PACKARD ELECTRIC SYSTEMS
WARREN, OH

DR	T. MORELLO	DATE	17SE93
APVD1	J. KENNEDY		17SE93
APVD2	J. KENNEDY		17SE93
APVD3	D.A. DESANTO		120C93
APVD4			
APVD5			

SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER DELPHI 10949001

MATERIAL
SEE INDIVIDUAL COMPONENT DRAWINGS

DRAWING NAME
ASM CONN 2 M M/P 150 BLK SENSOR

DRAWING NUMBER
12146897

SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1	2:1	1 OF 1	1 OF 1	R	05	AA

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Aptiv:](#)

[12146897](#)