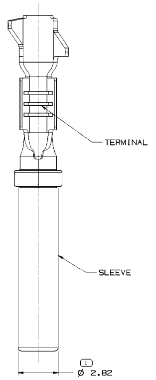
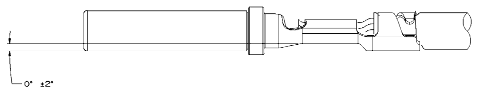
SYMBOL DEFINITION		
A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL ( ) DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING.	TOTAL NO OF INSPECTIONS REQUIRED	4
	LAST NO. USED	4

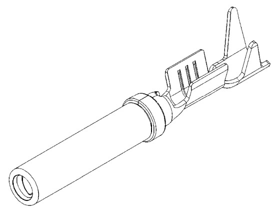
MISSING SYMBOLS
NO MISSING SYMBOL NUMBER

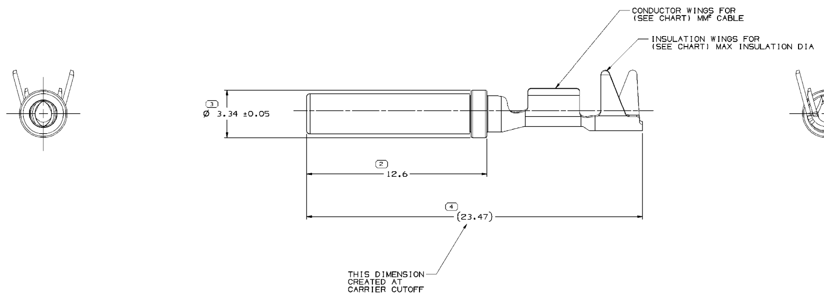
DWG STATUS DATE	STG	REV	N/P	CHG	ZONE	REVISION HISTORY	AUTH	DR	APVD 1	APVD 2
21AU08	R	01	-	-		13663718, 13663719, 13663720, 13690835, 13690836, 13690837, 13697414, 13697415, 13697416, 13697417, 13697418 & 13697419 RELEASED	401819	END	END	RP
10AU09	R	02	-	-		ALL PARTS - DIM Ø 3.34 ±0.05 WAS Ø 3.34 +0.15/-0	408568	ECB	AUG	PGD
18AU09	R	03	-	-		ALL PARTS - REVISED NOTE #3	408674	ECB	AUG	PGD
27OC09	R	04	-	-		ALL PARTS - ADDED LUBRICATION NOTE #4	409315	JTZ	FKV	PGD
02JL10	R	05	-	-		ALL PARTS - UPDATED PDM ATTRIBUTES	411272	ESC	ESC	PGD
10DE10	R	06	-	-		13697414 & 13697417 - CABLE DIA 1.4-2.15 WAS 1.8-1.87	412856	CBG	CBG	PGD
07MR11	R	07	-	-		ALL PARTS - ADDED TERMINAL NOTES	413478	ARC	ARC	PGD
27MY11	R	08	-	-		ALL PARTS - ADDED ASSEMBLY NOTE	414410	JTZ	JTZ	PGD
03JN11	R	09	-	-		ALL PARTS - UPDATED PDM ATTRIBUTES	414463	JCF	JAA	PGD
09SE11	R	10	-	-		ALL PARTS - REMOVED "MAX CURRENT CAPACITY" & "INSULATION CRIMP" NOTES	415284	AJP	JVM	PGD
14OC11	R	11	-	-		ALL PARTS - ADDED TERMINAL APPLICATION INFORMATION NOTE	415778	JCF	JVM	PGD
01FE13	R	12	-	-		ALL PARTS - UPDATED PDM ATTRIBUTES	421280	CER	CER	PGD





CRIMPED TERMINAL AND CABLE ALIGNMENT





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. TERMINAL MUST BE MADE BY APPLYING NYE 148G LUBE OIL OR EQUIVALENT (PREFERRED WITH A FLUORESCENT TRACE ADDED). AFTER STAMPING (OR FINAL PROCESS PRIOR TO SHIPPING). NYE 148G MUST BE PRESENT ON THE MATING INTERFACE AREA AND ON THE OUTSIDE SURFACE OF THE CORE CRIMP WINGS. THE RECOMMENDED APPLICATION METHOD RATE UTILIZES A QUANTITY OF 0.75 GALLONS MINIMUM PER 1 MILLION TERMINALS. ANY OTHER LUBRICANT MUST BE APPROVED BY DELPHI CONNECTION SYSTEMS PRODUCT ENGINEERING. THE NYE 148G OIL CAN ALSO BE APPLIED DURING THE STAMPING OPERATION AT A RATE OF 50% NYE 148G AND 50% FIN LUBE 177 (SUPPLIED BY PPG).

3. TERMINAL CAN BE USED IN ANY 1.6 MM (SIZE 16 MIL 39029) INDUSTRY STANDARD CAVITY EXAMPLES - DEUTSCH DT, AMPSEAL 16

4. TERMINAL IS DIRECT REPLACEMENT FOR (EQUIVALENT TO) THE DEUTSCH 1062-16-XXXX FAMILY OF STAMPED AND FORMED CONTACTS

5. REFER TO DRAWING NUMBER 13922721 FOR TERMINAL APPLICATION INFORMATION (CURRENT CARRYING CAPABILITY, CABLE CRIMP RANGE, ETC.)

MATERIAL NOTES :

TERMINAL: COPPER ALLOY - 0.30 THK
SLEEVE: STAINLESS STEEL - 0.13 THK

ASSEMBLY NOTE:

1. SLEEVE MUST WITHSTAND PULL-OFF FORCE IN DIRECTION PARALLEL TO CENTER OF TERMINAL OF 60 NEWTONS MIN.

PART NO	REV	N/P	STATUS	CONTACT PLATING	SIZE (MM²)	ID	DIA	MATING TERM
13697419	01	AK	-	GOLD	2-3	13T	2.4-3.31	13697413
13697418	01	AK	-	GOLD	1-1.5	15T	1.8-2.45	13697412
13697417	01	AL	-	GOLD	0.5-0.8	19T	1.4-2.15	13697411
13697416	01	AK	-	NICKEL	2-3	13T	2.4-3.31	13697410
13697415	01	AK	-	NICKEL	1-1.5	15T	1.8-2.45	13697409
13697414	01	AL	-	NICKEL	0.5-0.8	19T	1.4-2.15	13697408
13690837	01	AK	-	GOLD	2-3	13	2.89-3.67	13690840
13690836	01	AK	-	GOLD	1-1.5	15	2.4-3	13690839
13690835	01	AK	-	GOLD	0.5-0.8	19	2-2.78	13690838
13663720	01	AK	-	NICKEL	2-3	13	2.89-3.67	13663717
13663719	01	AK	-	NICKEL	1-1.5	15	2.4-3	13663716
13663718	01	AK	-	NICKEL	0.5-0.8	19	2-2.78	13663715
TERMINAL & SLEEVE ASSEMBLY					CABLE			

3 PROCESS SENSITIVE DIMENSION

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

DIMENSIONAL RANGE (MM)		CHART D
FROM TO	0 12	>12
TOLERANCE UNLESS OTHERWISE SPECIFIED	±0.1	±0.2
ANGULAR TOLERANCE ±2°		

A LINE DRAWN THROUGH A PART NUMBER INDICATES THAT PHYSICAL PARTS ARE NOT AVAILABLE FOR ORDERING.

PART NUMBERS THAT DO NOT HAVE A LINE PRESENT INDICATE THAT PHYSICAL PARTS ARE AVAILABLE FOR ORDERING.

CONTACT DELPHI SALES TO ASSURE AVAILABILITY OF PARTS.

DWG TYPE: PART DRAWING

STYLE

VOLUME (CM³)

DISTR CODE: D

UNLESS OTHERWISE SPECIFIED

THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5M-1994 AS AMENDED BY THE GM 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

CAD NX

DELPHI

DELPHI PACKARD ELECTRICAL/ELECTRONIC ARCHITECTURE

WARREN, OH

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		DATE
DR		
APVD1	E.NEAL DUNHAM	21AU08
APVD2	E.NEAL DUNHAM	21AU08
APVD3	R. POLENICK	21AU08
APVD4		
APVD5		

SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER DELPHI 10949001

MATERIAL: SEE MATERIAL NOTES

DRAWING NAME: TAXI ASM TERM F HES 1.6

DRAWING NUMBER: 13654419

SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A0	10:1	1 OF 1	1 OF 1	R	12	-