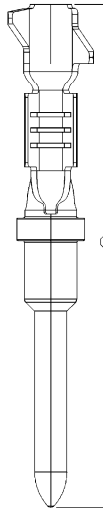
KEY PRODUCT CHARACTERISTICS			
SAFETY/COMPLIANCE	FIT/FUNCTION	TOTAL ON DRAWING	1
S/C CHECKPOINTS	F/F CHECKPOINTS	LAST NO. USED	1

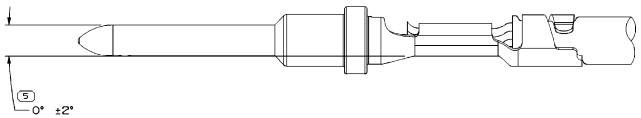
NO & TYPE	DESCRIPTION	RATIONALE	PTS	ZONE
1 FF	DIAMETER			E10

SYMBOL DEFINITION		
A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL (5) DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING.	TOTAL NO OF INSPECTIONS REQUIRED	5
	LAST NO. USED	5

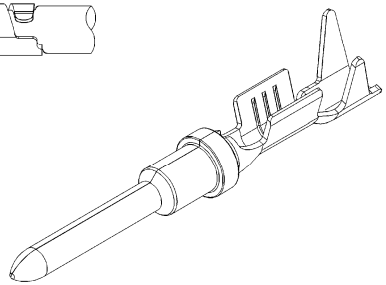
MISSING SYMBOLS
NO MISSING SYMBOL NUMBER

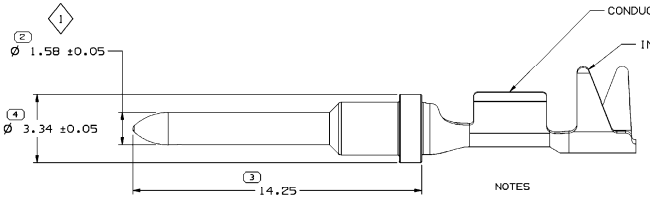
DWG STATUS DATE	STG	REV	N/P	CHG	ZONE	REVISION HISTORY	AUTH	DR	APVD1	APVD2
21AU08	R	01	-	-		13663715, 13663716, 13663717, 13690838, 13690839, 13690840, 13697408, 13697409, 13697410, 13697411, 13697412 & 13697413 RELEASED	401819	END	END	RP
07AU09	R	02	-	-		ALL PARTS - UPDATED PDM ATTRIBUTES	408567	JTZ	FKV	PGD
25AU09	R	03	-	-		ALL PARTS - REVISED TOL (1 PLC) & NOTE #3 INSULATION CRIMP NOT TO EXCEED WAS Ø 4	408673	JTZ	FKV	PGD
28OC09	R	04	-	-		ALL PARTS - ADDED LUBRICATION NOTE #4	409316	JTZ	FKV	PGD
31MR10	R	05	-	-		13697411 - CABLE DIA WAS 2.89 - 3.67	410406	JAR	JAR	PGD
11OC10	R	06	-	-		ALL PARTS - CORRECTED CABLE DIA RANGE COLUMN ON TAXI CHART	412207	JAR	JAR	GER
10DE10	R	07	-	-		13697408 & 13697411 - CABLE DIA 1.4-2.15 WAS 1.4-1.87	412856	CBG	CBG	PGD
07MR11	R	08	-	-		ALL PARTS - ADDED TERMINAL NOTES	413479	ARC	ARC	PGD
03JN11	R	09	-	-		ALL PARTS - UPDATED PDM ATTRIBUTES	414461	JCF	JVM	PGD
05SE11	R	10	-	-		ALL PARTS - REMOVED "MAX CURRENT CAPACITY" & "INSULATION CRIMP" NOTES	415285	AHY	JVM	PGD
14OC11	R	11	-	-		ALL PARTS - ADDED TERMINAL APPLICATION INFORMATION NOTE	415779	JCF	JVM	PGD
30JA13	R	12	-	-		ALL PARTS - UPDATED PDM ATTRIBUTES	421277	AGC	JVM	PGD
19MR13	R	13	-	-		ALL PARTS - ADDED KPC SYMBOL (1 PLC) & CHART	421799	AJP	JVM	PGD
16MY13	R	14	-	-		ALL PARTS - UPDATED PDM ATTRIBUTES	422614	ORA	ESC	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 1480 LUBE OIL OR EQUIVALENT (PREFERRED WITH A FLUORESCENT TRACE ADDED). AFTER STAMPING (OR FINAL PROCESS PRIOR TO SHIPPING). NYE 1480 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 1480 OIL CAN ALSO BE APPLIED DURING THE STAMPING OPERATION AT A RATE OF 50% NYE 1480 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.)

PART NO	REV	N/P	CONTACT PLATING	SIZE (MM²)	ID	DIA ±0.08	MATING TERMINAL
			PLATED	CABLE			
13697413	01	AL	GOLD	2-3	13T	2.4-3.31	13697419
13697412	01	AL	GOLD	1-1.5	15T	1.8-2.45	13697418
13697411	01	AN	GOLD	0.5-0.8	19T	1.4-2.15	13697417
13697410	01	AL	NICKEL	2-3	13T	2.4-3.31	13697416
13697409	01	AL	NICKEL	1-1.5	15T	1.8-2.45	13697415
13697408	01	AM	NICKEL	0.5-0.8	19T	1.4-2.15	13697414
13690810	01	AL	GOLD	2-3	13	2.89-3.67	13690837
13690839	01	AL	GOLD	1-1.5	15	2.4-3	13690836
13690838	01	AL	GOLD	0.5-0.8	19	2-2.78	13690835
13663717	01	AL	NICKEL	2-3	13	2.89-3.67	13663720
13663716	01	AL	NICKEL	1-1.5	15	2.4-3	13663719
13663715	01	AL	NICKEL	0.5-0.8	19	2-2.78	13663718

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

DWG TYPE: PART DRAWING

STYLE

VOLUME (CM³) | DISTR CODE

UNLESS OTHERWISE SPECIFIED

THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5M-1994 AS AMENDED BY ISO 1101-1:1996. DIMENSIONING AND TOLERANCING ASSESSION = 1990. 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 SHARED SEPARATELY, REGARDLESS OF DATUM REFERENCE.
ALL DIMENSIONS ARE IN MILLIMETERS

4 PROCESS SENSITIVE DIMENSION

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

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

REFERENCE

THIRD ANGLE PROJECTION

DO NOT SCALE USE MATH DATA

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 (9949001)

MATERIAL: COPPER ALLOY

DRAWING NAME: TAXI TERM M HES 1.6

DRAWING NUMBER: 13654420

SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1	10:1	1 OF 1	1 OF 1	R	14	-

User: (CD)
Dwg: 13654420-001-A1.dwg JAN. 11-May-15 Rev: 0.0.0
Template: Template