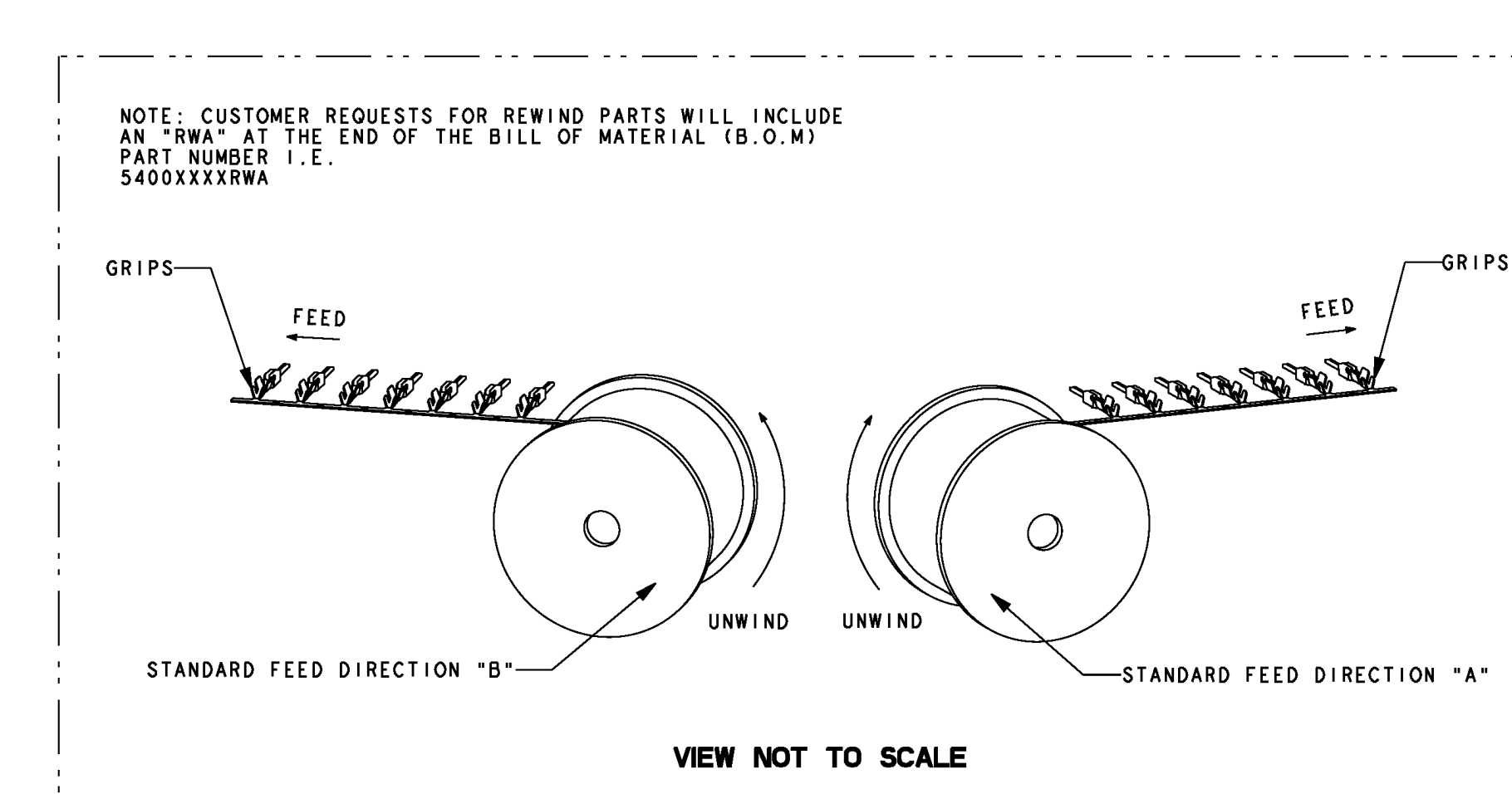
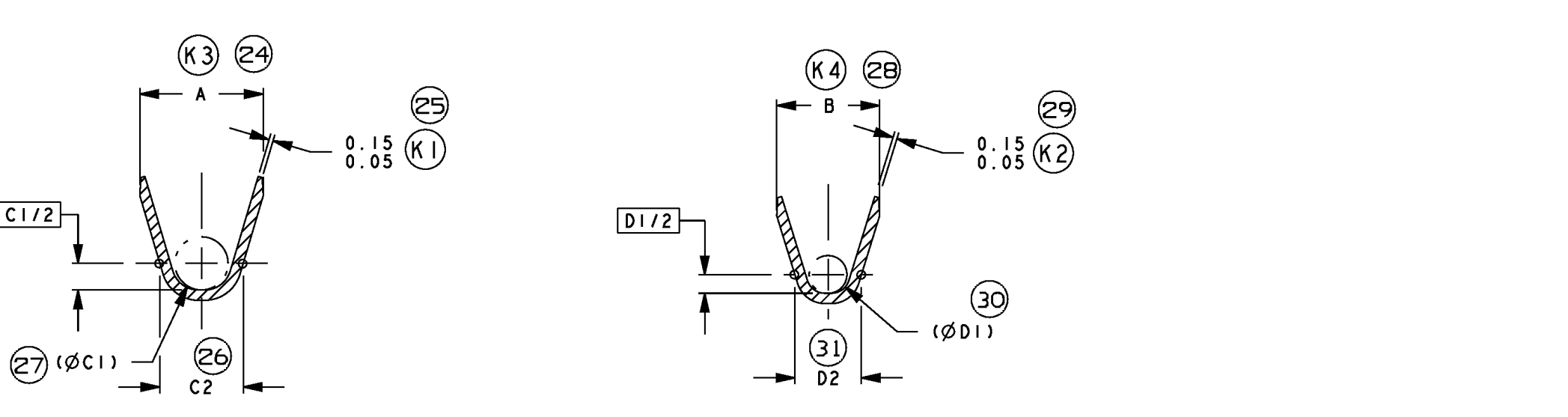
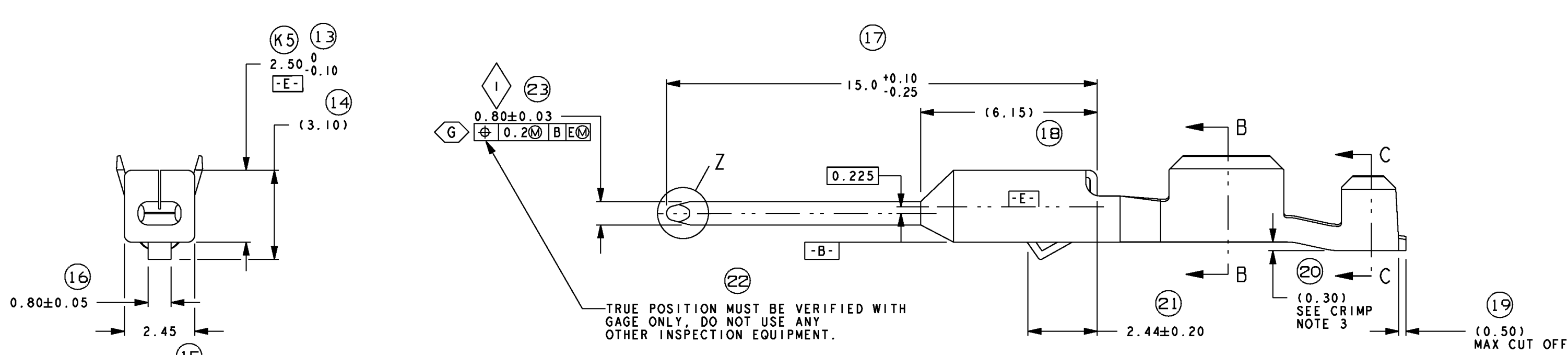
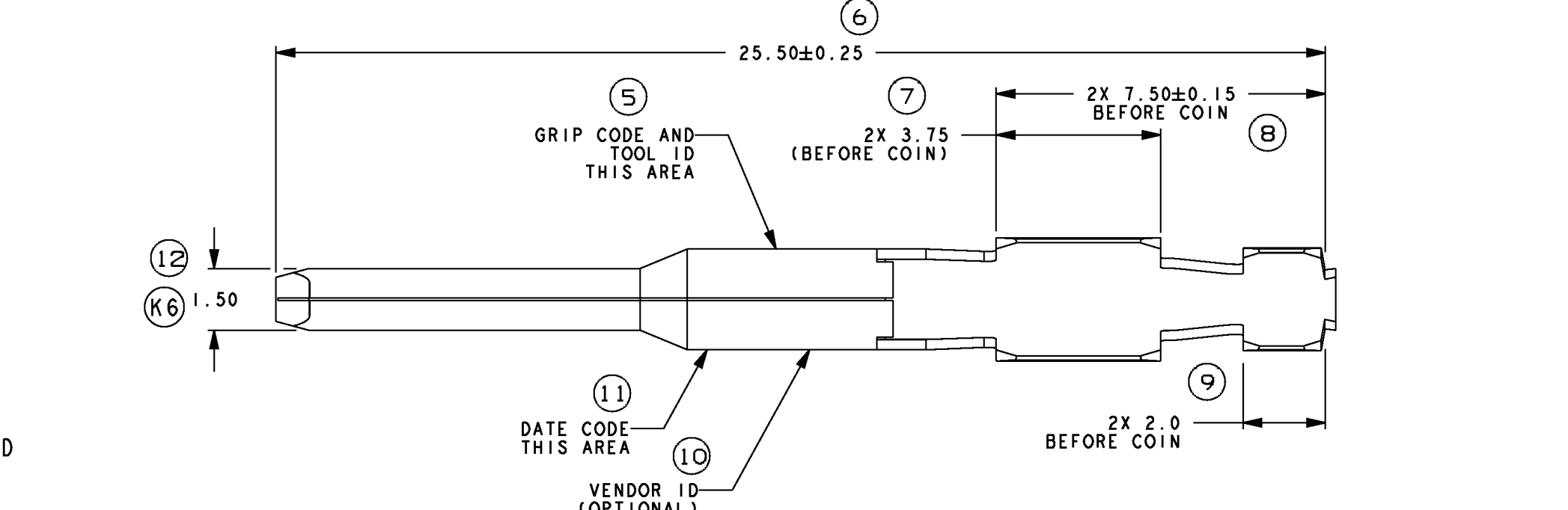


PLATING NOTES:

1. TIN PLATE NOT TO OVERLAP PRECIOUS METAL
2. TIN AND NICKEL OVERLAP IS NECESSARY TO AVOID EXPOSURE OF BARE METAL



TIN ALL OVER		PART NUMBER				GRIP CODE	WIRE SPECIFICATION	A	B	(ØC1)	C2	(ØD1)	D2	E+r-0.02	F+r-0.02	G+r-0.02	J+r-0.02	K+r-0.02	M+r-0.02	N+r-0.02 FOR STYLE	N+r-0.02 FOR STYLE	P+r-0.02 FOR STYLE	P+r-0.02 FOR STYLE	R+r-0.02	S+r-0.02	T+r-0.02
		PALLADIUM		GOLD																						
		AREA 1 (IN-LINE)	AREA 2 (SHORTING BAR)	AREA 1 (IN-LINE)	AREA 2 (SHORTING BAR)																					
54001626	54001628	54001629	54001633	54001634	16	ESB-M1123-A/ MS 8268	3.0	3.7	1.00	1.6	1.75	2.4	0.92	0.53	0.13	2.56	1.99	1.97	0.18	0.67	2.34	1.15	2.52	2.53	1.23	
54002001	54002003	54002004	54002008	54002009	20	ESB-M1123-A/ MS 8268	2.5	3.1	0.76	1.4	1.40	2.0	0.74	0.43	0.09	2.06	1.59	1.59	0.16	0.60	2.16	1.10	2.33	2.33	1.17	



CRIMP NOTES:

1. THE CRIMP AND CRIMP TOOLING DIMENSIONS HAVE BEEN ESTABLISHED AND VALIDATED TO USCAR-21 USING CRIMP TOOLS, MACHINES AND PROCESSES. THE DIMENSIONS SHOWN ARE FOR REFERENCE.
2. WIRING SUPPLIERS ARE TO DEVELOP AND VALIDATE THEIR CRIMPING SPECIFICATIONS AND CRIMPING PROCESSES TO ALL APPLICABLE ASPECTS OF THE CRIMPING SPECIFICATIONS IN USCAR-21. WIRING SUPPLIER DEFINED CRIMPING SPECIFICATIONS AND CRIMPING PROCESSES MUST BE SUBMITTED TO USCAR-21 REV. 2, 4.2.5.1.3; CONTACT CRIP ENGINEERING FOR ANY NEEDED ASSISTANCE IN THIS REGARD.
3. DESIGN REFERENCE INFORMATION: IT IS RECOMMENDED THAT THE NOTED NOMINAL OFFSET BETWEEN THE CONDUCTOR AND THE HIGH VOLTAGE GRIP NOT BE CHANGED BY THE CRIMPING PROCESS. RESIZING THIS FEATURE DURING CRIMPING CAN NEGATIVELY IMPACT CONNECTOR SYSTEM FUNCTION. ACCEPTABILITY OF THE ACTUAL CRIMPING PROCESS TO THE CRIMPING SPECIFICATION, AND CRIMPING PROCESS USED IS TO BE DETERMINED AS DEFINED IN CRIMP NOTE 2.
4. DESIGN REFERENCE INFORMATION: CRIMPED TERMINALS ARE USED ON VARIOUS CONNECTOR APPLICATIONS. +/- 3 DEGREES TOLERANCE TO TERMINAL DATUM "E" CAN BE ASSUMED. ACTUAL CRIMP TOLERANCES DEFINED IN THE CRIMPING SPECIFICATION ARE TO BE USED TO DETERMINE IF THE CRIMPING PROCESS CAN BE VERIFIED AS SUITABLE BY FULL VALIDATION TO ALL ASPECTS OF USCAR-21 INCLUDING SECTION 4.2.5.

NOTES:

(3) 1 (R) INDICATES IN-PROCESS INSPECTION FOR MANUFACTURING DIMENSIONS OR SPECIFICATIONS : 8

(3) 2  QUALITY ASSURANCE REQUIREMENTS SPEC DATA REQUIRED : 1

(3) 2 1 MUST COMPLY WITH ALL APPLICABLE REQUIREMENTS OF :
SAC/USCAR-2 REV 2
SAC/USCAR-1 REV 2

(3) 3 1 MATERIAL:

(3) 3 2 1 T1 TYPING ALLOY: 0.254 +/- 0.008 C19400
C90 ELECTROMETRIC T1 PLATING
0.00127/0.0026 THICK
TENSILE STRENGTH: 179 - 483 MPa
TYPING STRENGTH: 379 MPa
CONCENTRATION IN SIMM: 28 IN

(3) 3 2 2 PALLADIUM & GOLD PLATING : SAME AS OPTION 1 EXCEPT
NOT APPLIED
SEE CHART FOR POST PLATING CALLOUTS

(3) 4 1 IT IS PERMISSIBLE TO PERFORM CONTINUOUS CONFORMANCE
FCI SPECIFICATION RAGA-001 INSTEAD OF ANNUAL LAYOUT
VERIFICATION. RAGA-001 RAGS-000 ARE REQUIRED
2 ALL NON-REFERENCE DIMENSIONS ARE REQUIRED
3 TO IDENTIFY PRODUCT IDENTIFYING TOOLING
4 - POINT OF LAST RUN

(3) 5 1 UNLESS OTHERWISE SPECIFIED
1 PLACE DIM $\pm .01$
2 PLACE DIM $\pm .01$
3 ANGULAR DIM $\pm .1$

(3) 6 1  DENOTES GAGE REQUIREMENTS FOR MANUFACTURER AND MANUFACTURING

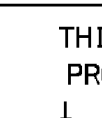
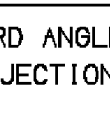
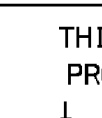
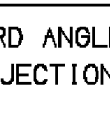
[illegible]

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.

54001633	L	13768448	01	AK	15520260	01	AD	M6575H94
54002008	L	13784736	01	AJ	15520262	01	AD	M6575H94
54002004RWA	L	15520259	01	AC	-	-	-	33500641
54002004	L	33500641	01	AD	15520262	01	AD	M6575H94
54002003RWC	L	15520257	01	AC	-	-	-	13851003
54002003RWA	L	15548865	01	AA	-	-	-	13851003
54002003	L	13851003	01	AG	15520262	01	AD	M6575H94
54002001RWA	L	15520256	01	AC	-	-	-	13624759
54002001	L	13624759	01	AK	-	-	-	M6576H94
54001629	L	13755243	01	AJ	15520260	01	AD	M6575H94
54001628RWA	L	15548863	01	AA	-	-	-	13795935
54001628	L	13795935	01	AD	15520260	01	AD	M6575H94
54001626RWC	L	33162170	01	AA	-	-	-	13630404
54001626RWA	L	15520254	01	AC	-	-	-	13630404
54001626	L	13630404	01	AK	-	-	-	M6576H94
PART NUMBER	REV	PART NUMBER	REV	N/P	PART NUMBER	REV	N/P	MAT'L SPEC
PLATED				UNPLATED				

LINE DRAWN THROUGH PART NUMBER INDICATES THAT PHYSICAL PARTS ARE NOT AVAILABLE FOR ORDERING. PART NUMBERS THAT DO NOT HAVE A LINE PRINTING INDICATE THAT PHYSICAL PARTS TO ASSURE AVAILABILITY OF PARTS. 3RD TYPE PART DRAWING	DELPHI DELPHI PAKKARD ELECTRONIC ARCHITECTURE KAPPAEN, OH COPYRIGHT 2013 DELPHI ELECTRONIC AND/OR ITS AFFILIATES. ALL RIGHTS RESERVED. THIS DRAWING IS THE PROPERTY OF DELPHI CORPORATION AND CONTAINS DELPHI CONFIDENTIAL INFORMATION. THE REPRODUCTION, DISTRIBUTION AND UTILIZATION OF THIS DOCUMENT OR ITS RELATED DATA, AS WELL AS COMMUNICATION OF ANY CONTENT TO OTHERS, WITHOUT EXPRESS AUTHORIZATION, IS PROHIBITED.
STYLE	DATE
VOLUME (OMP) DIST#	DR
UNLESS OTHERWISE SPECIFIED THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5M-1994 AS AMENDED BY THE 2018 ASME Y14.5M-1994 ADDENDUM-2018. SEE www.asme.org/standards FOR THE LATEST FEATURES MAY BE KNOWN SECONDARY REPRESENTATION OF DATUM REFERENCE.	APVD1 CARLOS DELGADILLO IIMR13 APVD2 J. S. ALVARADO IIMR13 APVD3 DANIEL A. BUCCINO IIMR13 APVD4 APVD5
ALL DIMENSIONS ARE IN MILLIMETERS	SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER DELPHI 15949201
REFERENCE	MATERIAL SEE CHART
THIRD ANGLE PROJECTION DO NOT SCALE USE MATH   	DRAWING NAME TAXI TERM M APEX 1.5
THIRD ANGLE PROJECTION DO NOT SCALE USE MATH   	DRAWING NUMBER 13678140 SIZE SCALE FRAME NO. SHEET NO. STG REV I/P