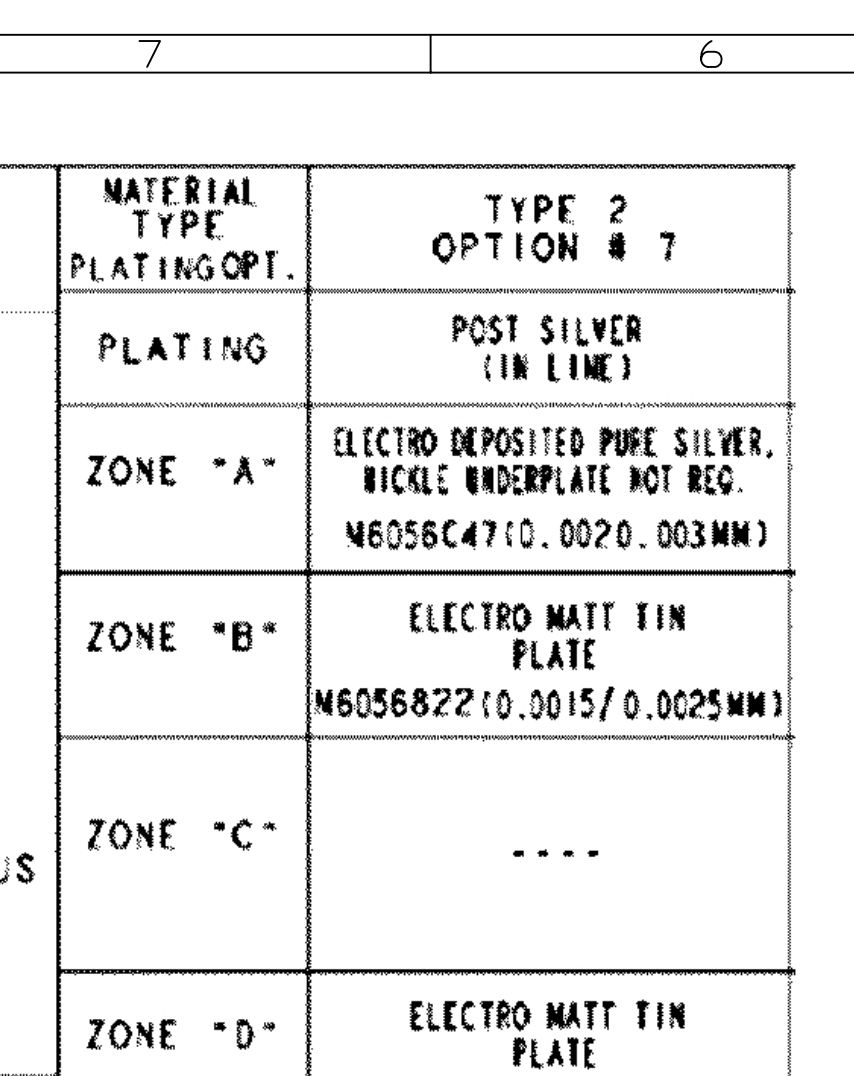


12		11		10		9		8		7		6		5	
CABLE A (SEAL C-1) (UNSEAL US)	WIRE SPEC ANG	WIRE SPEC ANG	WIRE SPEC METRIC	CONDUCTOR CRIMP HEIGHT (SECT C-1) (1+/-0.95)	CONDUCTOR CRIMP HEIGHT (SECT C-1) (1+/-0.95)	CONDUCTOR CRIMP HEIGHT (SECT C-1) (1+/-0.95)	INSULATION CRIMP HEIGHT (SECT D-0) (1+/-0.95)	INSULATION CRIMP HEIGHT (SECT D-0) (1+/-0.95)	INSULATION CRIMP W/TH (SECT D-0) (1+/-0.95)	INSULATION CRIMP PUNCH OPTION 1	INSULATION CRIMP PUNCH OPTION 2	INSUL GRIP FORM TYPE SECT D			
US 22		0.35		1.40	1.30	2.05	1.95	1.95	2.60						
CS 18		0.75/1.00		1.50	1.30/1.50		4.20*	4.15/4.20*	4.10*						
CS 20		0.50		1.30	1.25	2.45	4.05*	4.05							
US 18		0.75/1.00		1.50	1.30/1.50		2.35	2.35/2.45	2.80						
US 20		0.50		1.30	1.25		2.20	2.20							
CS 14		2.80/2.50		1.95	1.75/1.90		5.50*	5.40/5.50*	5.70*						
US 14		2.80/2.50		1.95	1.75/1.90	3.05	4.50/2.50*	4.50*							
US 16		1.50		1.80	1.70		3.20	3.10/3.25	3.60						
US 21/18/20/22		2.10 (0.40-3)		1.90	1.60/1.70	3.25	3.7-2.30	3.7-2.30*	4.30*						
CS 10/12/14		2.5		N/A	1.60	3.45	N/A	N/A	N/A						
US 10		5.00/6.50		2.20	2.40/2.60	3.50	5.30*	5.7/5.9*	5.80*						
US 12		5.00/6.50		2.45	2.40/2.60	3.85	5.30*	4.70	4.30						
US 12		4.00		2.20	2.30		4.20	4.35							

* NOT VERIFIED TO USCAR-21

STANDARD "B" FORM TOOLING DESIGN
CONDUCTOR CRIMP

Diagram showing the crimp structure with dimensions M, L, and E.

[illegible]

IMP WIDTH (CM) 1.50 (1 1/2 IN)

IMP WIDTH (CM) 1.50 (1 1/2 IN)

WORKING SURFACES MUST BE POLISHED ALL AROUND

(R0.13)

F(RAD) 2X

0.40/0.30/4.0° (10/8/100°) CHAMFER FORM (BOTH SIDES)

SEE DETAIL Y1

(R5.125X)

4.3

G

PUNCH

ANVIL

J(RAD)

3.0" 2X

K

N

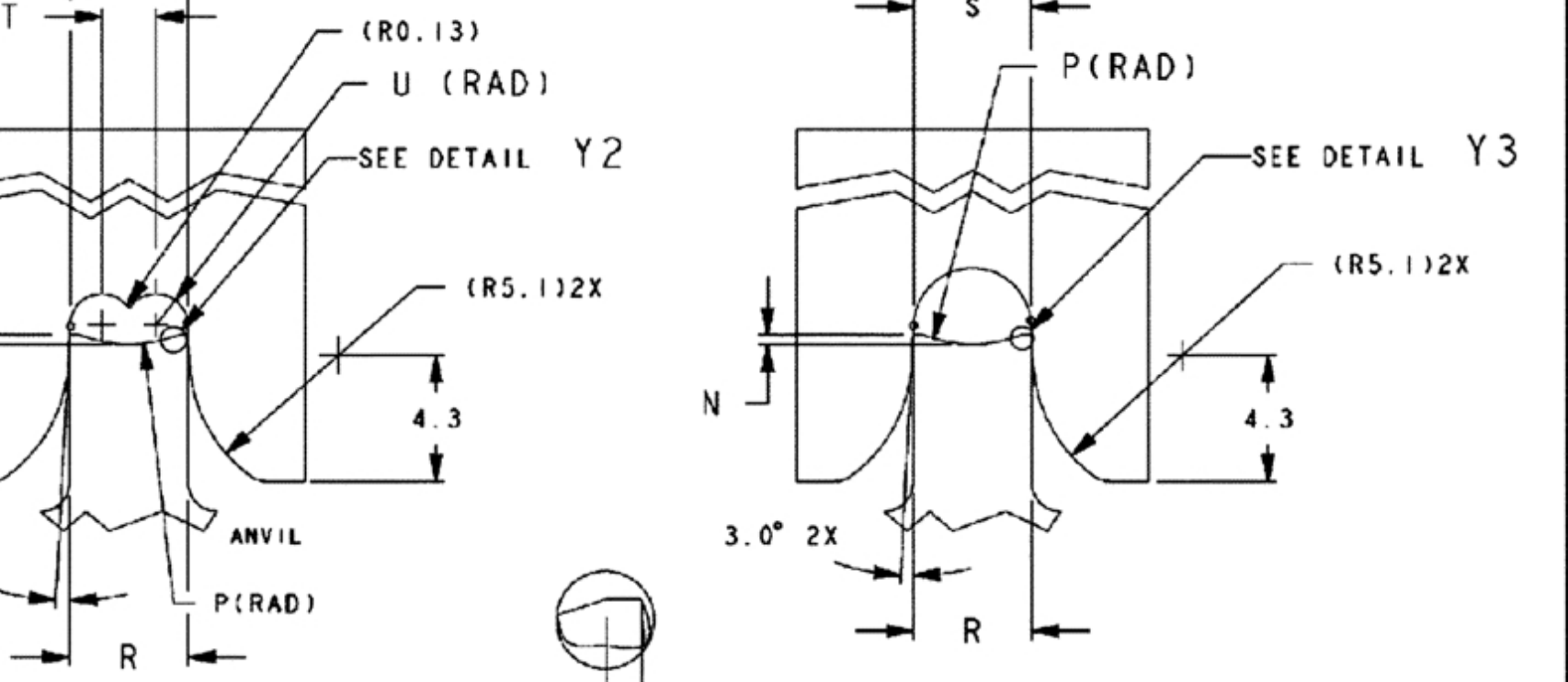
PUNCH

3.0" 2X

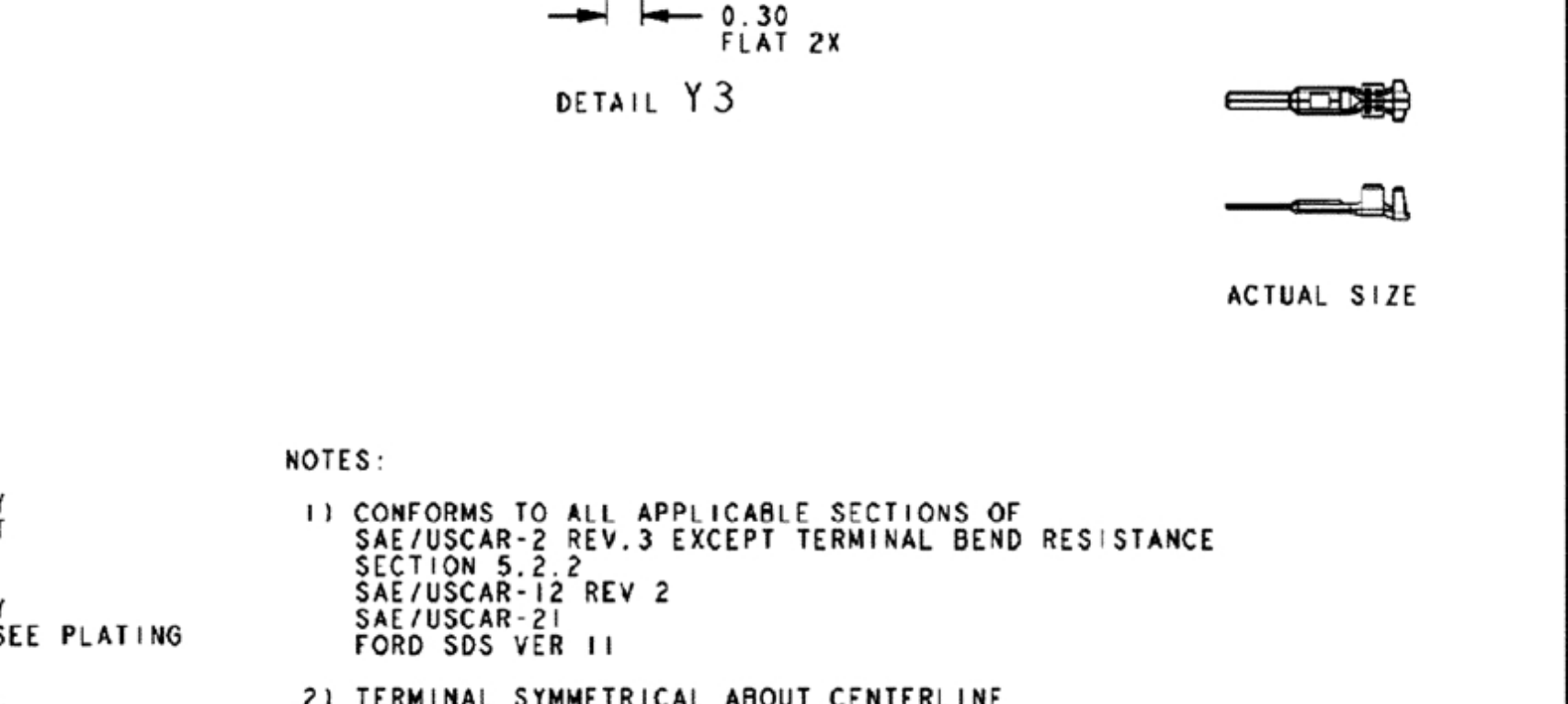
INSULATION CRIMP OPTION 2

SECTION C-C

SCALE 8:1



	0.0005MM MINIMUM
--	------------------

[illegible]

-	-	Y	35310916
-	-	Y	35270385
-	-	Y	35270386
54001001	T	N	10762774
54001001RWA	T	N	15540841
54001001RWC	T	N	15512726
54001020	T	N	15512730
-	-	N	23400512
54001027	T	Y	15516298
54001027RWA	T	Y	

01	-	M6565.J00	5	
01	AB	M6565.J00	5	
01	AB	M6565.J00	5	
03	AH	M6565.J00	5	
01	AA	10762774	-	
01	AB	10762774	-	
01	AE	155119823	3	
01	AE	33511843	7	
01	AB	M6565.J00	5	
01	AA	15516209		

(5)

(12) 2.86
2.86
Φ 0.1050 IASG

(13) 13.50

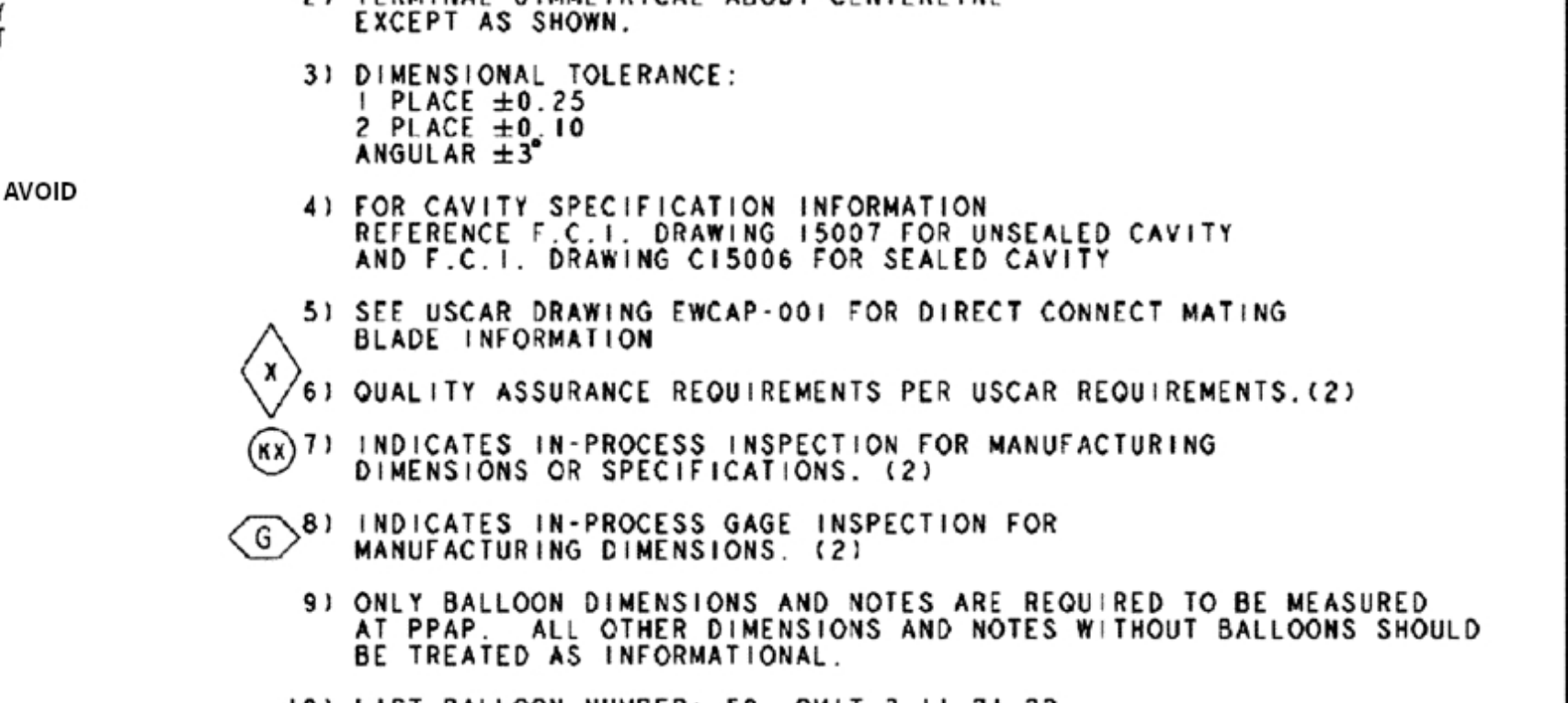
(9) (2.00)

PRECIOUS PLATING NOTES:

TIN AND NICKEL OVERLAP IS NECESSARY TO EXPOSURE OF BASE METAL PARTS TO BE SHIPPED TO THE PLATER ON REELS IN STRIP FORM.

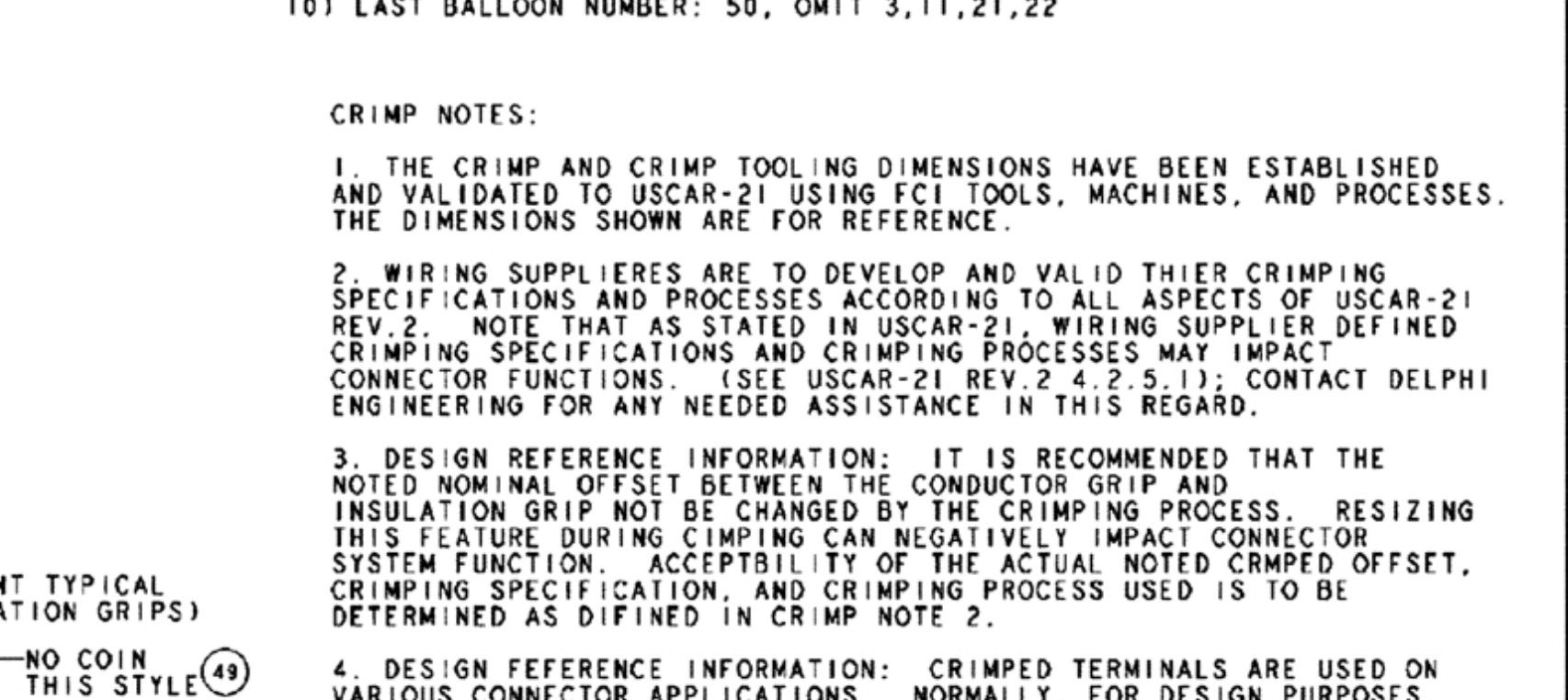
(10) (V)

(11) (W)



54001021RWA	-	Y	33400513
F808800	T	Y	15509074
F808900RWA	T	Y	15512734
-	-	N	33400514
-	-	N	33400515
540011441	T	N	13691974
540011441RWC	T	N	15522351
540011401	T	N	10757692
540011401RWA	T	N	15524503
540011401RWC	T	N	13699990
54001301	T	N	10757693
54001301RWA	T	N	15524504
-	-	N	33400516
F875200	T	N	15509076

01	AR	13518298	
01	AD	33511844	7
01	AC	M6565J00	5
01	AC	15509074	-
01	AD	33511841	7
01	AD	33511842	4
01	AC	15519825	3
01	AC	13681974	-
03	AG	M6565J00	5
01	AB	10757692	-
01	AB	10757692	-
03	AB	M6565J00	5
01	AB	10757693	-
01	AD	33511840	7
01	AC	15520221	4

[illegible]

54001819	T	N	15425613
54001819RWA	T	N	15512733
54001819RWC	T	N	15513652
54001818	T	N	15435215
54001818RWA	T	N	15516296
54001818RWC	T	N	13971791
54001804	T	N	13805590
54001804RWA	T	N	15512732
54001804RWC	T	N	15516297
54001801	T	N	10762775
54001801RWA	T	N	15516294
54001801RWC	T	N	13751022
F975200	T	N	15520416
54002230	T	N	33501642

02	AC	15519829	2
01	AC	15425613	-
01	AC	15425613	-
01	AC	15519827	3
01	AC	15435215	-
01	AC	15435215	-
01	AC	15519824	1
01	AC	13805590	-
01	AC	13805590	-
03	AB	M6565J00	5
01	AB	10762775	-
01	AB	10762775	-
01	AD	15520917	4
01	AC	33511839	3

The image contains two technical drawings of electrical components.

SECTION C-C INSULATION GRIP SINGLE WIRE

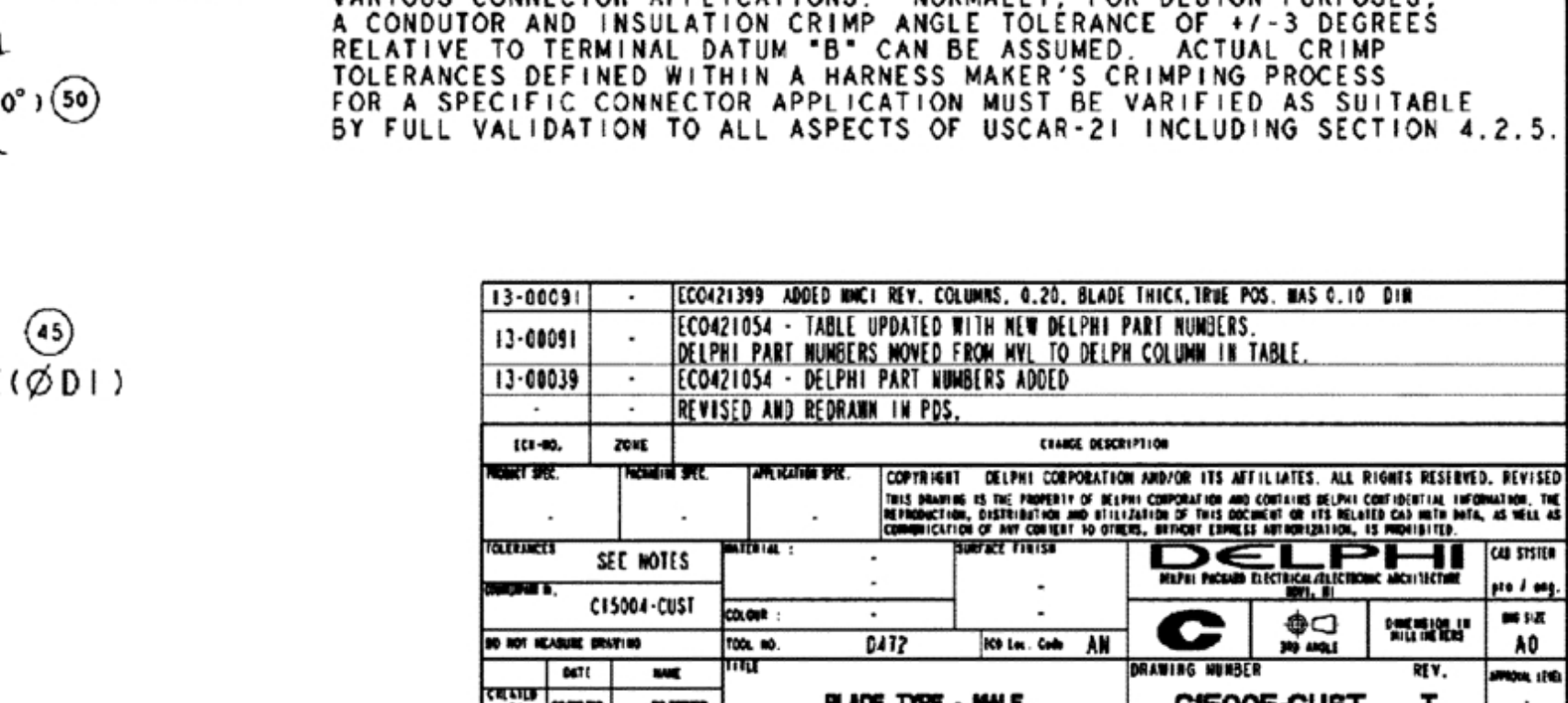
This drawing shows a cross-section of a single wire with a V-shaped insulation grip. Key dimensions and labels include:

- Top Left:** 0.250 (D1) A109 (14)
- Top Center:** 0.25 (D1), 0.15 TYP (ALL GRIPS), 20° REF. TIP (ALL GRIPS) (C11), (C12)
- Top Right:** 0.125 (D2) 0.068 (A109)
- Center:** 0.30 MAX. DISALIGNMENT (ALL GRIPS), (D1), (D2)
- Bottom:** SECTION C-C, INSULATION GRIP SINGLE WIRE

SECTION C-C INSULATION GRIP CABLE SEAL

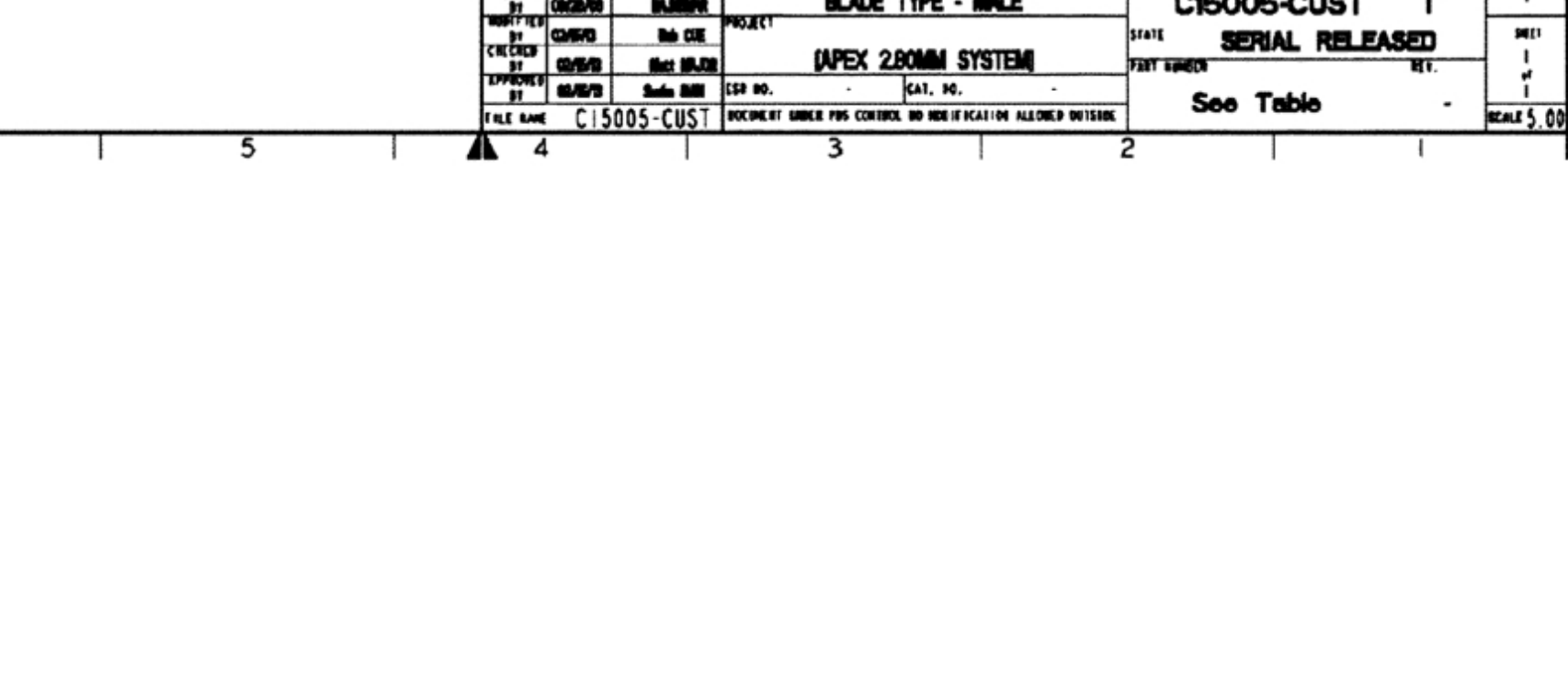
This drawing shows a cross-section of a cable seal with a V-shaped insulation grip. Key dimensions and labels include:

- Top Left:** 0.250 (D1) A109 (14)
- Top Center:** 0.25 (D1), 0.15 TYP (ALL GRIPS), 20° REF. TIP (ALL GRIPS) (C11), (C12)
- Top Right:** 0.125 (D2) 0.068 (A109)
- Center:** 0.30 MAX. DISALIGNMENT (ALL GRIPS), (D1), (D2)
- Bottom:** SECTION C-C, INSULATION GRIP CABLE SEAL



54002230RWA	T	N	15512731
54002239	T	N	15520890
54002201	T	N	10762776
54002201RWA	T	N	15512725
54002201RWC	T	N	13969981
PART NUMBER	REV	SEALED	PART NUMBER
MVL			

01	AC	33501642	-	
01	AD	15520918	2	
03	AG	M6565J00	5	
01	AB	10762776	-	
01	AD	10762776	-	
REV	N/P	MAT'L SPEC	PLATING PROCESS OPTION	
PLATED				
APTIV				



NOTES

1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE AUTOMATICALLY IN INCHES. (SEE MATH MANUAL FOR OTHER DIMENSIONS.) BUILD, SEE MATH.

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.

TOLERANCE 1
OTHERWISE

	DECIMAL:
	TWO PLACE:
	THREE PLACE:

THIS DRAWING THROUGHOUT THIS SUBMITTAL INDICATES THAT PHYSICAL ITEMS ARE NOT AVAILABLE FOR ORIGINATING. THAT DRAWINGS ARE NOT HAVE A LINE PRESENT INDICATE THAT PHYSICAL PARTS TO ACQUIRE AVAILABILITY. CONTACT ADVISE SALES TO ACQUIRE AVAILABILITY.	•APTIV• CONNECTION SYSTEMS WAFER IN COPYRIGHT 2013 APTIV, ALL RIGHTS RESERVED. THIS DRAWING IS THE PROPERTY OF APTIV AND CONTAINING APTIV CONFIDENTIAL INFORMATION. THE INFORMATION, THE REPRODUCTION, OR UTILIZATION OF THIS DRAWING WITHOUT THE WRITTEN PERMISSION WILL BE CONSIDERED A VIOLATION OF APTIV'S POLICY. ANY UNAUTHORIZED REPRODUCTION OR COMMUNICATION OF ANY CONTENT TO OTHERS, WITHOUT THE WRITTEN PERMISSION, IS PROHIBITED.
DATE: _____ PART DRAWING	DATE: _____
STYLE: _____	DATE: _____
VOLUME: _____ ORDER CODE: _____	FOR: _____
UNLESS OTHERWISE SPECIFIED THIS DRAWING IS IN ACCORDANCE WITH ISA-90:1994 AS AMENDED BY THE ISO 9001:2008 AND ISO 9001:2015 TOLERANCES AND DIMENSIONS SHALL BE SEPARATELY SPECIFIED DIMENSIONS SHALL BE SEPARATELY SPECIFIED DIMENSIONS SHALL BE SEPARATELY SPECIFIED	APPROVED: JAVIER ESQUEVEL 14MR13 APPROVED: J. S. ALVARGADO 14MR13 APPROVED: GERARDO GOMEZ 14MR13 APPROVED: _____
ALL DIMENSIONS ARE IN MILLIMETERS	SUBSTANCES IF CONCERN ARE RECYCLED (CONTENT PER APTIV COMPANY)
REFERENCE: _____	GRATING NUMBER: _____
THIRD ANGLE PROJECTION	TAXI TERM M APEX 2.8 SN
DO NOT SCALE	10819199
USE MATH DATA	Size NONE FRAME NO SHEET NO TOTAL SHEETS 1 x 1 1 1 OF 2 1 OF 1 13 OF 13

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