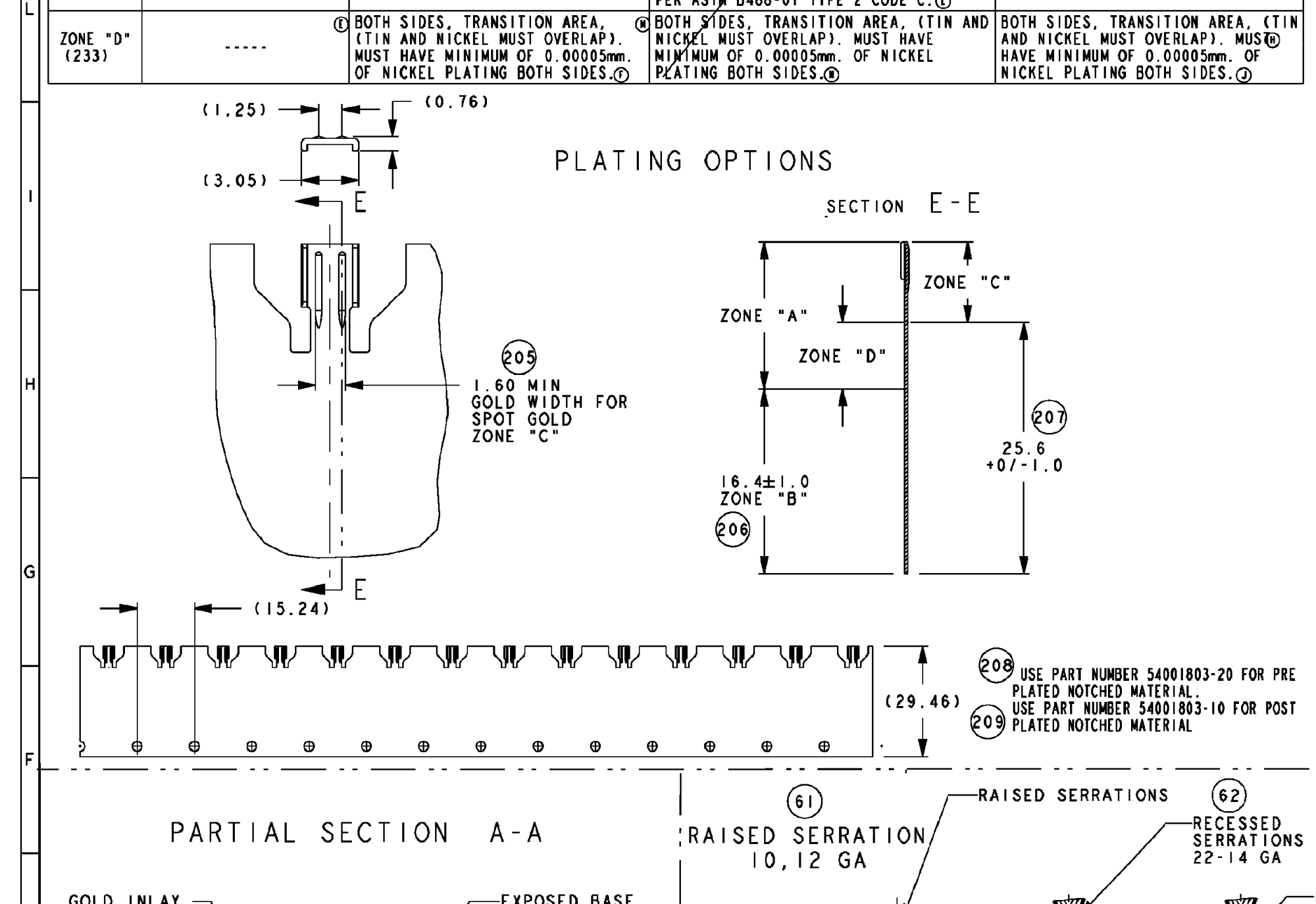
WIRE SIZE AWG	WIRE SIZE METRIC	INSULATION DIAMETER REF.	UNSEALED NOT GREASED	SEALED NOT GREASED	UNSEALED GREASED SEE CHART	UNSEALED GREASED SEE CHART	SEALED GREASED SEE CHART	GAGE STAMP	A ±0.3	B ±0.3	(C1) DIA	C2 ±0.3	(D1) DIA	D2 ±0.3	(J)	(K)	L	(V)	(W)	TYPE OF GRIP
10/12	4.0/6.0	4.3/3.0		~~35170944 6,4~~				10AG	5.2	7.2	2.64	3.5	5.00	6.0	---	---	1.10	19.5	8.0	SEALED
				~~F194400 5,4~~				10GS												
				~~54001010 3,4~~				10AU												
				~~54001008 1,2~~			~~35270378 1,2~~	10												
			~~F984400 5,4~~			~~F094400 5,4~~		10GS		6.5	2.3	3.2	3.2	4.0			0.80	19.0	7.5	UNSEALED
			54001003 3,4			~~54001025 3,4~~		10AU												
			33370369 6,4					10AG												
			54001000 1,2		54001002 1,2	54001019 1,2		10												
12	3.0	3.4/3.0		~~35170946 6,4~~				12AG	5.2	6.6	2.30	3.2	4.30	5.2	---	---	1.10	19.5	8.0	SEALED
				~~F494400 5,4~~				12GS												
				~~54001206 3,4~~				12AU												
				54001202 1,2			~~54001205 1,2~~	12												
			~~F294400 5,4~~			~~F394400 5,4~~		12GS		5.2			3.00	3.8			0.40	19.0	7.5	UNSEALED
			54001210 3,4			~~54001228 3,4~~		12AU												
			54001208 1,2		54001209 1,2	~~54001229 1,2~~		12												
14/16	2.5/1.5	2.8/2.1		~~F894400 5,4~~				14GS	3.8	6.1	1.45	2.3	3.80	4.6	---	---	0.80	19.5	8.0	SEALED
				F820310 6,4				14AG												
				54001410 3,4				14AU												
				54001404 1,2			~~54001409 1,2~~	14												
			~~F694400 5,4~~			~~F794400 5,4~~		14GS		4.7			2.25	3.2			0.40	19.0	7.5	UNSEALED
			~~35229817 6,4~~					14AG												
			54001403 5,4			~~54001444 3,4~~		14AU												
			54001400 1,2		54001402 1,2	54001440 1,2		14												
			•~~35116919 1,2~~					14												
18/20	1.0/0.5	2.2/1.4		~~F105400 5,4~~				18GS	3.0	5.1	1.00	1.9	3.00	3.7	---	---	0.60	19.5	8.0	SEALED
				F920310 6,4				18AG												
				54001811 3,4				18AU												
				54001807 1,2			~~54001810 1,2~~	18												
			~~F994400 5,4~~			~~F005400 5,4~~		18GS		3.8			1.75	2.7			0.00	19.0	7.5	UNSEALED
			54001803 3,4			54001875 3,4		18AU												
			54001800 1,2		54001802 1,2	54001865 1,2		18												
2 (18/20)	2 (1.0/0.5)	2.2/1.4 PER WIRE	~~F594400 5,4~~					13GS	4.6	6.6	1.50	3.7	2.55	6.0	2.55	1.30	0.60	19.0	7.5	UNSEALED
			~~54001303 3,4~~					13AU												
			54001300 1,2		~~54001302 1,2~~	~~54001313 1,2~~		13												
22	0.35	1.8/1.2		~~35170959 6,4~~				22AG	2.6	5.9	0.76	1.7	3.4	4.2	---	---	0.60	19.5	8.0	SEALED
				~~F405400 5,4~~																
			---	~~54002210 3,4~~				22AU												
				~~54002208 1,2~~			~~54002209 1,2~~	22												
			~~F205400 5,4~~			~~F305400 5,4~~		22GS		3.2			1.40	2.5			0.00	19.0	7.5	UNSEALED
			~~54002203 3,4~~			~~54002262 3,4~~		22AU												
			54002200 1,2	---	54002202 1,2	~~54002256 1,2~~		22												

1. FIRST SUFFIX NUMBER AFTER THE PART NUMBER IS THE MATERIAL TYPE FOR THE TERMINAL BODY
2. SECOND NUMBER AFTER THE PART NUMBER IS THE SPRING MATERIAL TYPE.
3. LINE THRU THE PART NUMBER INDICATES IT IS NOT AVAILABLE FOR PRODUCTION.

MATERIAL TYPE	BODY: TYPE 1 SPRING: TYPE 2	BODY: TYPE 3 SPRING: TYPE 4	BODY: TYPE 5 SPRING: TYPE 4	BODY: TYPE 6 SPRING: TYPE 4
PLATING	TIN (200)	GOLD INLAY (201)	GOLD SPOT, STRIPE (202)	SILVER STRIPE, SPOT (203)
PRE-NOTCH (204) STRIP?	NO	NO	YES	NO
ZONE "A" (230)	HOT TIN DIP Ⓐ 0.0005mm-0.0025mm	BOTH SIDES: SULFAMATE DUCTILE NICKEL 0.00005mm MIN Ⓐ PER ASTM B689 TYPE 2.Ⓑ	BOTH SIDES: SULFAMATE DUCTILE NICKEL 0.00005mm MIN PER ASTM B689 TYPE 2. Ⓐ Ⓑ	BOTH SIDES: SULFAMATE DUCTILE NICKEL 0.00005mm MIN PER ASTM ⒸB689 TYPE 2Ⓑ
ZONE "B" (231)	HOT TIN DIP Ⓑ 0.0005mm-0.0025mm NO NICKEL IN THIS AREA	BOTH SIDES 100% ELECTROMATTE TIN, Ⓐ0.00254-0.0038mm, PER ASTM B545, NO NICKEL IN THIS AREA Ⓒ	BOTH SIDES 100% ELECTROMATTE TIN,Ⓒ Ⓓ0.00254-0.0038mm, PER ASTM B545, NO NICKEL IN THIS AREAⒺ	BOTH SIDES 100% ELECTROMATTE TIN, Ⓓ0.00254-0.0038mm, PER ASTM B545, NO NICKEL IN THIS AREAⒺ
ZONE "C" (232)	-----	SEE GOLD INLAY VIEW BELOW FOR INLAY DETAILS	Ⓗ RAISED RIB SIDE ONLY: SULFAMATE DUCTILE NICKEL, STRIPE PLATEⒻ Ⓖ 0.0013-0.0025mm PER ASTM B689 TYPE 2. UNDER 99.0% PURE HARD GOLD CAPⒿ SPOT PLATE 0.00076mm MINⓀ PER ASTM B488-01 TYPE 2 CODE C.Ⓛ	ELECTRO DEPOSITED PURE SILVER,Ⓕ 0.002-0.003mm TARNABAN-51 Ⓖ OVER SILVER, NICKEL UNDER SILVER IS OPTIONAL.
ZONE "D" (233)	-----	Ⓔ BOTH SIDES, TRANSITION AREA, (TIN AND NICKEL MUST OVERLAP). MUST HAVE MINIMUM OF 0.00005mm. OF NICKEL PLATING BOTH SIDES.Ⓕ	Ⓚ BOTH SIDES, TRANSITION AREA, (TIN AND NICKEL MUST OVERLAP). MUST HAVE MINIMUM OF 0.00005mm. OF NICKEL PLATING BOTH SIDES.Ⓛ	BOTH SIDES, TRANSITION AREA, (TIN AND NICKEL MUST OVERLAP). MUSTⒽ HAVE MINIMUM OF 0.00005mm. OF NICKEL PLATING BOTH SIDES.Ⓙ

PLATING OPTIONS


(1.25)
(0.76)
(3.05)
E
SECTION E-E
ZONE "A"
ZONE "C"
ZONE "D"
205
1.60 MIN GOLD WIDTH FOR SPOT GOLD ZONE "C"
207
25.6 +0/-1.0
16.4±1.0 ZONE "B"
206
(15.24)
(29.46)
208 USE PART NUMBER 54001803-20 FOR PRE PLATED NOTCHED MATERIAL.
USE PART NUMBER 54001803-10 FOR POST
209 PLATED NOTCHED MATERIAL

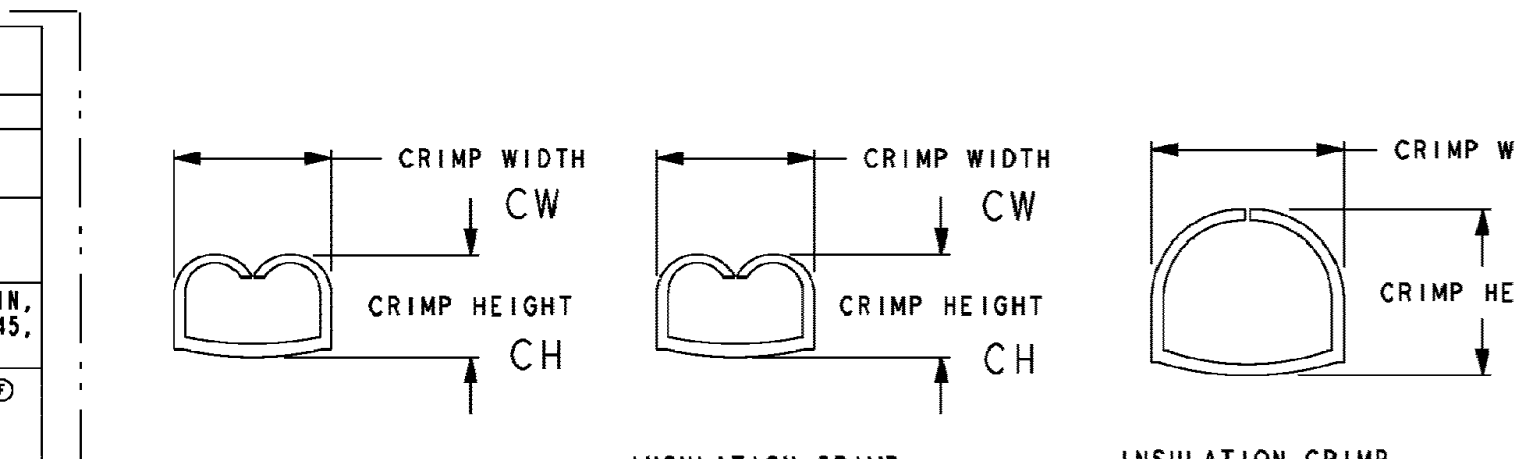
CABLE • SEAL (CS) UNSEALED (US)	WIRE SIZE AWG	WIRE SPEC. AWG	WIRE SIZE METRIC	WIRE SPEC METRIC	CONDUCTOR CRIMP HEIGHT AWG (SECT C-C) (+/-0.05)	CONDUCTOR CRIMP HEIGHT METRIC (SECT C-C) (+/-0.05)	CONDUCTOR CRIMP WIDTH (SECT C-C) (+/-0.10)	INSULATION CRIMP HEIGHT AWG (SECT D-D) (+/-0.05)	INSULATION CRIMP HEIGHT METRIC (SECT D-D) (+/-0.05)	INSULATION CRIMP WIDTH (SECT D-D) (+/-0.10)	INSULATION CRIMP PUNCH OPTION	INSL. GRIP FORM TYPE SECD-D
US	22	ESB-MIL123-A MS-8288	0.35	FLRY A-B ISO-6722	1.10	1.10	1.85	1.75	1.65	2.60	OPTION 2	2
CS	18		0.75/1.00		1.30	1.30/1.40	2.05	4.00	2.10	3.30		2
	20		0.50		1.20	1.25		3.85	2.00			2
US	18		0.75/1.00		1.30	1.30/1.40		2.35	2.10/2.30	2.60		2
	20		0.50		1.20	1.25		2.20	2.00			2
CS	14		2.00/2.50		1.70	1.80•/1.90	2.45	4.40	4.10/4.25	4.40		2
	16		1.50		1.50	1.40•		4.25	4.05•/4.15•			2
US	14		2.00/2.50		1.70	1.80•/1.90		2.70	3.00•/3.10	3.20		2
	16		1.50		1.50	1.40•		2.60	2.55•/2.65			2
US	2(18-20)		2(.50/1.00)		VARIABLE	VARIABLE	3.05	VARIABLE	VARIABLE	4.30	OPTION 1	1
CS	12		3.00		1.95	1.95	3.45	4.80•	4.40•	4.80•	OPTION 2	2
US	12		3.00					3.10	3.30	3.85		2
CS	10		5.00/6.00		2.25	2.40•/2.50•	3.45	N/A	N/A	N/A		2
	12		4.00		1.95	2.05		N/A	N/A			2
US	10		5.00/6.00		2.25	2.40•/2.50•		4.20	4.30	4.20	OPTION 1	1
	12		4.00		1.95	2.05		USE 12 GA TERMINAL	3.90			2

• NOT VERIFIED TO USCAR-21

FOR REFERENCE ONLY, ASSEMBLY PLANT MUST VERIFY TO CUSTOMER REQUIREMENTS

CRIMP WIDTH	CORE/ INSULATION	INSULATION CRIMP OPTION	E ±0.03	F ±0.03	G ±0.03	J ±0.03	K ±0.03	L ±0.03 OFFSET BETWEEN ANVILS	M ±0.03	N ±0.03	P ±0.03	R ±0.03	S ±0.03	T ±0.03	U ±0.03
1.85	CONDUCTOR	---	0.83	0.48	0.11	2.31	1.79	---	1.78	---	---	---	---	---	---
2.05	CONDUCTOR	---	0.92	0.53	0.12	2.56	1.99	---	1.97	---	---	---	---	---	---
2.45	CONDUCTOR	---	1.09	0.63	0.16	3.06	2.38	---	2.36	---	---	---	---	---	---
2.60	INSULATION	2	---	---	---	---	---	0.00	---	0.18	3.25	2.53	2.50	N/A	N/A
3.05	CONDUCTOR	---	1.36	0.79	0.22	3.81	2.96	---	---	---	---	---	---	---	---
3.20	INSULATION	2	---	---	---	---	---	0.40	---	0.23	4.00	3.11	3.08	N/A	N/A
3.30	INSULATION	2	---	---	---	---	---	0.60	---	0.24	4.12	3.20	3.17	N/A	N/A
3.45	CONDUCTOR	---	1.54	0.89	0.26	4.31	3.35	---	3.32	---	---	---	---	---	---
3.85	INSULATION	2	---	---	---	---	---	0.80	---	0.30	4.81	3.74	3.70	---	---
4.40	INSULATION	2	---	---	---	---	---	0.80	---	0.35	5.50	4.27	4.23	---	---
4.20	INSULATION	1	---	---	---	---	---	0.80	4.04	0.33	5.25	4.08	4.04	1.87	1.08
4.80	INSULATION	2	---	---	---	---	---	1.10	---	0.38	5.10	4.70	4.64	---	---
4.30	INSULATION	1	---	---	---	---	---	0.60	---	0.34	5.38	4.17	4.13	1.92	1.11

ACTUAL SIZE

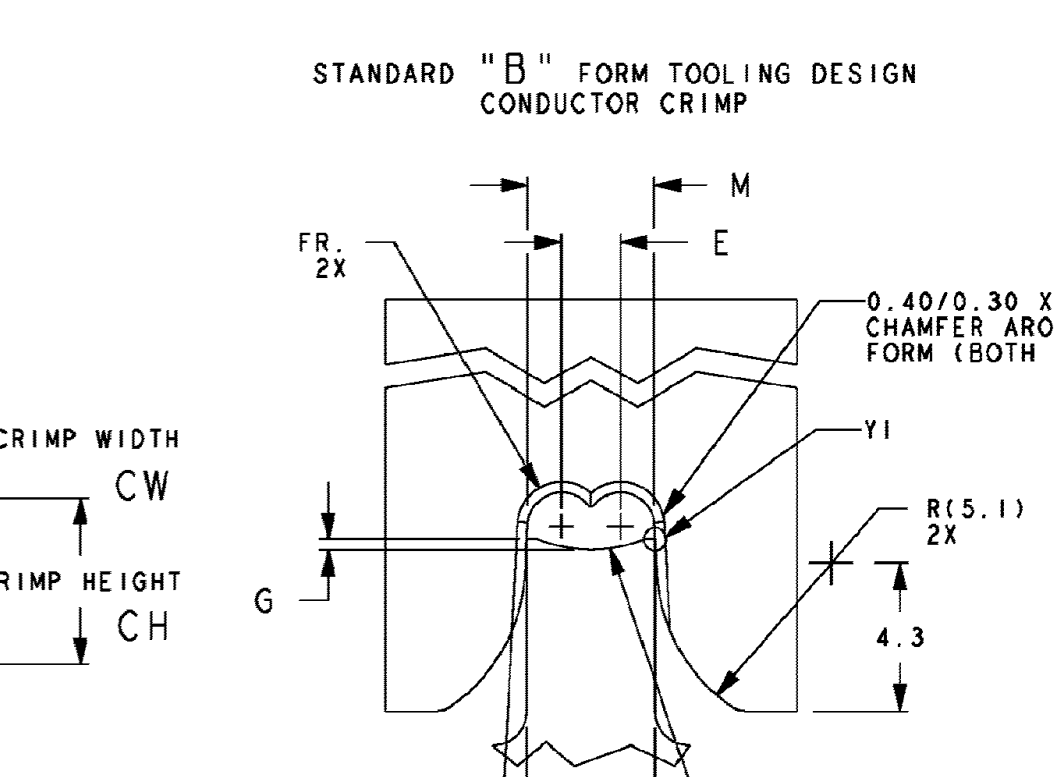


CONDUCTOR CRIMP SECTION C-C

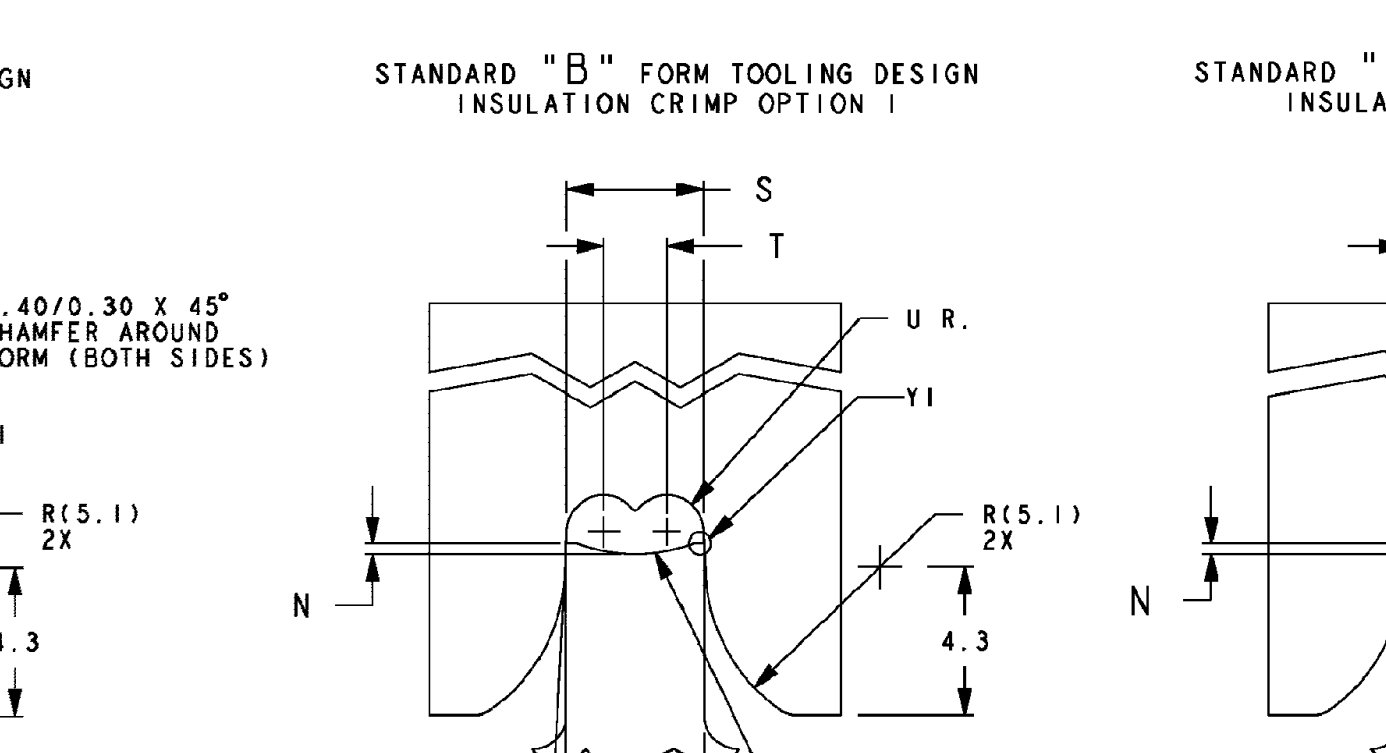
INSULATION CRIMP OPTION 1 SECTION D-D

INSULATION CRIMP OPTION 2 SECTION D-D

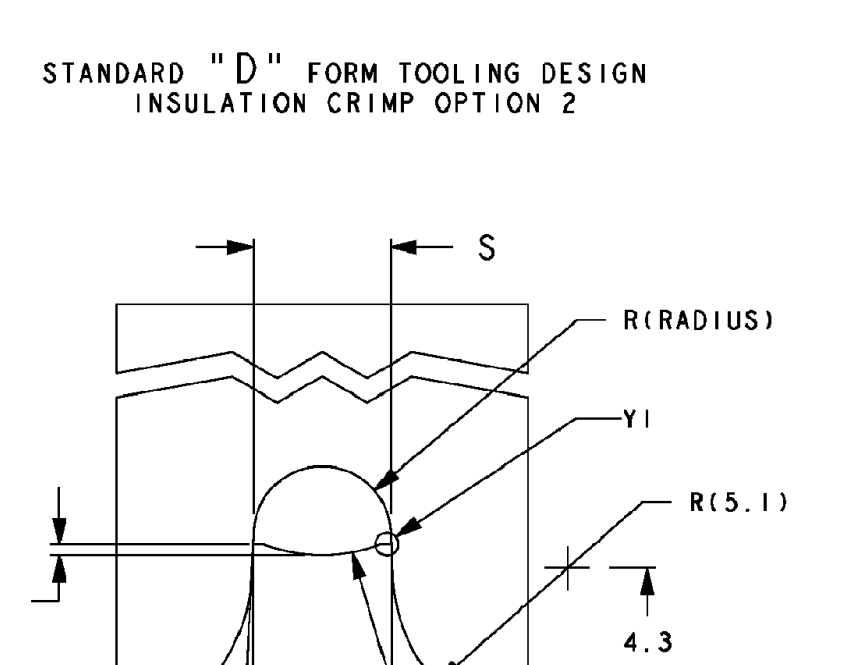
STANDARD "B" FORM TOOLING DESIGN CONDUCTOR CRIMP

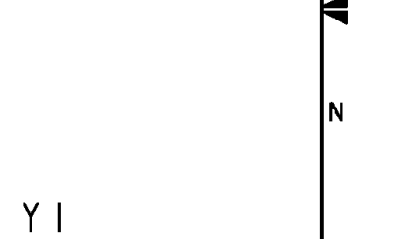


STANDARD "B" FORM TOOLING DESIGN INSULATION CRIMP OPTION 1

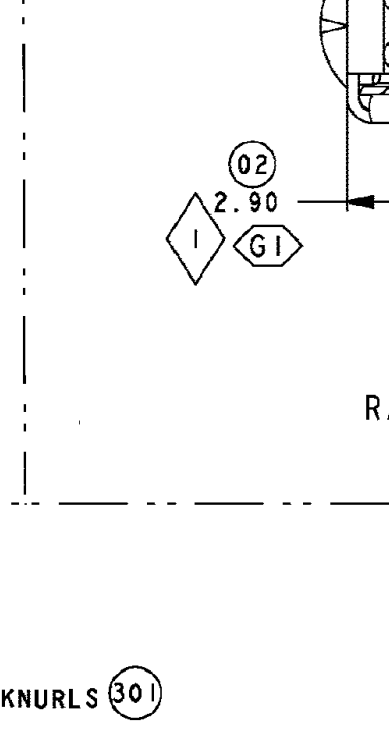


STANDARD "D" FORM TOOLING DESIGN INSULATION CRIMP OPTION 2

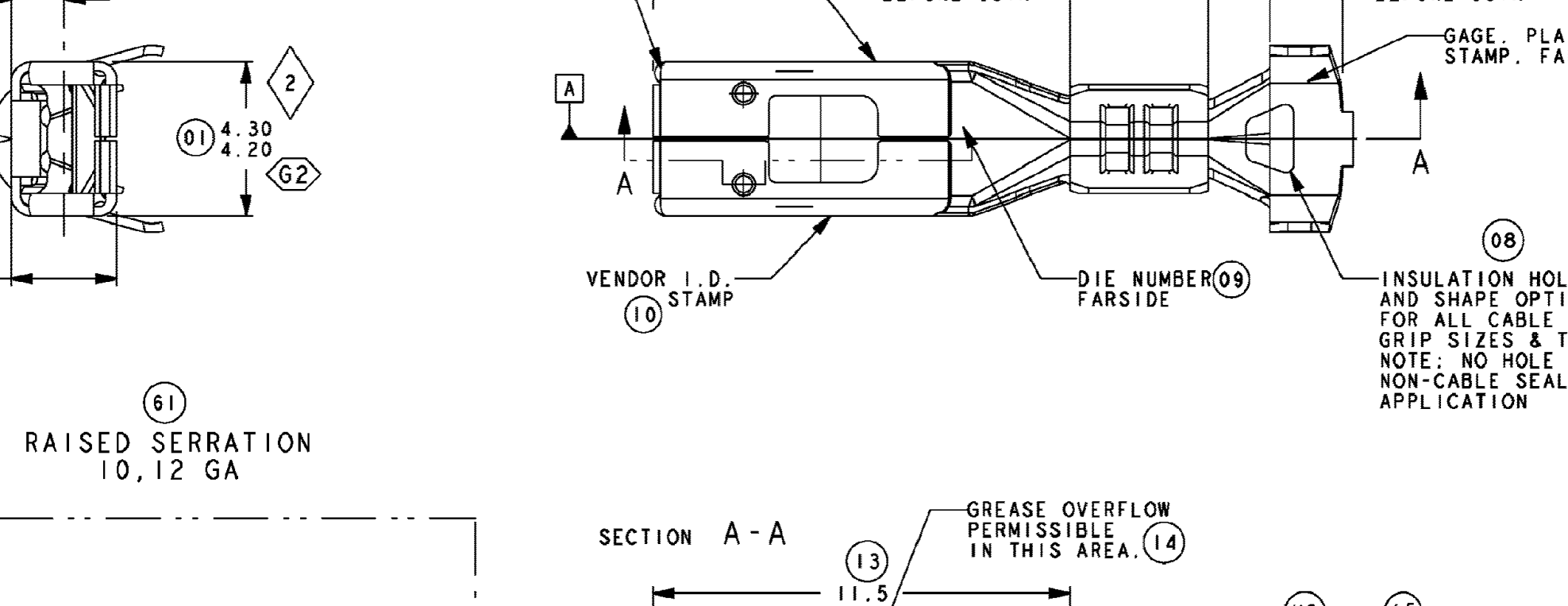




CRIMP TOOL INFORMATION (REF. ONLY)



(61) RAISED SERRATION 10,12 GA


(K1) (03)
CORNER SEAM ON TOP, BOTH SIDES MUST BE CLOSED.
(04) WEEK CODE STAMP
(V)
(W)
(05) 3.8 BEFORE COIN
(06) 2.0 BEFORE COIN
GAGE. PLATING STAMP. FARSIDE (07)
A
A
A
VENDOR I.D. STAMP (10)
DIE NUMBER (09) FARSIDE
(08) INSULATION HOLE SIZE AND SHAPE OPTIONAL FOR ALL CABLE SEAL GRIP SIZES & TYPES NOTE: NO HOLE ON NON-CABLE SEAL APPLICATION

NOTES:

1) CONFORMS TO ALL APPLICABLE SECTIONS OF SAE/USCAR-2 REV.3 EXCEPT TERMINAL BEND RESISTANCE SECTION 5.2.2
SAE/USCAR-12 REV 2
SAE/USCAR-21
FORD SDS VER 11

2) TERMINAL SYMMETRICAL ABOUT CENTERLINE EXCEPT AS SHOWN.

3) DIMENSIONAL TOLERANCE:
1 PLACE ±0.25
2 PLACE ±0.10
ANGULAR ±3°

4) FOR CAVITY SPECIFICATION INFORMATION REFERENCE F.C.I. DRAWING 15001 FOR UNSEALED CAVITY AND F.C.I. DRAWING C15006 FOR SEALED CAVITY

5) SEE USCAR DRAWING EWCAP-001 FOR DIRECT CONNECT MATING BLADE INFORMATION

6) ANNUAL QUALITY REQUIREMENTS: IT IS PERMISSIBLE TO PERFORM CONTINUOUS CONFORMANCE PER FCI SPECIFICATION #AQA-001 INSTEAD OF ANNUAL LAYOUT & ANNUAL PV REQUIREMENTS OF QS-9000 SECTION 2
- CURRENT PRODUCTION TOOLING
- POINT OF LAST RUN.

X 7) QUALITY ASSURANCE REQUIREMENTS PER DCA PS-7300:(2)

KX 8) INDICATES IN-PROCESS INSPECTION FOR MANUFACTURING DIMENSIONS OR SPECIFICATIONS. (3)

G 9) INDICATES IN-PROCESS GAGE INSPECTION FOR MANUFACTURING DIMENSIONS. (2)

NOTES:

MATERIALS:

SUFFIX NUMBER AFTER PART NUMBER IN THE CHARTS INDICATE THE BODY MATERIAL, AND SPRING MATERIAL.

(100) MATERIAL TYPE 1: C14530 CU TO ASTM B-152 THICKNESS 0.305 ± 0.008 (101A)
(100B) TENSILE STRENGTH: 372 - 442 Mpa (101B)
MIN. ELONGATION: 2.5% IN 51mm (101C)
TIN PLATED, SEE PLATING CHART FOR INFORMATION

(101) MATERIAL TYPE 2: C17410 BE CU TO ASTM B-768 THICKNESS 0.203 ± 0.008 (101A)
(101B) TENSILE STRENGTH: 758-897 Mpa
YIELD STRENGTH: 655-862 Mpa (101C)
(101D) MIN. ELONGATION: 7% IN 51mm
TIN PLATED,100% HOT TIN DIP 0.0005mm - 0.0025 mm (101E)

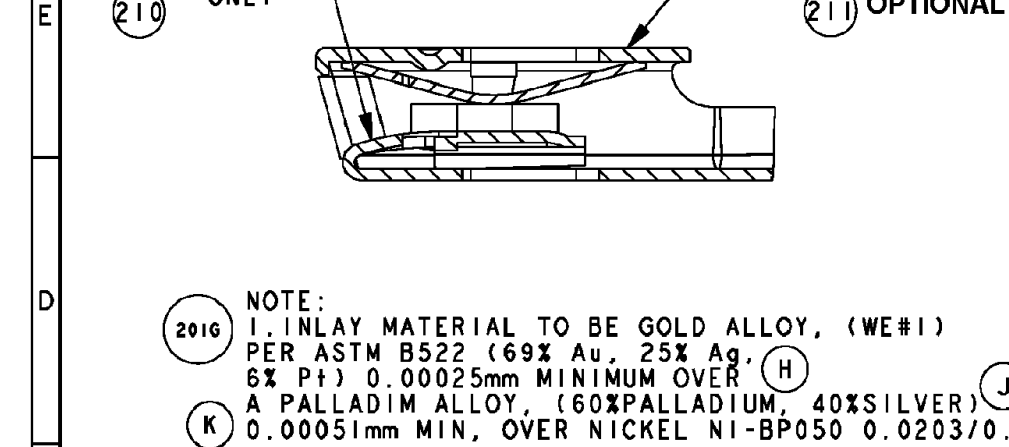
(102) MATERIAL TYPE 3: C14530 CU TO ASTM B-152 THICKNESS 0.305 ± 0.008 (102A)
(102B) TENSILE STRENGTH: 324 - 394 Mpa
MIN. ELONGATION: 2.5% IN 51mm (102C)
SEE SPECIAL PLATING SECTION FOR GOLD INLAY SPECIFICATIONS.

(103) MATERIAL TYPE 4: C17410 BE CU TO ASTM B-768 THICKNESS 0.203 ± 0.008 (103A)
(103B) TENSILE STRENGTH: 758-897 Mpa
YIELD STRENGTH: 655-862 Mpa (103C)
(103D) MIN. ELONGATION: 7% IN 51mm
NICKEL PLATED, SULFAMATE DUCTILE NICKEL 0.0013mm - 0.0025mm (103E) TO ASTM B-689 TYPE 2 (103F)

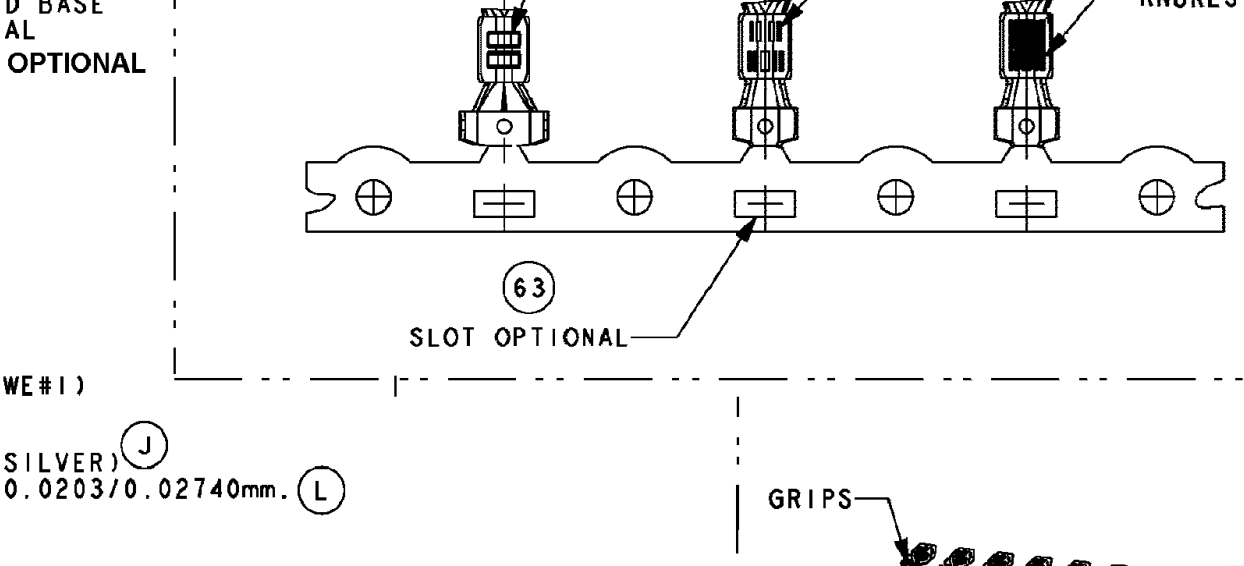
(104) MATERIAL TYPE 5: C14530 CU TO ASTM B-152 THICKNESS 0.305 ± 0.008 (104A)
(104B) TENSILE STRENGTH: 324 - 394 Mpa
MIN. ELONGATION: 2.5% IN 51mm (104C)
SEE SPECIAL PLATING SECTION FOR SPOT GOLD SPECIFICATIONS.

(105) MATERIAL TYPE 6: C14530 CU TO ASTM B-152 THICKNESS 0.305 ± 0.008 (105A)
(105B) TENSILE STRENGTH: 324 - 394 Mpa
MIN. ELONGATION: 2.5% IN 51mm (105C)
SEE SPECIAL PLATING SECTION FOR SILVER STRIPE SPECIFICATIONS.

PARTIAL SECTION A-A



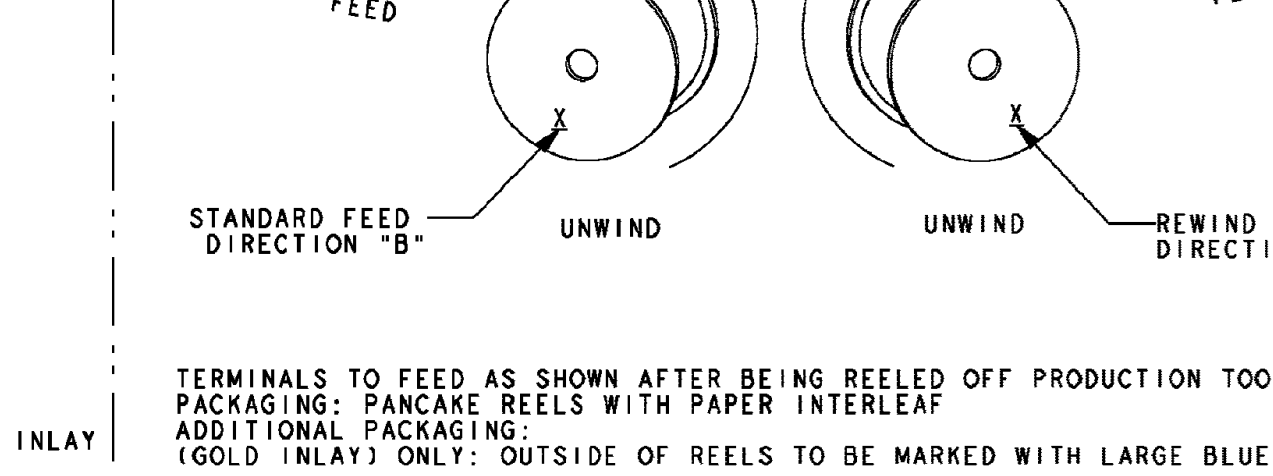
(61) RAISED SERRATION 10,12 GA



			(64)	(302)
		10/12	2	
		12	2	
14	25/20	14/16	9	•
		18/20	7	
		2(18/20)	9	
		22	5	
WIRE SIZE AWG	WIRE SIZE mm²	WIRE SIZE AWG	SERRATIONS	KNURLS
ALUMINUM		COPPER		
WIRE MATERIAL				

(201G) NOTE:
1. INLAY MATERIAL TO BE GOLD ALLOY, (WE#1) PER ASTM B522 (69% Au, 25% Ag, Ⓗ 6% Pt) 0.00025mm MINIMUM OVER Ⓙ A PALLADIUM ALLOY, (60%PALLADIUM, 40%SILVER) Ⓚ 0.00051mm MIN, OVER NICKEL NI-BP050 0.0203/0.02740mm. Ⓛ

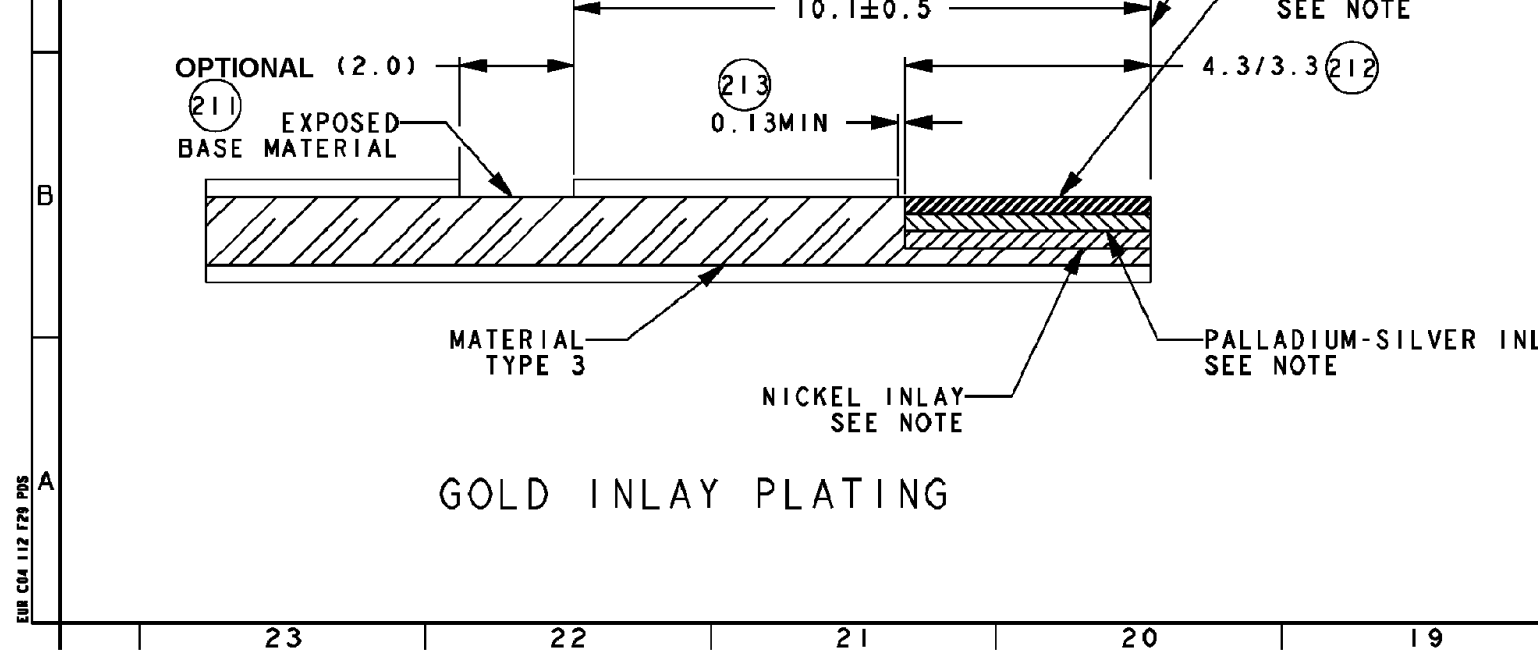
REELING OPTIONS



TERMINALS TO FEED AS SHOWN AFTER BEING REELED OFF PRODUCTION TOOL PACKAGING: PANCAKE REELS WITH PAPER INTERLEAF
ADDITIONAL PACKAGING:
(GOLD INLAY) ONLY: OUTSIDE OF REELS TO BE MARKED WITH LARGE BLUE "X"

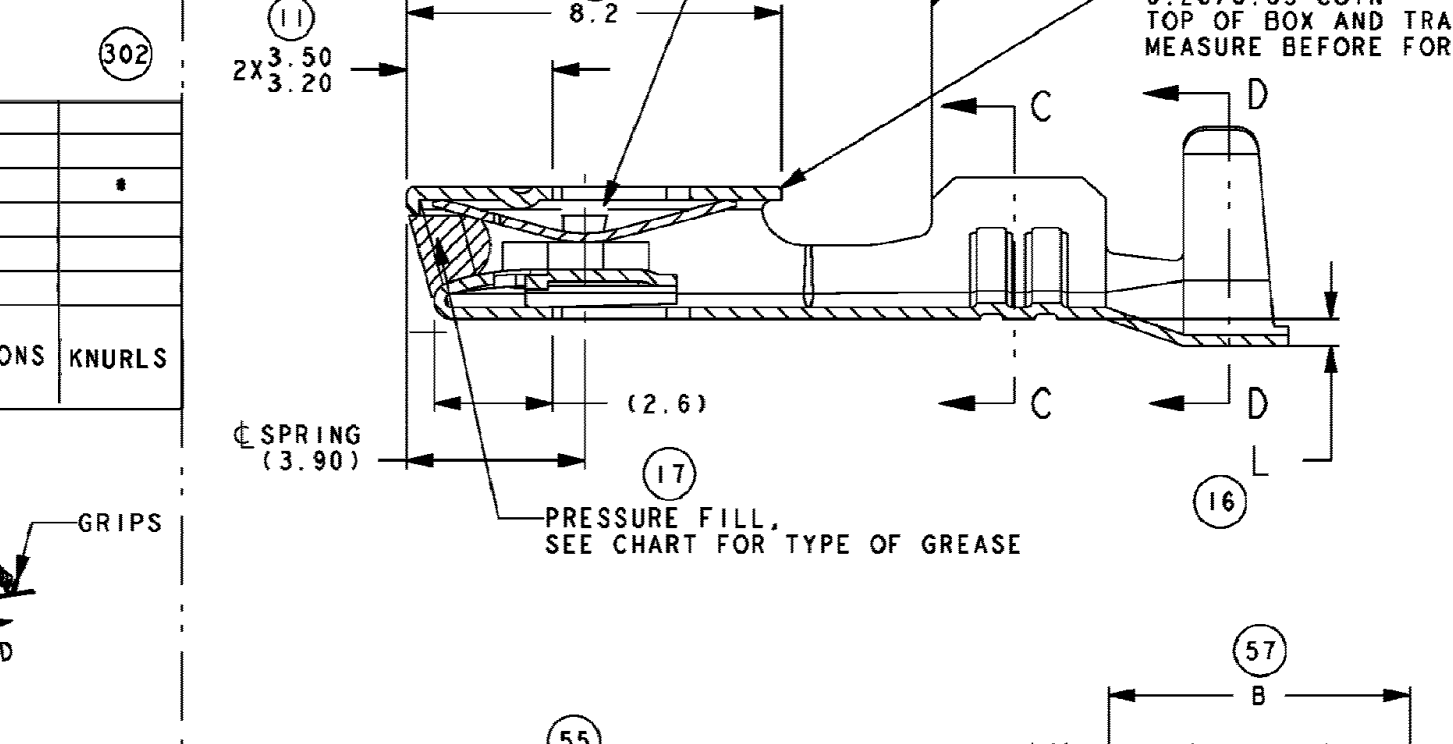
NOTE: CUSTOMER REQUESTS FOR REWIND PARTS WILL INCLUDE AN "RW_" AT THE END OF THE BILL OF MATERIAL (B.O.M) PART NUMBER EXAMPLE
STANDARD WIND: FCI PART NUMBER
REVERSE WIND: FCI PART NUMBER THEN: RWA

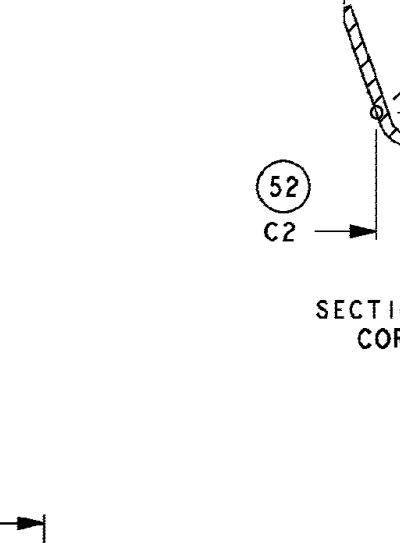
THIS PART NUMBERING SYSTEM WILL BE AVAILABLE FOR ALL CHARTED (B.O.M) PART NUMBERS



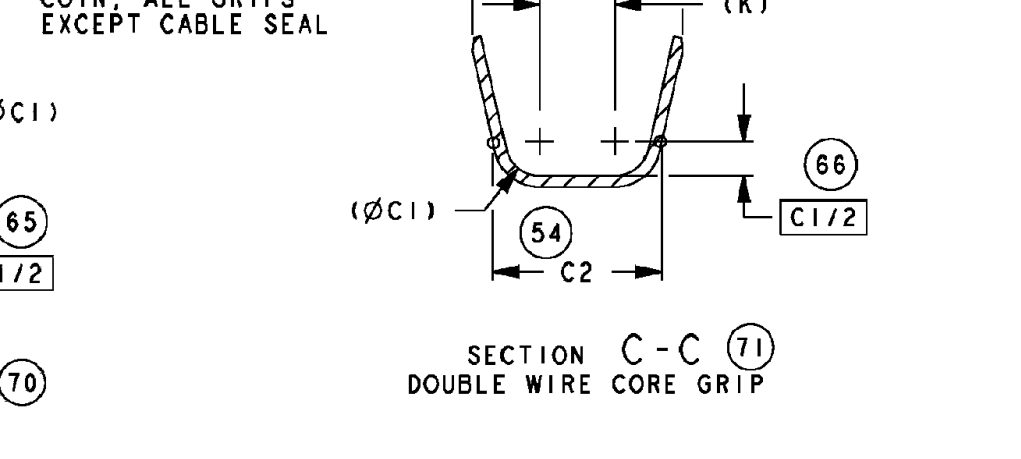
GOLD INLAY PLATING

SECTION A-A

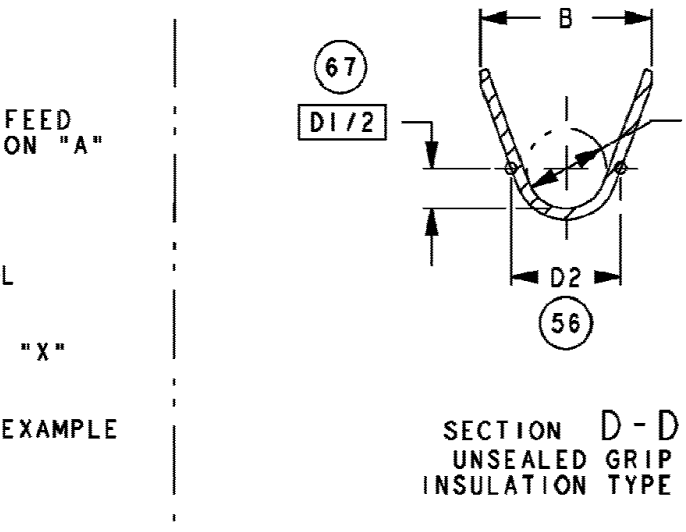

(13) 11.5
GREASE OVERFLOW PERMISSIBLE IN THIS AREA. (14)
(12) 8.2
(K2) (15)
0.20/0.05 COIN TOP OF BOX AND TRANSITION AREA, MEASURE BEFORE FORMING.
C
(11) 2X 3.50 3.20
C
D
C
D
℄SPRING (3.90)
(2.6)
(17) PRESSURE FILL, SEE CHART FOR TYPE OF GREASE
(16)
L



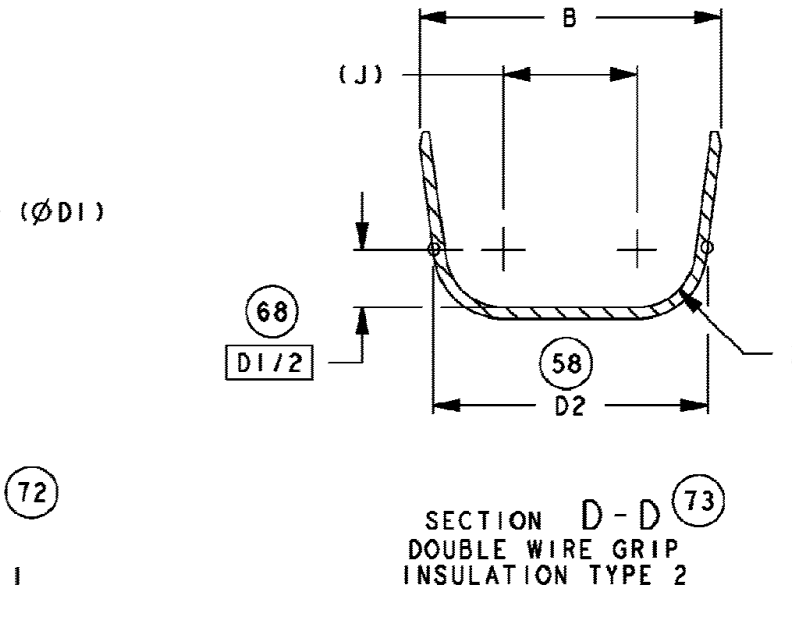
SECTION C-C (70)
CORE GRIP



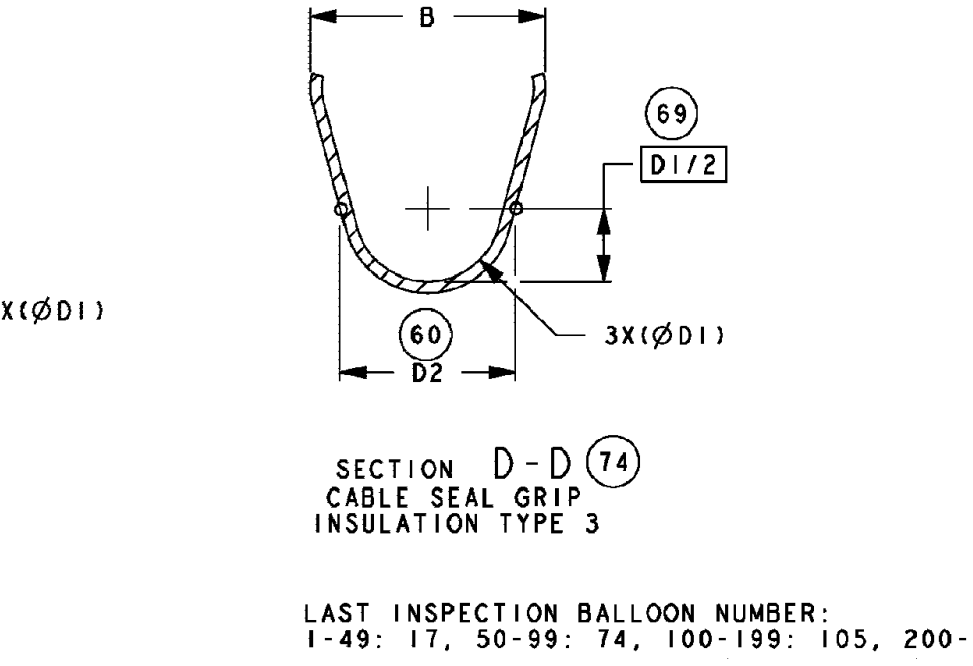
SECTION C-C (71)
DOUBLE WIRE CORE GRIP



SECTION D-D (72)
UNSEALED GRIP
INSULATION TYPE 1



SECTION D-D (73)
DOUBLE WIRE GRIP
INSULATION TYPE 2



SECTION D-D (74)
CABLE SEAL GRIP
INSULATION TYPE 3

LAST INSPECTION BALLOON NUMBER:
1-49: 17, 50-99: 74, 100-199: 105, 200-299: 213, 300-349: 302

ECN-NO.	ZONE	CHANGE DESCRIPTION
12-00426	ALL	S: 3/28/12 REVISED AND REDRAWN IN PDS, ADDED P/N F820310, F920310, "K" "G" SYMBOLS

PRODUCT SPEC. -	PACKAGING SPEC. -	APPLICATION SPEC. -	THIS DRAWING AND ALL OTHER INFORMATION CONTAINED THEREIN IS PROPRIETARY AND THE PROPERTY OF FCI. This drawing may not be copied, reproduced or disclosed to any third party without the expressed written permission of FCI.FCI April©1999
TOLERANCES SEE NOTES	MATERIAL: SEE NOTES	SURFACE FINISH	
CUSTOMER Nr. C15005-CUST	COLOUR: --		
DO NOT MEASURE DRAWING	TOOL NO. DIE 471	ECO Loc. Code AN	
CREATED BY / MODIFIED BY / CHECKED BY / APPROVED BY	TITLE APEX 2.8 FEMALE TERMINAL	DRAWING NUMBER C15005-CUST	REV. S
	PROJECT (2.80 mm APEX TERMINAL)	PART NUMBER	REV.
FILE NAME C15004-CUST	ESB NO. 6243	CAT. NO.	SCALE 4:1

FCI — 3RD ANGLE — DIMENSION IN MILLIMETERS — CAD SYSTEM pro/eng — DIM SIZE A0 — SHEET 1 of 1

DOCUMENT UNDER PDS CONTROL NO MODIFICATION ALLOWED OUTSIDE

DRAWING NUMBER						
15324842						
SIZE A1x4	SCALE NONE	FRAME NO 2 OF 2	SHEET NO 1 OF 1	STG R	REV 68	N/P -

PART NUMBER	REV	PART NUMBER	REV	N/P	REWIND PART NUMBER	REV	N/P	BASE MAT'L SPEC	SPRING MAT'L SPEC
MVL		APTIV							
-		~~35229817~~	01	-	-	-	-	M6666CN0	M6571H80
-		~~35170959~~	01	AB	-	-	-	M6666CN0	M6571H80
-		~~35170946~~	01	AA	-	-	-	M6666CN0	M6571H80
-		~~35170944~~	01	AB	-	-	-	M6666CN0	M6571H80
-		~~• 35116919~~	01	AA	-	-	-	M6554H81	M6552H80
-		33370369	01	AC	-	-	-	M6666CN0	M6571H80
F920310	S	33153107	01	AE	-	-	-	M6666CN0	M6571H80
~~54001008~~	S	~~13868783~~	01	AE	-	-	-	M6554H81	M6552H80
54001210	S	33513307	02	AB	-	-	-	M6567AN0	M6571H80
54001000/54001018	S	10762802	01	AM	-	-	-	M6554H81	M6552H80
54001000RWA/54001018RWA	S	-	-	-	13767528	01	AE	10762802	-
54001000RWC/54001018RWC	S	-	-	-	15459772	01	AL	10762802	-
54001003	S	15512740	02	AB	-	-	-	M6567AN0	M6571H80
54001003RWC	S	-	-	-	15512738	02	AB	15512740	-
54001202/54001220	S	10810733	01	AD	-	-	-	M6554H81	M6552H80
54001202RWA/54001220RWA	S	-	-	-	15512737	01	AE	10810733	-
~~54001206~~	S	~~15512739~~	02	AC	-	-	-	M6567AN0	M6571H80
54001208/54001227	S	15422738	01	AL	-	-	-	M6554H81	M6552H80
54001208RWA/54001227RWA	S	-	-	-	33122458	01	AB	15422738	-
54001300/54001311	S	10757689	01	AN	-	-	-	M6554H81	M6552H80
54001300RWA/54001311RWA	S	-	-	-	15548836	01	AC	10757689	-
54001300RWC/54001311RWC	S	-	-	-	15548837	01	AC	10757689	-
~~54001303~~	S	~~15509070~~	02	AC	-	-	-	M6567AN0	M6571H80
54001400/54001431	S	10762803	01	AN	-	-	-	M6554H81	M6552H80
54001400RWA/54001431RWA	S	-	-	-	10890229	01	AE	10762803	-
54001400RWC/54001431RWC	S	-	-	-	15418891	01	AM	10762803	-
54001403/54001446	S	13681975	02	AB	-	-	-	M6567AN0	M6571H80
54001403RWC/54001446RWC	S	-	-	-	15513662	02	AB	13681975	-
F820310	S	15509075	01	AE	-	-	-	M6666CN0	M6571H80
F820310RWA	S	-	-	-	33136816	01	AB	15509075	-
54001404/54001432	S	13627267	01	AD	-	-	-	M6554H81	M6552H80
54001404RWA/54001432RWA	S	-	-	-	15512741	01	AD	13627267	
54001404RWC/54001328RWC	S	-	-	-	15512742	01	AD	13627267	-
54001410/54001448	S	15470590	02	AB	-	-	-	M6567AN0	M6571H80
54001410RWA/54001448RWA	S	-	-	-	15512736	02	AB	15470590	-
54001410RWC/54001448RWC	S	-	-	-	15512744	02	AB	15470590	-
54001800/54001839	S	10757690	01	AN	-	-	-	M6554H81	M6552H80
54001800RWA/54001839RWA	S	-	-	-	10890230	01	AH	10757690	-
54001800RWC/54001839RWC	S	-	-	-	15418893	01	AP	10757690	-
54001803/54001876	S	15422510	02	AB	-	-	-	M6567AN0	M6571H80
54001803RWA/54001876RWA	S	-	-	-	15512735	02	AB	15422510	-
54001803RWC/54001876RWC	S	-	-	-	15489904	02	AB	15422510	-
54001807/54001840	S	10810375	01	AH	-	-	-	M6554H81	M6552H80
54001807RWA/54001840RWA	S	-	-	-	15532428	01	AD	10810375	-
54001811/54001879	S	13948955	02	AB	-	-	-	M6567AN0	M6571H80
54001811RWA/54001879RWA	S	-	-	-	15513669	02	AB	13948955	-
54002200/54002231	S	10757691	01	AL	-	-	-	M6554H81	M6552H80
54002200RWA/54002231RWA	S	-	-	-	13783086	01	AG	10757691	-
54002200RWC/54002231RWC	S	-	-	-	15461247	01	AP	10757691	-
~~54002203~~	S	~~15548838~~	02	AC	-	-	-	M6567AN0	M6571H80

UNGREASED PART NUMBERS

PART NUMBER	REV	PART NUMBER	REV	N/P	REWIND PART NUMBER	REV	N/P	BASE MAT'L SPEC	MAT'L SPEC GREASE
MVL		APTIV							
~~54001009~~	-	~~35270378~~	01	-	-	-	-	13868783	M5797004
~~54002262~~	S	~~15548839~~	02	AE	-	-	-	10757691	M5301000
~~54001019/F5767210~~	S	~~13945408~~	01	AH	-	-	-	10762802	M5301000
~~54001221~~	S	~~13690849~~	01	AP	-	-	-	10810733	M5301000
~~54001221RWA~~	S	-	-	-	~~33121453~~	01	AG	13690849	-
~~54001228~~	S	~~15512746~~	01	AJ	-	-	-	BASE M6567AN0/SPRING M6571H80	M5301000
~~54001440/F367210~~	S	~~13943343~~	01	AK	-	-	-	10762803	M5301000
~~54001440RWC/F367210RWC~~	S	-	-	-	~~13969985~~	01	AG	13943343	-
~~54001439~~	S	~~13690847~~	01	AN	-	-	-	13627267	M5301000
~~54001444~~	S	~~15512745~~	02	AD	-	-	-	13681975	M5301000
~~54001865/F167210~~	S	~~13943342~~	01	AL	-	-	-	10757690	M5301000
~~54001865RWC/F167210RWC~~	S	-	-	-	~~13969987~~	01	AG	13943342	-
~~54001875~~	S	~~15514170~~	02	AC	-	-	-	15422510	M5301000
~~F703600~~	S	~~13848390~~	01	AK	-	-	-	10810375	M5301000
~~F703600RWA~~	S	-	-	-	~~15532429~~	01	AJ	13848390	-
~~F703600RWC~~	S	-	-	-	~~13969992~~	01	AG	13848390	-
~~54001002~~	S	~~10762771~~	01	AU	-	-	-	10762802	M0797004
54001209	S	~~15509069~~	01	AG	-	-	-	15422738	M0797004
54001402	S	10762770	01	AR	-	-	-	10762803	M0797004
~~54001402RWA~~	S	-	-	-	~~33109567~~	01	AJ	10762770	-
~~54001409~~	S	~~33500638~~	01	AK	-	-	-	13627267	M0797004
54001802	S	10762772	01	AP	-	-	-	10757690	M0797004
54002202	S	10762769	01	AE	-	-	-	10757691	M0797004
~~54002202RWA~~	S	-	-	-	~~33109566~~	01	AH	10762769	-
F579410	S	15512657	01	AC	-	-	-	10762802	M5797004
F579410RWC	S	-	-	-	13979942	01	AE	15512657	-
F769410	S	15543467	01	AC	-	-	-	13627267	M5797004
F769410RWC	S	-	-	-	13979936	01	AE	15543467	-
F379410	S	13979933	01	AC	-	-	-	10762803	M5797004
F379410RWC	S	-	-	-	15512659	01	AE	13979933	-
F379410RWA	S	-	-	-	33123738	01	AE	13979933	-
F969410	S	15543468	01	AC	-	-	-	10810375	M5797004
F969410RWC	S	-	-	-	13979937	01	AE	15543468	-
F969410RWA	S	-	-	-	33123736	01	AE	15543468	-
F179410	S	15543466	01	AC	-	-	-	10757690	M5797004
F179410RWC	S	-	-	-	13979940	01	AE	15543466	-
F479410	S	33512063	01	AC	-	-	-	15422738	M5797004
F479410RWC	S	-	-	-	13979935	01	AE	33512063	-
F279410	S	33512058	01	AD	-	-	-	10757689	M5797004
F279410RWC	S	-	-	-	13979934	01	AE	33512058	-
F079410	S	33512053	02	AC	-	-	-	10757691	M5797004
F079410RWC	S	-	-	-	13979938	01	AE	33512053	-
F079410RWA	S	-	-	-	33122533	01	AF	33512053	-
F869410	S	33512062	01	AD	-	-	-	10810733	M5797004
F869410RWC	S	-	-	-	13979941	01	AF	33512062	-
F869410RWA	S	-	-	-	33123732	01	AE	33512062	-
-		33123733	01	AC	-	-	-	33513307	M5797004
-		33123734	02	AC	-	-	-	13681975	M5797004
-		33123737	02	AC	-	-	-	15422510	M5797004

GREASED PART NUMBERS

DATE	STG	REV	N/P	CHG	ZONE	REVISION HISTORY	AUTH	DR	APVD 1	APVD 2
03SE13	R	33	-	-		10757691, 13783086 AND 15461247 - DIM "D2" WAS 2.1	423762	JGM	JAA	DAB
06SE13	R	34	-	-		13791659 -OBSOLETE; 13948955 -REINSTATED, EQUIVALENT P/N FOR MVL 54001811/54001879 WAS 13791659; 15513669 -BASE MAT'L SPEC WAS 13791659	423797	CGD	JAA	DAB
11SE13	R	35	-	-		ALL PARTS - REVISED CHART LAYOUT; 10762769,13627268,13979933,15543465-68, 15548839,15548836-38 - RELEASED; 10810374,15532429,33109566-67 - REMOVED FROM DWG; 13627267 - EQUIVALENT P/N FOR MVL 54001404/54001432 WAS 10810374; 13690847, 33500638,15512741-42 - BASE MAT'L SPEC WAS 10810374	423821	CGD	JAA	BC
27SE13	R	36	-	-		15543465 - REMOVED FROM DRAWING; 15512657 - EQUIVALENT P/N FOR MVL F579410 WAS 15543465	423975	CGD	JAA	DAB
02OC13	R	37	-	-		13979934-38, 13979940-42, 13969985, 13969987, 13969992 - WAS ON DWG 13644218 SHT 01; 33121453, 33512053, 33512058, 33512062-63 - RELEASED; 15532429, 15512659, 33109566-67 - REINSTATED	423993	CGD	JAA	DAB
07OC13	R	38	-	-		10762803, 15548838 AND 15470590 - ADDED BASE AND SPRING MAT'L SPEC	424067	CGD	JAA	DAB
09OC13	R	39	-	-		10762769-72,13690847,13690849,13848390, 13943343,13945408,13969296,13969985, 13969987,13969992,15509069,15512745-46, 15514170,15532429,15548839,33109566-67, 33121453 & 33500638 - ADDED RESTRICTED INFO; 13969296 - REMOVED FROM DWG; 13943342 - WAS ON DWG 13644218 SH 01; 15548839 - BASE MAT'L SPEC WAS 15548838; 33512053,33512058 & 33512062-63 - BASE MAT'L SPEC WAS M6554H81; 13943342 - EQUIVALENT P/N FOR MVL54001865/F167210 WAS 13969296	424088	CGD	JAA	DAB
11OC13	R	40	-	-		15532429,33109566,33109597 & 33121453 - UPDATED RESTRICTED INFO; 33123732-34, 33123736-38 AND 33122533 - RELEASED	424117	CGD	JAA	DAB
21OC13	R	41	-	-		33122458 - RELEASED	424169	CGD	JAA	DAB
22OC13	R	42	-	-		13945408, 13690849, 33121453, 13969985, 15512745-46, 13969987, 15532429, 13969992, 15514170, 15548839, 10762771, 33109566-67, 33500638 - OBSOLETE; 33123732 - BASE MAT'L SPEC WAS 13690849; 33122533 - BASE MAT'L SPEC WAS 10762769; 33123736 - BASE MAT'L SPEC WAS 13848390; 33123738 - BASE MAT'L SPEC WAS 10762770	424242	IMF	JAA	DAB
25OC13	R	43	-	-		UPDATED HEADER CALL OUT ON GREASED CHART; 10762771,13690849,13945408,13969985, 13969987,13769992,15512745-46,15514170, 15532429,15548839,33109566-67,33121453 AND 33500638 - OBSOLETE EQUIVALENT MVL PN; ALL REWIND GREASED PN - UPDATED GREASE INFO; 33123733 - BASE MAT'L SPEC WAS "BASE M6567AN0/SPRING M6571H80"	424312	CGD	JAA	DAB
11NO13	R	44	-	-		10757689,13681975,15548836-37 & 15513662 - UPDATED EQUIVALENT MVL PN; 13868783 AND 33513307 - RELEASED	424541	CGD	JAA	DAB
19NO13	R	45	-	-		15512737 - UPDATED EQUIVALENT MVL PN; 13627268 - REMOVED	424687	CGD	JAA	DAB
02JA14	R	46	-	-		33136816 - RELEASED	425018	CGD	JAA	BC
14JA14	R	47	-	-		15512740 - UPDATED EQUIVALENT MVL PN	425194	CGD	CGD	DAB
05FE14	R	48	-	-		13690847 - OBSOLETE	425394	CGD	CGD	DAB
11MR14	R	49	-	-		33153107 - RELEASED	425833	CGD	CGD	BC
07MY14	R	50	-	-		15509069 - OBSOLETE AND REPLACED BY 33512063	426475	CGD	CGD	DAB
30JL15	R	51	-	-		15512745, 15514170 & 15548839 - REINSTEAD; 13681975, 13648955, 15422510, 15470590, 15489904, 15509070, 15512734 -40, 15512744-45, 15513662, 15513669, 15514170, 15548838-39, 33513307 & 33512053 - ADDED "OPTIONAL" TO MAT'L EXPOSE (2 PLCS), 15512745, 15514170 & 15548839 - OBSOLETE AND 15513669 - REV 02 WAS 03 "AA" PER AUTH NUMBER 423821	430255	JVR	JAA	BC
17NO15	R	52	-	-		13943343 - UPDATED "GREASE" NOTE AND ADDED "GREASE TYPE" CHART TO GREASE NOTE	431343	AGC	BC	BC
27NO15	R	53	-	-		10762769-70 - ADDED TO GREASE TYPE CHART	431544	AGC	BC	BC
10FE16	R	54	-	-		13943342-43, & 13848390 - ADDED STICKER FOR "CRIMP CHART" & INFO TO REPLACEMENT P/N'S AND UPDATED INFO CHART NOTE #2	432072	IMF	IMF	BC
13MY16	R	55	-	-		ALL GREASED PARTS - REMOVED "GREASE TYPE" ON PASTE UP DWG, "REPLACED GREASE" NOTE, "RESTRICTED INFO" AND "GREASE TYPE" ON CHART	433062	CGD	CGD	JOG
05JL16	R	56	-	-		33370369 - RELEASED	433590	CGD	CGD	JOG
24OC16	R	57	-	-		ALL PARTS - A±0.3 WAS A±0.25, B±0.3 WAS B±0.25, C2±0.3 WAS C2±0.25 AND D2±0.3 WAS D2±0.25 ON PASTE UP DRAWING	434679	CGD	CGD	JOG
10NO16	R	58	-	-		ALL PARTS - CORRECTED TOL. CALL OUT ON DIMS A, B, C2 AND D2 ON PASTE UP DRAWING	434876	CGD	CGD	JOG
16MY17	R	59	-	-		33370369 - UPDATED PART AVAILABILITY	436730	JVR	JVR	JOG
30JN17	R	60	-	-		15548839 - OBSOLETE	437122	AGH	VMR	AGH
17AU17	R	61	-	-		35116919 - RELEASED	437468	HCG	HCG	JOG
23FE18	R	62	-	-		35116919 - UPDATED "WIRE MATERIAL" CHART AND "KNURLS PATTERN REQUIREMENTS" NOTE; 33153107, 13868783, 15512739, 15509070 & 15548838 - UPDATED PART AVAILABILITY; 15548839, 15512745, 15512746 & 33500638 - ADDED CROSS LINE ON PASTE UP DRAWING	439118	DAV	JVM	JOG
06AP18	R	63	-	-		33153107 - UPDATED PART AVAILABILITY	439383	LVD	JAA	JOG
11AP18	R	64	-	-		35170944, 35170946 & 35170959 - RELEASED	439002	LVD	JOG	JOG
20JL18	R	65	-	-		13868783 & 35170944 - DIMS B WAS 7.6, (C1) DIA WAS 2.3 & C2 WAS 3.2	440460	LVD	JAA	JOG
25SE18	R	66	-	-		35170959- CORRECTED "D1" & "D2" DIMS; 13868783, 15509075, 33153107, 35170944 & 46 - UPDATED PDM ATTRIBUTES	441103	LVD	JOG	JOG
08OC18	R	67	-	-		35229817 - RELEASED	440755	LVD	JAA	LB
10DE18	R	68	-	-		35270378 - RELEASED; 35170959 UPDATED PDM ATTRIBUTES	441363	LVD	JAA	LES

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. LINE THRU MVL PART NUMBER INDICATES MVL PART NUMBER IS NO LONGER BEING MANUFACTURED. LOOK FOR REPLACEMENT APTIV PART NUMBER IN THE SECOND COLUMN.

3. • DENOTE KNURLS PATTERN REQUIREMENTS FOR ALUMINUM AND COPPER MATERIAL WIRE, SEE "SERRATIONS/KNURLS" CHART.

TOLERANCE UNLESS OTHERWISE SPECIFIED:
DECIMAL: ANGULAR ±2°
TWO PLACE SEE DRAWING
THREE PLACE SEE DRAWING

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 APTIV 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-2001. SEPARATE PATTERNS OF FEATURES MAY BE GAGED SEPARATELY REGARDLESS OF DATUM REFERENCES.

ALL DIMENSIONS ARE IN MILLIMETERS

REFERENCE

THIRD ANGLE PROJECTION

DO NOT SCALE

USE MATH DATA

CAD NX

•APTIV•

CONNECTION SYSTEMS
WARREN, OH

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		DATE
DR		
APVD1	JAVIER ESQUIVEL	12MR13
APVD2	JAVIER ESQUIVEL	12MR13
APVD3	DANIEL A. BUCCINO	12MR13
APVD4		
APVD5		

SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER APTIV 10949001

MATERIAL
SEE CHART

DRAWING NAME
TAXI ASM TERM F APEX 2.8

DRAWING NUMBER						
15324842						
SIZE A1x4	SCALE NONE	FRAME NO 1 OF 2	SHEET NO 1 OF 1	STG R	REV 68	N/P -

15324842

User: zj8qmm Part: 15324842-CUS01-S01 Date: 13-Dec-18 Time: 14:18 Message: