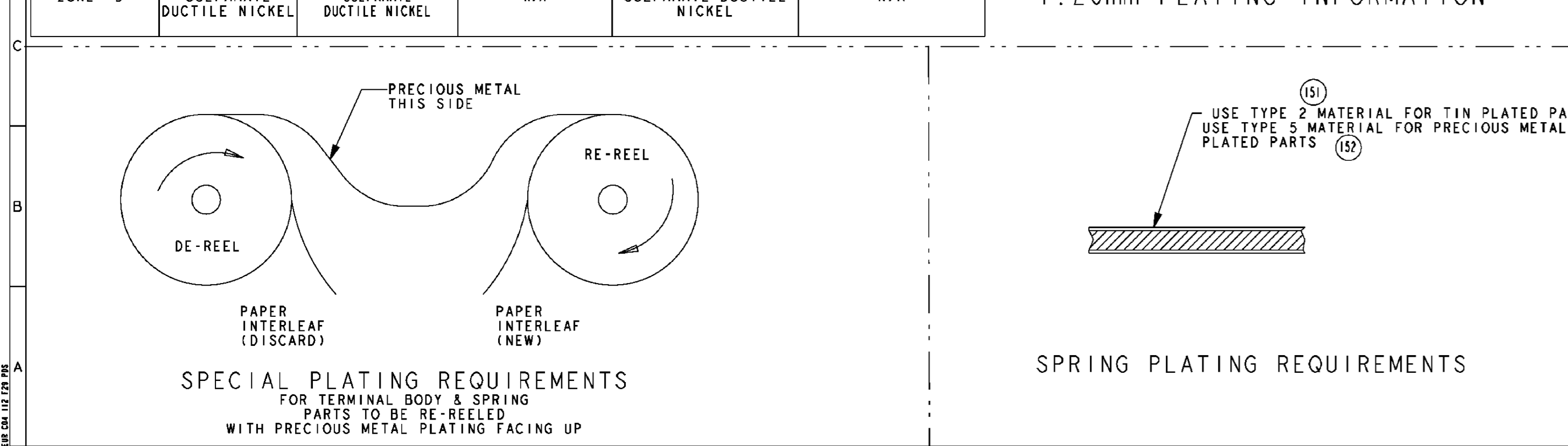
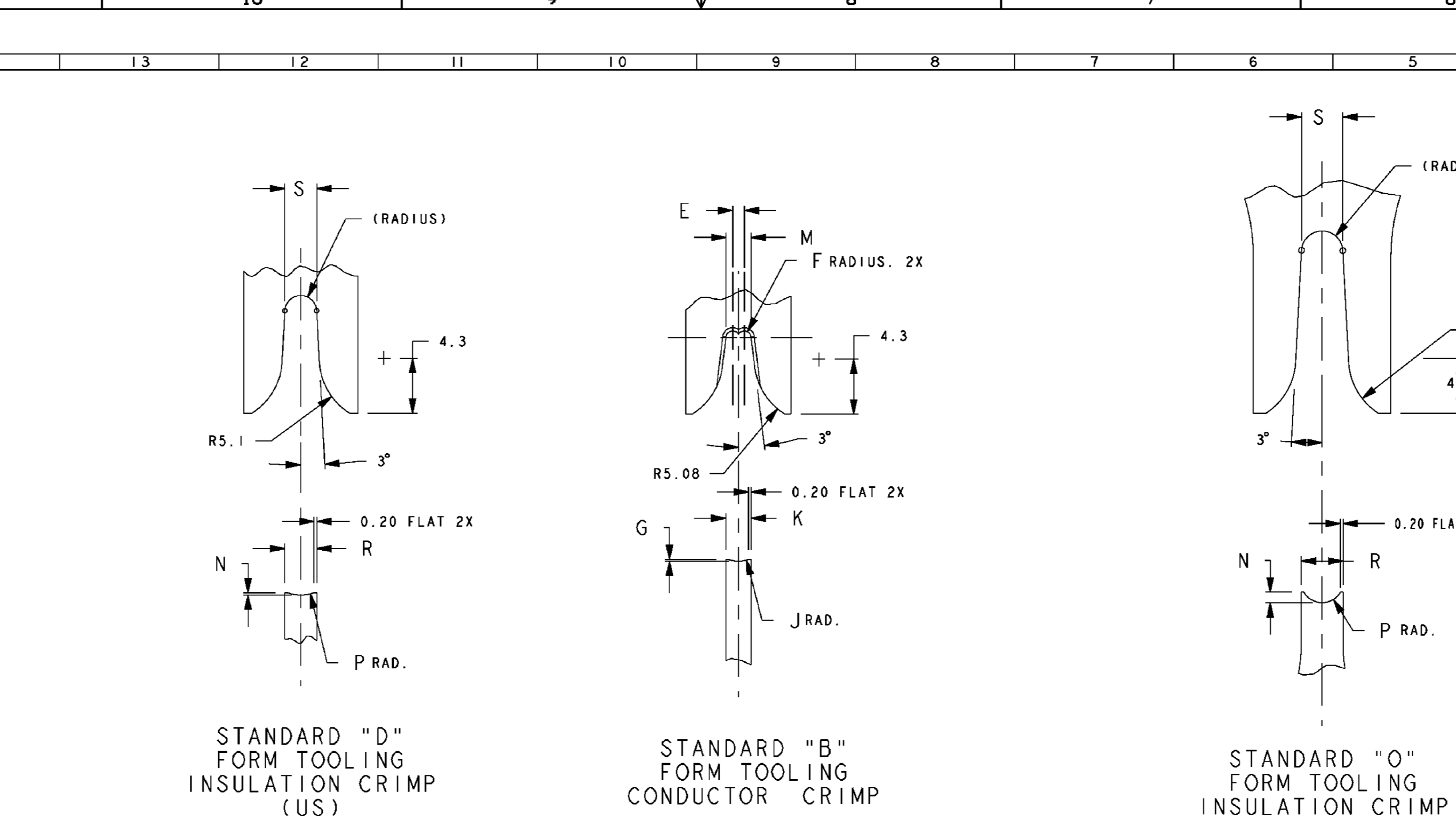


MATERIAL TYPE	BODY: TYPE 3 SPRING: TYPE 5	BODY: TYPE 3 SPRING: TYPE 5	BODY: TYPE 4 SPRING: TYPE 5	BODY: TYPE 3 SPRING: TYPE 5	BODY: TYPE 1 SPRING: TYPE 2
PLATING	GOLD STRIPE	SPOT GOLD	TIN / SILVER	SILVER STRIPE OR SPOT	TIN PLATE
ZONE "A"	N/A	N/A	0.001mm-5.000mm HOT TIN DIPPED WITH 50% TIN SILVER	COPPER STRIKE, THEN SILVER STRIKE BEFORE ZONE C SILVER	0.00127-0.00381 100% ELECTRO MATT TIN PLATE
ZONE "B"	0.00127/0.00381 100% ELECTRO MATT TIN	0.00127/0.00381 100% ELECTRO MATT TIN	N/A	0.00127/0.00254 ELECTRO MATT TIN	N/A
ZONE "C"	0.00016 MIN HARD GOLD TO ASTM B-488 TYPE II CODE C OVER 0.00127/0.00254 SULFAMATE DUCTILE NICKEL	0.00016 MIN HARD GOLD TO ASTM B-488 TYPE II CODE C OVER 0.00127/0.00254 SULFAMATE DUCTILE NICKEL	N/A	0.002mm MIN PURE SILVER, NICKEL UNDER COAT OPTIONAL THIS AREA NO DIPS MATERIAL THIS AREA TARNI-BAN POST COAT	N/A
ZONE "D"	0.00051 MIN SULTAMATE DUCTILE NICKEL	0.00051 MIN SULTAMATE DUCTILE NICKEL	N/A	0.00051 MIN SULTAMATE DUCTILE NICKEL	N/A



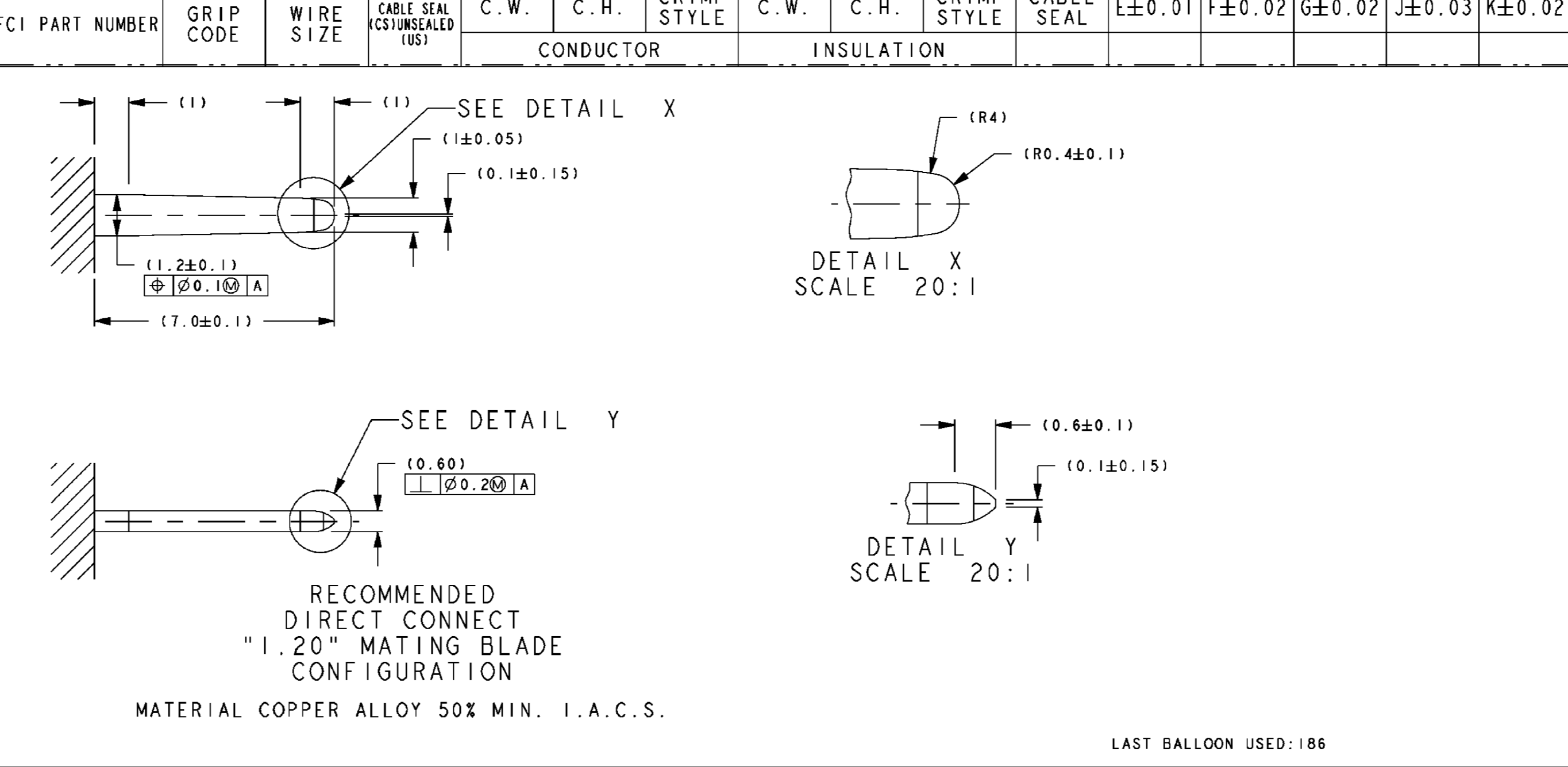
PART NUMBER	REV	PART NUMBER	REV	N/P	BASE MAT'L SPEC OR MADE FROM PART NUMBER	SPRING MAT'L SPEC	PLATED PARTIALLY NOTCHED, FORMED RIBS PART NUMBER	REV	N/P	PLATED PARTIALLY NOTCHED, FORMED RIBS MAT'L SPEC	PREPROCESS PLATING INFORMATION	
54001864	G	13576990	01	AH	M6573H91	M6569H86	-	-	-	-	-	
54001864RWA	G	15521513	01	-	13576990	-	-	-	-	-	-	
54002006	G	13806233	01	AF	M6573H91	M6569H86	-	-	-	-	-	
54002006RWA	G	15521515	01	-	13806233	-	-	-	-	-	-	
F731400	G	13805376	01	AD	M6595AX6	M6570H86	15540784	01	AA	M6595AX6	M6588AB1	M6572H91
F731400RWA	G	13972928	01	AA	13805376	-	-	-	-	-	-	-
F931400	G	13805375	01	AD	M6595AX6	M6570H86	15540784	01	AA	M6595AX6	M6588AB1	M6572H91
F931400RWA	G	13972933	01	AA	13805375	-	-	-	-	-	-	-
54001863	G	13579640	01	AH	M6591AX1	M6570H86	15540786	01	AA	M6591AX1	M6588AB1	M6572H91
54001863RWA	G	15521519	01	-	13579640	-	-	-	-	-	-	-
54002005	G	13827658	01	AD	M6591AX1	M6570H86	15540786	01	AA	M6591AX1	M6588AB1	M6572H91
54002010	G	15504560	01	AA	M6591AX1	M6570H86	15540786	01	AA	M6591AX1	M6588AB1	M6572H91
54001866	G	13587331	01	AG	M6574H91	M6570H86	-	-	-	-	-	-
54002007	G	15521522	01	-	M6574H91	M6570H86	-	-	-	-	-	-



CRIMP NOTES:

- THE CRIMP AND CRIMP TOOLING DIMENSIONS HAVE BEEN ESTABLISHED AND VALIDATED TO USCAR-21 USING FCI TOOLS, MACHINES AND PROCESSES. THE DIMENSIONS SHOWN ARE FOR REFERENCE.
- WIRING SUPPLIERS ARE TO DEVELOP AND VALIDATE THEIR CRIMPING SPECIFICATIONS AND PROCESSES ACCORDING TO ALL ASPECTS OF USCAR-21 REV. 2. NOTE THAT AS STATED IN USCAR-21, WIRING SUPPLIER DEFINED CRIMPING SPECIFICATIONS AND CRIMPING PROCESSES MAY IMPACT CONNECTOR FUNCTIONS. (SEE USCAR-21 REV. 2, 4.2.5.1); CONTACT FCI ENGINEERING FOR ANY NEEDED ASSISTANCE IN THIS REGARD.
- DESIGN REFERENCE INFORMATION: IT IS RECOMMENDED THAT THE NOTED DESIGNED OFFSET BETWEEN THE CONDUCTOR GRIP AND INSULATION GRIP NOT BE CHANGED BY THE CRIMPING PROCESS. RESULTING IN THE DURING CRIMPING CAN NEGATIVELY IMPACT CONNECTOR SYSTEM FUNCTION. ACCEPTABILITY OF THE ACTUAL NOTED CRIMP OFFSET, CRIMPING SPECIFICATION, AND CRIMPING PROCESS USED IS TO BE DETERMINED AS DEFINED IN CRIMP NOTE 2.
- DESIGN REFERENCE INFORMATION: CRIMPED TERMINALS ARE USED ON VARIOUS CONNECTOR APPLICATIONS. NORMALLY, FOR DESIGN PURPOSES, A CONDUCTOR AND INSULATION CRIMP ANGLE TOLERANCE OF +/- 3 DEGREES RELATIVE TO TERMINAL DATUM "T" CAN BE ASSUMED. ACTUAL CRIMP TOLERANCES DEFINED WITHIN A HARNESS MAKER'S CRIMPING PROCESS FOR A SPECIFIC CONNECTOR APPLICATION MUST BE VERIFIED AS SUITABLE BY FULL VALIDATION TO ALL ASPECTS OF USCAR-21 INCLUDING SECTION 4.2.5.
- WIRE GAGES NOT SHOWN IN THE CHART HAVE NOT BEEN VALIDATED TO USCAR-21 AT THIS TIME.

FCI PART NUMBER	GRIP CODE	WIRE SIZE	CABLE SEAL (UNRELEASED US)	C. W.	C. H.	CRIMP STYLE	C. W.	C. H.	CRIMP STYLE	CABLE SEAL	E±0.01	F±0.02	G±0.02	J±0.03	K±0.02	M±0.02	N±0.02	P±0.03	R±0.02	S±0.02
54002010	20	US	1.65	1.05	"B"	2.30	1.45	"D"	NO	0.74	0.43	0.10	2.06	1.60	1.60	0.15	2.85	2.20	2.23	
54001878	18	US	2.45	1.15	"B"	2.70	1.70	"D"	NO	1.09	0.63	0.16	3.06	2.38	2.36	0.18	3.35	2.60	2.62	
54002007	20	CS	1.65	1.05	"B"	3.00	2.75	"O"	YES	0.74	0.43	0.10	2.06	1.60	1.60	0.96	1.25	2.91	2.88	
54002005	20	CS	1.65	1.05	"B"	3.00	2.75	"O"	YES	0.74	0.43	0.10	2.06	1.60	1.60	0.96	1.25	2.91	2.88	
54002006	20	CS	1.65	1.05	"B"	3.00	2.75	"O"	YES	0.74	0.43	0.10	2.06	1.60	1.60	0.96	1.25	2.91	2.88	
54001866	18	CS	2.45	1.15	"B"	3.35	3.55	"O"	YES	1.09	0.63	0.16	3.06	2.38	2.36	1.12	1.42	3.25	3.30	
54001863	18	CS	2.45	1.15	"B"	3.35	3.55	"O"	YES	1.09	0.63	0.16	3.06	2.38	2.36	1.12	1.42	3.25	3.30	
F731400	18	CS	2.45	1.15	"B"	3.35	3.55	"O"	YES	1.09	0.63	0.16	3.06	2.38	2.36	1.12	1.42	3.25	3.30	
54001864	18	CS	2.45	1.15	"B"	3.35	3.55	"O"	YES	1.09	0.63	0.16	3.06	2.38	2.36	1.12	1.42	3.25	3.30	



DATE	STATUS	REV	N/P	CHG	REVISION HISTORY	AUTH	DR	APVD	APV2
30MY06	R	01	-	-	13576990 - WAS SEPARATE DWG; 13579640, 13587331 - RELEASED	281146	AVE	AVE	D6
21OC09	R	02	-	-	ALL PARTS - DWG UPDATED TO LATEST PRINT; REVISED NOTES & TITLE BLOCK	311549	VMC	VMC	KEL
07DE09	R	03	-	-	ALL PARTS - UPDATED PDM ATTRIBUTES	312607	EHM	EIV	J6
26JA10	R	04	-	-	ALL PARTS - UPDATED PDM ATTRIBUTES	313063	EIV	EIV	J6R
04FE10	R	05	-	-	13806233 - RELEASED	313197	AVE	AVE	KEL
26MY10	R	06	-	-	UPDATED PDM ATTRIBUTES	314449	JJD	GAV	J6
14JUL10	R	07	-	-	ALL PARTS - DWG UPDATED TO LATEST PRINT	314947	JJD	VMC	RC6
24MR11	R	08	-	-	"SHT 1 OF 3" WAS "SHT 1 OF 2"; REVISED NOTES & CHART; 13805375-76 - WERE ADDED; 13827658 - RELEASED	317641	JJD	JUD	JEP
05MY11	R	09	-	-	ALL PARTS - DWG UPDATED TO LATEST PRINT	318185	JJD	JUD	SM
12JUL11	R	10	-	-	UPDATED PDM ATTRIBUTES	319029	ABO	ABO	JTC
06DE12	R	11	-	-	ADDED SHT 1; "SHT 2" WAS "SHT 1"; REVISED NOTES; 13972933 & 13972928 - RELEASED	323464	GAV	GAV	JSS
12AP13	R	12	-	-	15504560, 15521513, 15521515, 15521519, 15521522, 15540784 & 15540786 - RELEASED; ALL PARTS - UPDATED MVL PASTE UP DWG TO REV G AND ADDED INSPECTION SYMBOLS	421194	CGD	JAA	DAB
17SE13	R	13	-	-	13579640, 13827658 & 15504560 - BASE MAT'L SPEC WAS M6595AX1; 15540786 - PLATED PARTIALLY NOTCHED, FORMED RIBS MAT'L SPEC WAS M6595AX1	423860	CGD	JAA	DAB

CRIMP SPECIFICATIONS

FCI PART NUMBER	GRIP CODE	WIRE SIZE	CABLE SEAL (UNRELEASED US)	C. W.	C. H.	CRIMP STYLE	C. W.	C. H.	CRIMP STYLE	CABLE SEAL	E±0.01	F±0.02	G±0.02	J±0.03	K±0.02	M±0.02	N±0.02	P±0.03	R±0.02	S±0.02
54002010	20	US	1.65	1.05	"B"	2.30	1.45	"D"	NO	0.74	0.43	0.10	2.06	1.60	1.60	0.15	2.85	2.20	2.23	
54001878	18	US	2.45	1.15	"B"	2.70	1.70	"D"	NO	1.09	0.63	0.16	3.06	2.38	2.36	0.18	3.35	2.60	2.62	
54002007	20	CS	1.65	1.05	"B"	3.00	2.75	"O"	YES	0.74	0.43	0.10	2.06	1.60	1.60	0.96	1.25	2.91	2.88	
54002005	20	CS	1.65	1.05	"B"	3.00	2.75	"O"	YES	0.74	0.43	0.10	2.06	1.60	1.60	0.96	1.25	2.91	2.88	
54002006	20	CS	1.65	1.05	"B"	3.00	2.75	"O"	YES	0.74	0.43	0.10	2.06	1.60	1.60	0.96	1.25	2.91	2.88	
54001866	18	CS	2.45	1.15	"B"	3.35	3.55	"O"	YES	1.09	0.63	0.16	3.06	2.38	2.36	1.12	1.42	3.25	3.30	
54001863	18	CS	2.45	1.15	"B"	3.35	3.55	"O"	YES	1.09	0.63	0.16	3.06	2.38	2.36	1.12	1.42	3.25	3.30	
F731400	18	CS	2.45	1.15	"B"	3.35	3.55	"O"	YES	1.09	0.63	0.16	3.06	2.38	2.36	1.12	1.42	3.25	3.30	
54001864	18	CS	2.45	1.15	"B"	3.35	3.55	"O"	YES	1.09	0.63	0.16	3.06	2.38	2.36	1.12	1.42	3.25	3.30	

1.20mm PLATING INFORMATION

NOTE: THIS VIEW FOR INCOMING INSPECTION PURPOSES. PARTS TO BE CHECKED FOR SELECTIVE PLATING LOCATION & THICKNESS PER PLATING CERTIFICATIONS BEFORE FINAL FORMING OPERATION.

TIN AND NICKEL OVERLAP IS NECESSARY TO AVOID TIN PLATE NOT TO OVERLAP SELECTIVE METAL.

SILVER VENDOR TO SUPPLY SILVER ELONGATION REPORT TO VERIFY CAPABILITY.

GOLD STRIPE AND GOLD SPOT ARE INTERCHANGEABLE.

USE 54001863-10 FOR GOLD POST PLATED MATERIAL.

USE 54001863-15 FOR SILVER POST PLATED MATERIAL.

SPECIAL PLATING REQUIREMENTS

FOR TERMINAL BODY & SPRING PARTS TO BE REELED WITH PRECISION METAL PLATING FACING UP

SPRING PLATING REQUIREMENTS

USE TYPE 2 MATERIAL FOR TIN PLATED PARTS

USE TYPE 2 MATERIAL FOR PRECISION METAL PLATED PARTS

RECOMMENDED DIRECT CONNECT "I.20" MATING BLADE CONFIGURATION

MATERIAL COPPER ALLOY 50% MIN. I.A.C.S.

CRIMP SPECIFICATIONS

UNSEALED INSULATION DIMENSIONS HAVE NOT BEEN VALIDATED TO USCAR-21

REVISION HISTORY

DATE	STATUS	REV	N/P	CHG	REVISION HISTORY	AUTH	DR	APVD	APV2
30MY06	R	01	-	-	13576990 - WAS SEPARATE DWG; 13579640, 13587331 - RELEASED	281146	AVE	AVE	D6
21OC09	R	02	-	-	ALL PARTS - DWG UPDATED TO LATEST PRINT; REVISED NOTES & TITLE BLOCK	311549	VMC	VMC	KEL
07DE09	R	03	-	-	ALL PARTS - UPDATED PDM ATTRIBUTES	312607	EHM	EIV	J6
26JA10	R	04	-	-	ALL PARTS - UPDATED PDM ATTRIBUTES	313063	EIV	EIV	J6R
04FE10	R	05	-	-	13806233 - RELEASED	313197	AVE	AVE	KEL
26MY10	R	06	-	-	UPDATED PDM ATTRIBUTES	314449	JJD	GAV	J6
14JUL10	R	07	-	-	ALL PARTS - DWG UPDATED TO LATEST PRINT	314947	JJD	VMC	RC6
24MR11	R	08	-	-	"SHT 1 OF 3" WAS "SHT 1 OF 2"; REVISED NOTES & CHART; 13805375-76 - WERE ADDED; 13827658 - RELEASED	317641	JJD	JUD	JEP
05MY11	R	09	-	-	ALL PARTS - DWG UPDATED TO LATEST PRINT	318185	JJD	JUD	SM
12JUL11	R	10	-	-	UPDATED PDM ATTRIBUTES	319029	ABO	ABO	JTC
06DE12	R	11	-	-	ADDED SHT 1; "SHT 2" WAS "SHT 1"; REVISED NOTES; 13972933 & 13972928 - RELEASED	323464	GAV	GAV	JSS
12AP13	R	12	-	-	15504560, 15521513, 15521515, 15521519, 15521522, 15540784 & 15540786 - RELEASED; ALL PARTS - UPDATED MVL PASTE UP DWG TO REV G AND ADDED INSPECTION SYMBOLS	421194	CGD	JAA	DAB
17SE13	R	13	-	-	13579640, 13827658 & 15504560 - BASE MAT'L SPEC WAS M6595AX1; 15540786 - PLATED PARTIALLY NOTCHED, FORMED RIBS MAT'L SPEC WAS M6595AX1	423860	CGD	JAA	DAB

DELPHI

DELPHI PACKARD ELECTRICAL/ELECTRONIC ARCHITECTURE

WARREN, OH

COPYRIGHT 2006 DELPHI CORPORATION 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 CONTENTS TO ANY OTHERS, WITHOUT EXPRESS AUTHORIZATION, IS PROHIBITED.

PART DRAWING

SCALE

DATE

DR

APV1 VALLEJO, ABRAHAM

APV2 VALLEJO, ABRAHAM

APV3 GARCIA, DANIEL

APV4

APV5

UNLESS OTHERWISE SPECIFIED THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5M-1994 AS MODIFIED BY THE 2003 DIMENSIONING AND TOLERANCE PRACTICES (ASME Y14.5M-2003). SEPARATE PATTERNS OF FEATURES MAY BE MAILED SEPARATELY. RESPONSIBILITY OF DATA REFERENCES.

ALL DIMENSIONS ARE IN MILLIMETERS

REFERENCE

DRAWING NAME

TAXI ASM TERM F APEX 1.2

DRAWING NUMBER

13589458

SHEET NO 1 OF 2

REV 1

DATE 13-11-13

13589458-0001-0002 Date: 17-Sep-13 Time: 07:32
 13589458-0001-0002 Date: 17-Sep-13 Time: 07:32

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Automotive Connectors](#) category:

Click to view products by [APTIV](#) manufacturer:

Other Similar products are found below :

[003-018-000](#) [60403001](#) [60993906-B](#) [629515004020001](#) [M902-2131](#) [M902-2161](#) [72.330.1035.1](#) [73.353.4028.0](#) [F119300-B](#) [F166900](#)
[F258300-B](#) [F358300-B](#) [F407400](#) [F444110](#) [F487000](#) [F509500B-B](#) [827153-1](#) [8N1515-32-24P](#) [9-1326729-8](#) [925474-1](#) [928905-1](#) [964562-4](#)
[968782-1](#) [GT17SA-8DS-HU](#) [98891-1012](#) [98947-1016](#) [12004475-L](#) [12010290](#) [12010309-B](#) [12015454](#) [12020219-B](#) [12020308](#) [12041318-B](#)
[12052225-L](#) [12052466](#) [12059125](#) [12064869](#) [12004327-B](#) [12010503-B](#) [12015308](#) [12015384](#) [12015909](#) [1-21030-1](#) [12041254](#) [12041318](#)
[12047946-B](#) [12047957](#) [12047957-L](#) [12059473](#) [12066261](#)