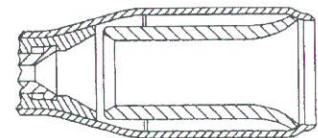
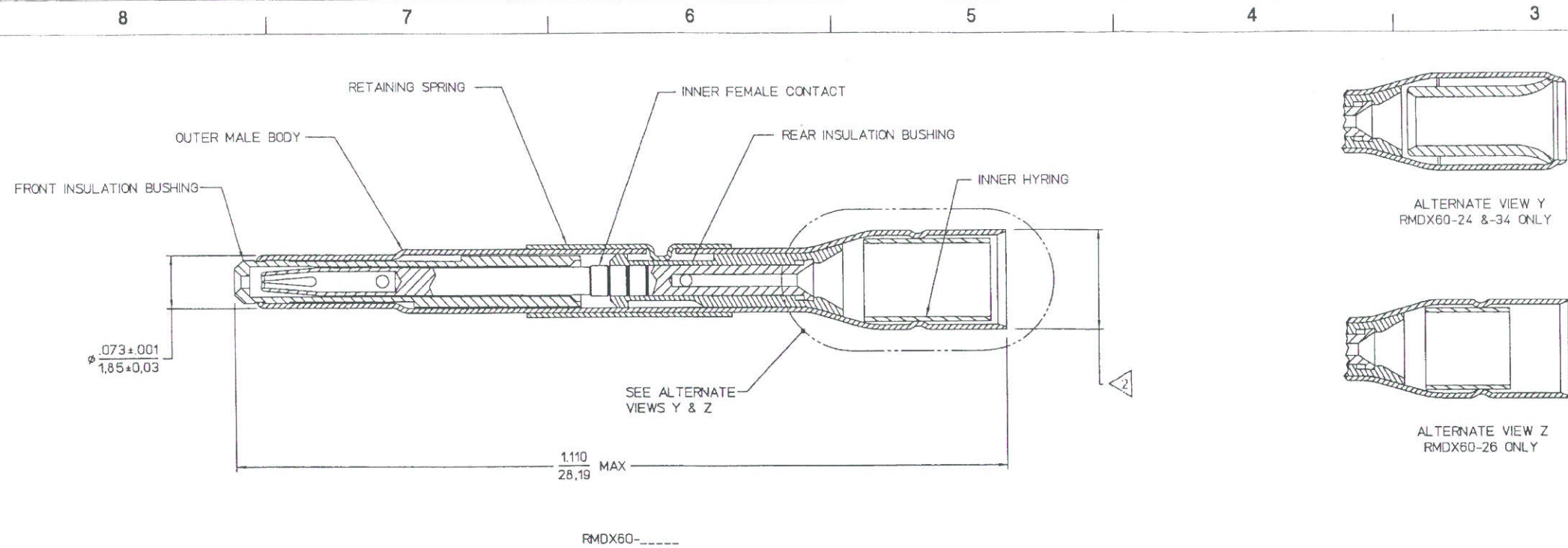
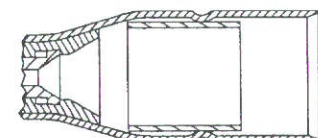


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AMERICAN ELECTRONIC CORPORATION AND THE CONTROLLING DOCUMENT
CONTROL CENTER SHOULD BE CONSULTED FOR THE LATEST REVISION



ALTERNATE VIEW Y
RMDX60-24 & -34 ONLY



ALTERNATE VIEW Z
RMDX60-26 ONLY

NOTES: UNLESS OTHERWISE SPECIFIED,

1. INTERPRET THIS DRAWING IN ACCORDANCE WITH ANSI Y14.5M-1982.

ENGINEERING REQUIREMENTS:

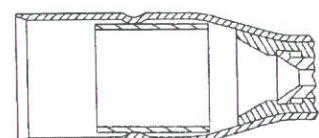
- THERE SHALL BE NO ARCING OR FLASHOVER WHEN A 450 VAC(RMS) IS APPLIED BETWEEN THE INNER AND OUTER CONTACTS IN THE FOLLOWING MANNER: VOLTAGE TO INCREASE FROM 0-450 VAC AT A RATE OF 100 VOLTS PER SECOND AND THEN MAINTAINED FOR ONE MINUTE. THIS IS A DESTRUCTIVE TEST.
- AFTER CRIMPING A TERMINATED CONTACT MUST PASS THROUGH A .1270 $\pm$.0002 [3.226 $\pm$.0005] DIA X .750 [19.05] THK RING GAGE WITH A 5 LB. MAX. FORCE
- THE INNER MALE CONTACT IS TO BE RECESSED WITHIN THE OUTER FEMALE BODY A MINIMUM OF .005 [0.13] BEFORE CRIMPING AND .005 [0.13] TO .040 [1.02] AFTER CRIMPING.
- CONTACT RETENTION AFTER 5 INSERTION AND WITHDRAWAL CYCLES SHALL BE 15 LBS. MINIMUM.
- ORANGE PEELING DUE TO CRIMPING IS ACCEPTABLE.
- WIRE ACCOMMODATIONS SEE SHEET 2.

MATERIAL:

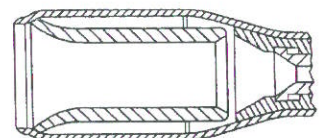
OUTER CONTACTS- BRASS PER FED SPEC QQ-B-626
INNER CONTACTS- BRASS PER FED SPEC QQ-B-626 OR BERYLLIUM COPPER PER FED SPEC QQ-C-533
FRONT INSULATION BUSHING- NYLON, COLOR-RED
REAR INSULATION BUSHING- NYLON, COLOR-NATURAL
RETAINING SPRING- BERYLLIUM COPPER PER FED SPEC QQ-C-533
INNER HYRING- BRASS PER FED SPEC QQ-B-626

FINISH:

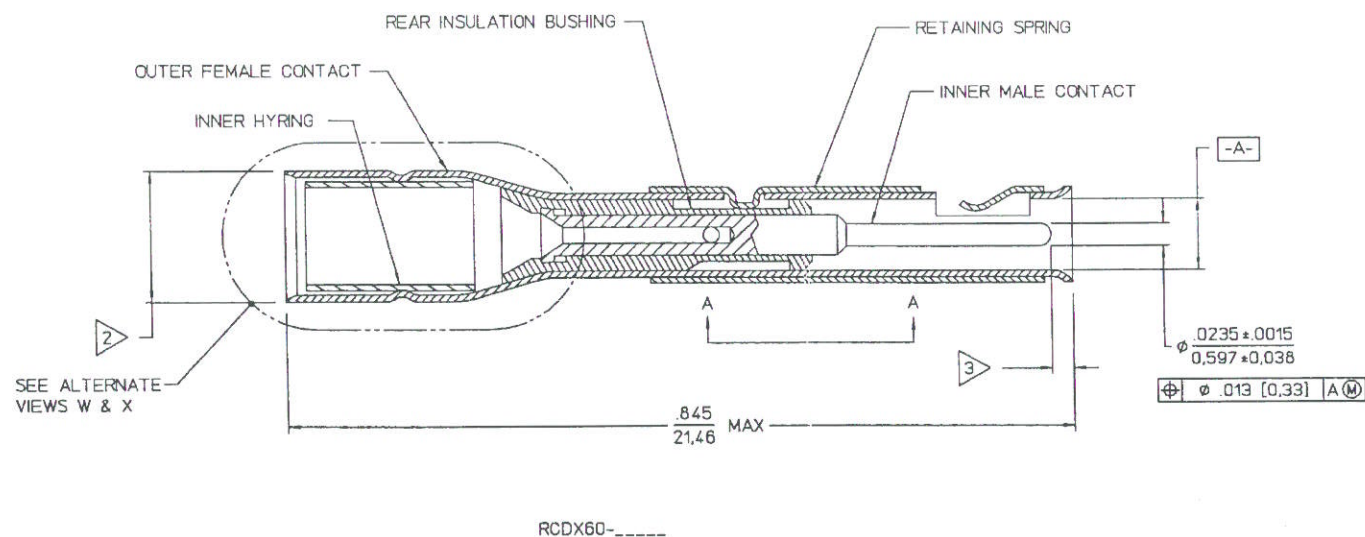
CONTACTS- SEE PLATING TABLE
RETAINING SPRING- NICKEL PLATED
INNER HYRING- SOLDER PLATED



ALTERNATE VIEW W
RCDX60-26 ONLY

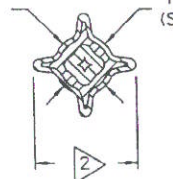


ALTERNATE VIEW X
RCDX60-24 & -34 ONLY



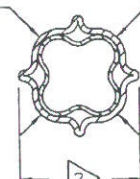
RCDX60-24 & -34 ONLY

'T' DIMENSION (SEE SHEET 2)

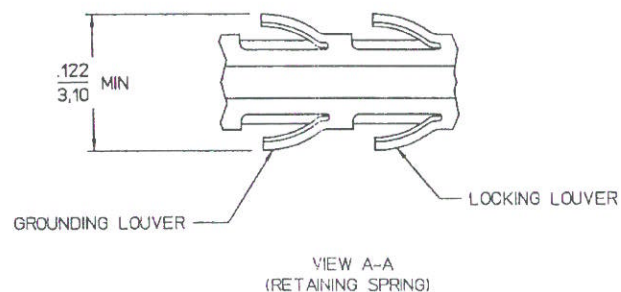


INNER CONDUCTOR
CRIMP MEASUREMENT

'T' DIMENSION (SEE SHEET 2)



BRAID CRIMP MEASUREMENT



SUPERSEDES SD76413-30

REV	DESCRIPTION	BY	DATE	CHKD	DATE	SHEET	ZONE
34	RAYCHEM 5026E1814 AWG SIZE 26 WAS .083. OUTER JACKET .083 NDA WAS .083. INNER CONDUCTOR SIZE 7/.0067 WAS 19/.005. JUD. C15013010502. OUTER JACKET .087 WAS .083. INNER CONDUCTOR SIZE 7/.0067 WAS 19/.005. (ECN 4382)	DAF	8-13-99	DAF	8-23-99	SHEET NO.2	ZONE
33	ADDED RAYCHEM 5026E1814 & JUD. C15013010502. CABLE PER (ECN 4385)	DAF	8-28-99	DAF	8-28-99	SHEET NO.2	ZONE
32	ADDED CONN AWG SIZE 24 CA W/ RAYCHEM 5024A31111 & DMS. PER (ECN 3350)	DAF	7-28-99	RXS	7-28-99	SHEET NO.2	ZONE
31	REDRAWN ON E SIZE NO CHANGE (ECN3155)	DAF	7-16-94	RXS	7-16-94	SHEET NO.2	ZONE

LINEAR MEASURE	INCH (mm)
THIRD ANGLE PROJECTION	
TOLERANCES UNLESS OTHERWISE SPECIFIED	
NO. OF PLACES	INCH (mm)
ONE PLACE	.1 (2.5)
TWO PLACES	.002 (0.05)
THREE PLACES	.0005 (0.013)
ANGLES	1°

FCI Electronics Systems Division

SOURIAU

APPROVAL	DATE	REVISION
DRAWN: POP 12-18-73		
CHKD: LAS 11-12-74		
DSGN: LAS 11-12-74		
MR: MD 12-22-94		
DD: BH 12-22-74		
DRAWING NO.	SE76413	34
SHEET 1 OF 3		

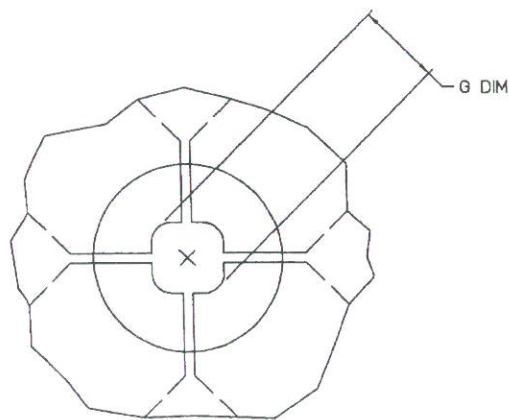
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C

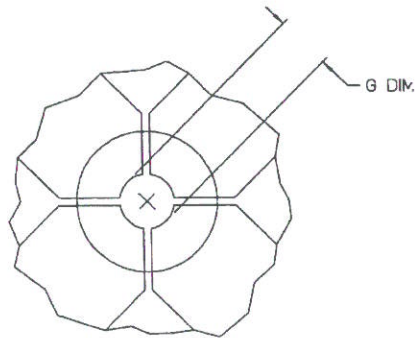
B

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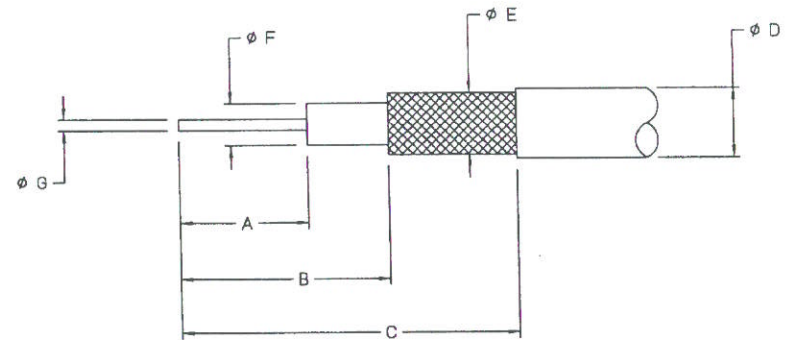
WIRE ACCOMMODATION TABLE											INSTALLATION TOOLING DATA (USE M10S, BM10S)							
INNER CONDUCTOR AWG SIZE	CABLE	OUTER JACKET MAX DIA (ØD)	DIELECTRIC DIA (Ø F)	INNER CONDUCTOR SIZE (Ø G)	OUTER BRAID DIA (Ø E)	CABLE STRIP LENGTH			COAX CONTACT ASSEMBLY (SEE PLATING TABLE SHT 2)		DIE SET	STOP BUSHING	INNER CONDUCTOR CRIMP		BRAID CRIMP		MIN INNER PULL OUT AFTER CRIMPING	MIN BRAID PULL OUT AFTER CRIMPING
						A	B	C	MALE	FEMALE			G DIM	T DIM	G DIM	T DIM		
30	CDC PIN 22939200	.090 [2.29]	.048 [1.22]	7/004 .012 [0.30] DIA	.064 [1.63]	.165 [4.19]	.235 [5.97]	.335 [8.51]	RMDX60-46	RCDX60-16	S-87	SL-105	.051/.046 [1.30/1.17]	.055/.048 [1.40/1.22]	.109/.104 [2.77/2.64]	.119/.112 [3.02/2.84]	4.1 LBS.	18 LBS.
30	CDC PIN 22939200	.090 [2.29]	.048 [1.22]	7/004 .012 [0.30] DIA	.064 [1.63]	.165 [4.19]	.235 [5.97]	.335 [8.51]	RMDX60-50	RCDX60-16	S-87	SL-105	.051/.046 [1.30/1.17]	.055/.048 [1.40/1.22]	.109/.104 [2.77/2.64]	.119/.112 [3.02/2.84]	4.1 LBS.	18 LBS.
30	CDC PIN 245670000	.104 [2.64]	.067 [1.70]	7/004 .012 [0.30] DIA	.083 [2.11]	.200 [5.08]	.250 [6.35]	.350 [8.89]	RMDX60-50	RCDX60-16	S-80	SL-105	.051/.046 [1.30/1.17]	.055/.048 [1.40/1.22]	.117/.112 [2.97/2.84]	.123/.116 [3.12/2.95]	4.1 LBS.	18 LBS.
30	KX21TVT (EUROPE) RG176 B/U	.075 [1.91]	.034 [0.86]	7/004 .012 [0.30] DIA	.054 [1.37]	.200 [5.08]	.250 [6.35]	.350 [8.89]	RMDX60-34	RCDX60-34	S-84	SL-105	.051/.046 [1.30/1.17]	.052/.046 [1.32/1.17]	.112/.108 [2.84/2.74]	.121/.114 [3.07/2.90]	4.7 LBS.	11 LBS.
30	RG178 B/U	.075 [1.91]	.034 [0.86]	7/004 .012 [0.30] DIA	.054 [1.37]	.200 [5.08]	.250 [6.35]	.350 [8.89]	RMDX60-50	RCDX60-16	S-87	SL-105	.051/.046 [1.30/1.17]	.055/.048 [1.40/1.22]	.109/.104 [2.77/2.64]	.119/.112 [3.02/2.84]	4.1 LBS.	8 LBS.
28	AMPEX	.114 [2.90]	.075 [1.91]	7/005 .015 [0.38] DIA	.090 [1.29]	.200 [5.08]	.250 [6.35]	.460 [11.68]	RMDX60-32	RCDX60-32	S-80	SL-105	.051/.046 [1.30/1.17]	.055/.048 [1.40/1.22]	.117/.112 [2.97/2.84]	.123/.116 [3.12/2.95]	3.7 LBS.	18 LBS.
26	T.I. PN 920580	.070 [1.78]	.038 [0.96]	7/0063 .019 [0.48] DIA	.054 [1.37]	.200 [5.08]	.250 [6.35]	.350 [8.89]	RMDX60-24	RCDX60-24	S-82	SL-105	.053/.047 [1.35/1.19]	.056/.050 [1.42/1.27]	.113/.108 [2.87/2.74]	.121/.114 [3.07/2.90]	5.8 LBS.	14 LBS.
26	RG174/U	.115 [2.92]	.060 [1.52]	7/0063 .019 [0.48] DIA	.088 [2.24]	.200 [5.08]	.250 [6.35]	.460 [11.68]	RMDX60-32	RCDX60-32	S-80	SL-105	.051/.046 [1.30/1.17]	.055/.048 [1.40/1.22]	.117/.112 [2.97/2.84]	.123/.116 [3.12/2.95]	8.0 LBS.	14 LBS.
26	HONEYWELL PN 58000062	.120 [3.05]	.077 [1.96]	.016 [0.41] DIA SOLID	.096 [2.44]	.200 [5.08]	.250 [6.35]	.350 [8.89]	RMDX60-26	RCDX60-26	S-82	SL-105	.053/.047 [1.35/1.19]	.056/.050 [1.42/1.27]	.113/.108 [2.87/2.74]	.121/.114 [3.07/2.90]	10.5 LBS.	18 LBS.
26	RG188A/U	.110 [2.79]	.060 [1.52]	7/0067 .020 [0.51] DIA	.078 [1.98]	.200 [5.08]	.250 [6.35]	.460 [11.68]	RMDX60-36	RCDX60-36	S-80	SL-105	.051/.046 [1.30/1.17]	.055/.048 [1.40/1.22]	.117/.112 [2.97/2.84]	.123/.116 [3.12/2.95]	10.5 LBS.	18 LBS.
26	RG316/U	.107 [2.72]	.060 [1.52]	7/0067 .020 [0.51] DIA	.078 [1.98]	.200 [5.08]	.250 [6.35]	.460 [11.68]	RMDX60-36	RCDX60-36	S-80	SL-105	.051/.046 [1.30/1.17]	.055/.048 [1.40/1.22]	.117/.112 [2.97/2.84]	.123/.116 [3.12/2.95]	10.5 LBS.	18 LBS.
26	PRD PN 247AS-C1123-001	.103 [2.62]	.060 [1.52]	7/0067 .020 [0.51] DIA	.078 [1.98]	.200 [5.08]	.250 [6.35]	.350 [8.89]	RMDX60-18	RCDX60-18	M10S08 ASS'Y TOOL DIE SET STOP BUSHING M10S-1 TOOL		.048/.046 [1.22/1.17]	.053/.048 [1.35/1.22]	.115/.110 [2.92/2.79]	.123/.117 [3.12/2.97]	10.5 LBS.	18 LBS.
24	PRD PN 247AS-C1251	.092 [2.34]	.050 [1.27]	19/005 .025 [0.64] DIA	.067 [1.70]	.200 [5.08]	.250 [6.35]	.350 [8.89]	RMDX60-18	RCDX60-18			.048/.046 [1.22/1.17]	.053/.048 [1.35/1.22]	.115/.110 [2.92/2.79]	.123/.117 [3.12/2.97]	9.0 LBS.	18 LBS.
24	RAYCHEM 5024A3111	.120 [3.05]	.083 [2.11]	19/005 .025 [0.64] DIA	.097 [2.46]	.200 [5.08]	.250 [6.35]	.460 [11.68]	RMDX60-52	RCDX60-52	S-88	SL-105	.054/.050 [1.37/1.27]	.057/.052 [1.45/1.32]	.115/.110 [2.92/2.79]	.117/.112 [2.97/2.84]	9.0 LBS.	20 LBS.
26	RAYCHEM 5026E1614	.083 [2.11] NOM.	.050 [1.27]	7/0067 .019 [0.48] DIA	.067 [1.70]	.200 [5.08]	.250 [6.35]	.350 [8.89]	RMDX60-36	RCDX60-36	M10S08 ASS'Y TOOL DIE SET STOP BUSHING M10S-1 TOOL		.048/.046 [1.22/1.17]	.053/.048 [1.35/1.22]	.115/.110 [2.92/2.79]	.123/.117 [3.12/2.97]	12.5 LBS.	8.1 LBS.
26	JDD C15013010902	.087 [2.13]	.050 [1.27]	7/0067 .019 [0.48] DIA	.066 [1.67]	.200 [5.08]	.250 [6.35]	.350 [8.89]	RMDX60-36	RCDX60-36			.048/.046 [1.22/1.17]	.053/.048 [1.35/1.22]	.115/.110 [2.92/2.79]	.123/.117 [3.12/2.97]	12.5 LBS.	9.6 LBS.



BRAID CRIMP (G DIM) TO BE MEASURED WITH DIE SET FULLY CLOSED



INNER CONDUCTOR CRIMP (G DIM) TO BE MEASURED WITH DIE SET FULLY CLOSED



WIRE DIMENSIONS

LINE NUMBER	INCH (MM)
THIRD ANGLE PROJECTION	
TOLERANCES UNLESS OTHERWISE SPECIFIED	
INCH (MM)	
ONE PLACE	±.1 (.2)
TWO PLACES	±.02 (.05)
THREE PLACES	±.005 (.013)
ANGLES	

REV	DESCRIPTION	BY DATE	CHKD DATE	SHEET NO.	ZONE
REVISION					
MONOCRIMP SUBMIN COAX CONTACTS					
CAT NO. RC/RMDX60-... (SEE TABLE)					
DWO RELEASED TO CENTRAL FILE					
ECON 315A PO: 820 SIZE: Q					
FCI Electronics Systems Division					
SOURIAU					
DRAWING NO. REV					
SE76413 34					
SHEET 2 OF 3					

D

C

B

A

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C

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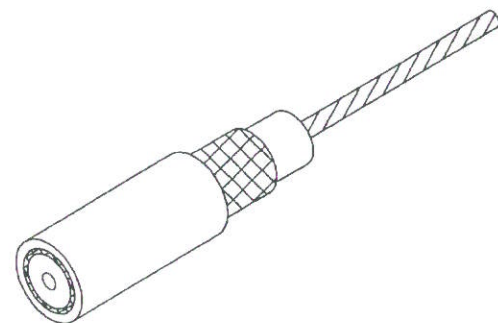
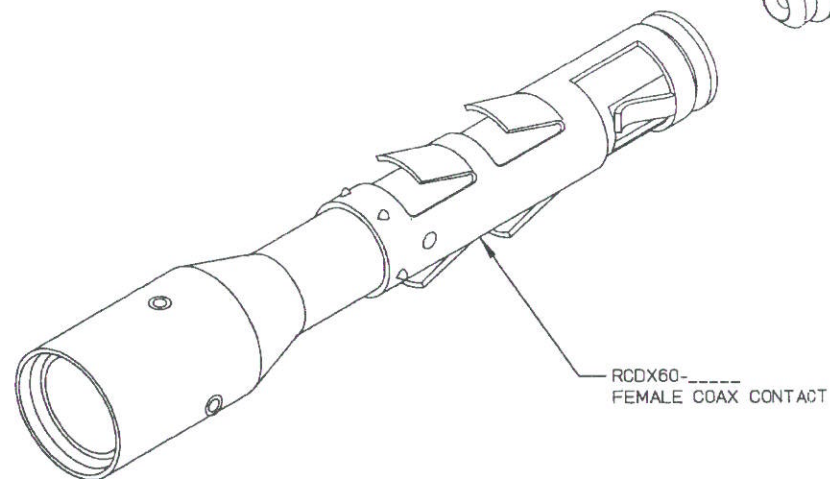
MONOCRIMP SUBMIN COAX CONTACT AND CABLE INSTALLATION PROCEDURE

1. SELECT THE APPROPRIATE MONOCRIMP SUBMIN COAX CONTACT AND CABLE COMBINATION AS SPECIFIED ON SHEET 2.
2. SELECT THE APPROPRIATE CRIMP TOOLING, M10S HAND TOOL, S-DIE, AND STOP BUSHING FOR THE CONTACT AND CABLE DESIGNATION AS PREVIOUSLY SELECTED.
3. STRIP COAX CABLE TO THE DESIGNATED WIRE STRIP LENGTHS FOR THE SELECTED CABLE AS DESCRIBED ON SHEET 2.
4. INSERT THE PREVIOUSLY STRIPPED COAX CABLE INTO THE REAR OF THE CONTACT ASSEMBLY.
5. INSERT THE RCDX60-_____ OR RMDX60-_____ CONTACT INTO THE PROPER CRIMP TOOL ASSEMBLY AND TERMINATE.

TYPICAL CATALOG NUMBER DESCRIPTION

COAX CONTACT ASSEMBLY (SEE SHEET 2) RMDX60-48D28 PLATING DESIGNATION

PLATING TABLE	
CATALOG NUMBER	PLATE PER BURNDY SPEC F450
RC/RMDX60-__D45	TYPE D45-.000050 [0.00127] MIN HARD GOLD OVER .000075 [0.00191] MIN NICKEL
RC/RMDX60-__D28	TYPE D28-.000030 [0.00076] MIN HARD GOLD OVER .000075 [0.00191] MIN NICKEL



REV	DESCRIPTION	BY	CHKD	SHEET	ZONE
		DATE	DATE	NO.	
REVISION					
MONOCRIMP SUBMIN COAX CONTACTS					
CAT NO. RC/RMDX60-_____ (SEE TABLE)					
QMD RELEASED TO CENTRAL FILE					
DATE NO. ECN 3158 PD 828 SIZE D					
FCI Electronics Systems Division					
SOURIAU					
DRAWN: POP 12-18-73					
CHKD: LAS 11-12-74					
DSGN: LAS 11-12-74					
MFG: MO 12-22-94					
QC: BH 12-22-74					
DRAWING SCALE: NONE					
DRAWING NO. SE76413					
SHEET 3 OF 3					

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