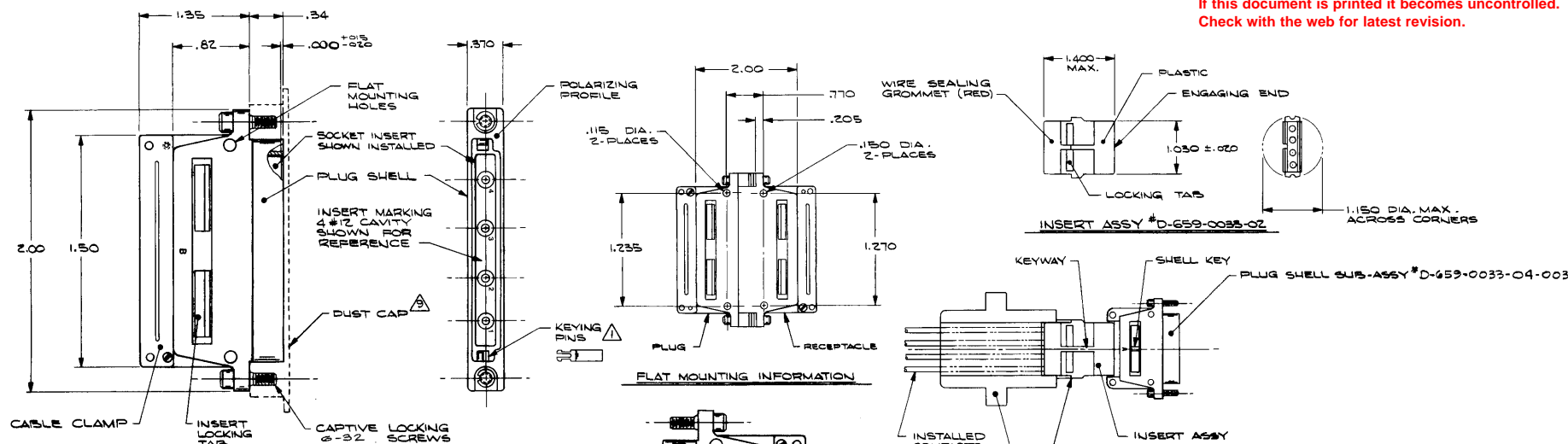


REVISIONS		DATE	APPROVED
ZONE	LT#	DESCRIPTION	
B	1	REVISE PER DCR# T-25607	2/12/2001 M.HIGGY

If this document is printed it becomes uncontrolled.  
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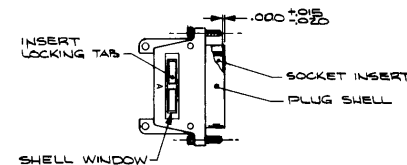


# NOTES:

1. KEYING CODE DOES NOT FORM A PART OF RAYCHEM PART NUMBER SYSTEM AND SHOULD BE OMITTED WHEN ORDERING. KEYING PINS ARE SUPPLIED UN-INSTALLED.
2. CONNECTOR ASSEMBLY SUPPLIED IN KIT FORM AND SHALL BE ASSEMBLED BY USER. THE COMPLETED ASSEMBLY DESIGNED TO MEET APPLICABLE REQUIREMENTS OF SPECIFICATION D-6007.
  - KIT INCLUDES:
    - a) PLUG SHELL SUB-ASSY (INCLUDES ASSEMBLED JACKSCREW LOCKING MECHANISM).
    - b) INSERT SUB-ASSEMBLY \*D-659-0033-02
    - c) CABLE CLAMP AND BUSHING
    - d) CABLE CLAMP SCREWS
    - e) KEYING PINS
3. CONNECTOR COMPONENTS AND ACCESSORIES ARE INDIVIDUALLY BAGGED AND LABELED.
4. REAR GROMMET INSERT WILL SEAL ON SMOOTH INSULATION FROM .097 TO .156 O.D.
5. CONNECTOR DESIGNED FOR USE WITH POWER AND SHIELDED CONTACTS PER TABLE I.
6. ALL UNUSED CAVITIES TO BE SEALED USING SEALING PLUG NUMBER M83723-28-12.
7. ALL CONTACTS SIZE 12 POWER OR COAX SHIELDED MAY BE INSERTED AND REMOVED USING TOOL NUMBER M83723-31-12.
8. REFER TO RAYCHEM SPECIFICATION D-6007 FOR COMPLETE DETAILS.
9. CONNECTOR SUPPLIED WITH A SHIPPING DUST CAP OVER ENGAGING END.
10. INSERT ASSEMBLY TO BE INSTALLED USING TOOL AD-1521-S.
11. MATES WITH RECEPTACLE CONNECTOR NUMBER MTC CIR-COAX OIP-01.
12. CONNECTOR MATING REQUIREMENTS: 9 in. lbs. TORQUE FOR CAPTIVE LOCKING SCREW.
13. CADMIUM PLATE IS PER QQ-P-416 OVER NICKEL UNDERPLATE.
14. DIMENSIONS WITHOUT TOLERANCES ARE TO BE CONSIDERED FOR REFERENCE ONLY.

## INSERT INSTALLATION PROCEDURE:

1. POSITION AD-1521-S TOOL AGAINST INSERT SHOULDER.
2. ALIGN INSERT KEYWAY WITH KEY IN PLUG SHELL SUB-ASSY.
3. PUSH TOOL AND INSERT INTO PLUG SHELL UNTIL INSERT BOTTOMS IN SHELL AND THE LOCKING TABS ARE POSITIONED INTO THE SHELL WINDOW.
4. CHECK FOR PROPER INSERT LOCATION DIMENSION.



## INSERT POSITION IN SHELL

## SPECIFICATION CONTROL DRAWING

TABLE I SOCKET CONTACT AND TOOLING INFORMATION			
CONTACT TYPE	MILITARY PART NO.	WIRE STRIP LENGTH	TERMINATION TOOL
SHIELDED CONTACT FOR COAX CABLE D-602-0095 OR D-602-0107	—	SEE DRAWING D-602-0095 OR D-602-0107	SEE DRAWING D-602-0095 OR D-602-0107
CONTACT FOR TWISTED PAIR D-602-0105	—	SEE DRAWING D-602-0105	SEE DRAWING D-602-0105
POWER CONTACT SIZE 12	M83723-31-12	1/4" TO 5/16"	M22525/1-01 POSITIONER M22525/1-02

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE: XXX ± .01 XX ± .005 X ± .001	DRAWN		TYCO/ELECTRONICS/RAYCHEM WIRE AND HARNESSING PRODUCTS 307 CONSTITUTION DRIVE MENLO PARK, CALIFORNIA 94025
	CHECKED		
	APPROVED		
	APPROVED		
MATERIAL	APPROVED		TITLE KIT, CONNECTOR, PLUG, RECTANGULAR, ENVIRONMENTAL, LOOSE SOCKET INSERT & KEYING PINS ONE INCH MTC SERIES CADMIUM PLATED
FINISH	APPROVED		
PART NUMBER	50268		
PROJECT	50268		
SIZE	D	NO 06990	DWG. NO. D-659-0033-003 B
SCALE		WEIGHT	SHEET OF

DO NOT SCALE THIS DRAWING

NEXT ASSY USED ON APPLICATION