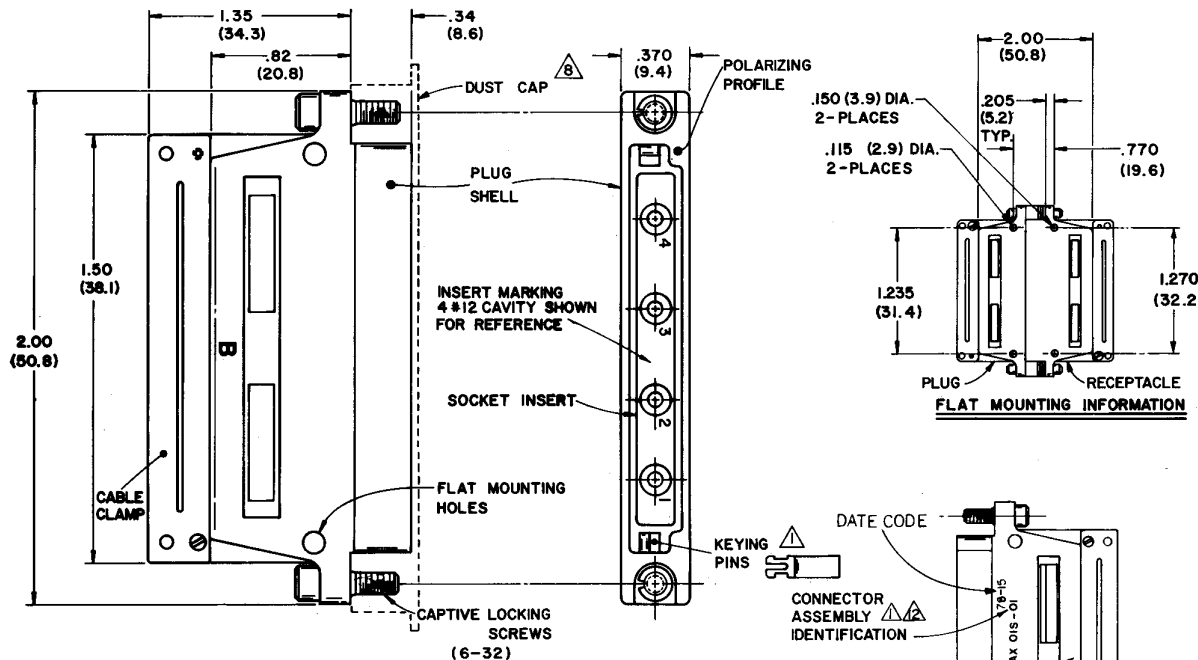




REVISIONS		DATE	APPROVED
1	REVISED PER ECR# T-6235	2/21/00	M. HIGGY
2	REVISED PER DCR# T-28702	2/21/2001	M. HIGGY

SOCKET CONTACT AND TOOLING INFORMATION

TABLE I			
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	M39029/5-12-12	1/4" TO 5/16"	M22520/1-01 POSITIONER M22520/1-02

TABLE II
KEYING CODE CHART

PART NUMBER	XX	POSITION OF KEYS
MTC XIP-COAX OIS-OI	AA	
	AB	
	AC	
	AD	
	BA	
	BB	
	BC	
	BD	
	CA	
	CB	
	CC	
	CD	
	DA	
	DB	
	DC	
	DD	
MTC XIP-COAX OIS-OI		

NOTES:

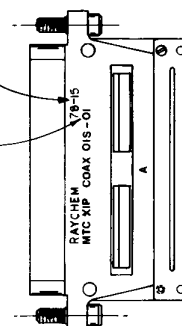
- KEYING CODE DOES NOT FORM A PART OF RAYCHEM PART NUMBER SYSTEM AND SHOULD BE OMITTED WHEN ORDERING. KEYING PINS SUPPLIED UN-INSTALLED. SEE TABLE II FOR KEYING POSITIONS.
- COMPLETE CONNECTORS AND ACCESSORIES ARE INDIVIDUALLY BAGGED AND LABELED.
- REAR GROMMET INSERT WILL SEAL ON SMOOTH INSULATION FROM .097" TO .158" O.D.
- CONNECTOR DESIGNED FOR USE WITH POWER AND SHIELDED CONTACTS PER TABLE I.
- INSERTS ARE PERMANENTLY INSTALLED, CONTACTS MAY BE INSERTED AND REMOVED USING TOOL PER NOTE 8.
- ALL UNUSED CAVITIES TO BE SEALED USING SEALING PLUG NUMBER M83723-28-12.
- ALL CONTACTS SIZE 12 ARE INSERTED AND REMOVED USING TOOL NUMBER M83723-31-12.

- CONNECTOR SUPPLIED WITH A SHIPPING DUST CAP OVER ENGAGING END.
- CONNECTOR PLUG PART NO. MTCXIP-COAX OIS-OI-AA. AA = KEYING CODE.
- MATES WITH RECEPTACLE CONNECTOR NO. MTCXIR-COAX OIP-OI.
- CONNECTOR MATING REQUIREMENTS: 9 in. lbs. TORQUE FOR CAPTIVE LOCKING SCREWS.
- PART NUMBER VARIABLE:

MTC XIP-COAX OIS-OI
 B = NICKEL PLATE PER MIL-C-26074
 C = CADMIUM PLATE PER QQ-P-416 OVER NICKEL UNDERPLATE

13. DIMENSIONS WITHOUT TOLERANCES ARE TO BE CONSIDERED FOR REFERENCE ONLY.

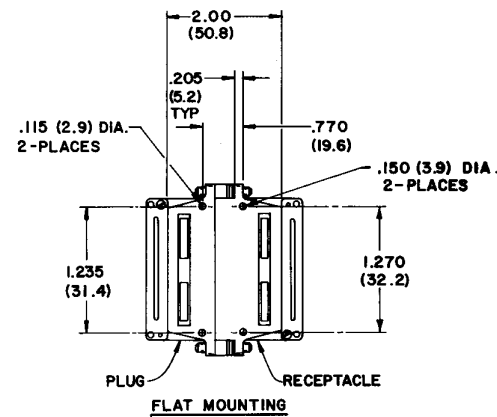
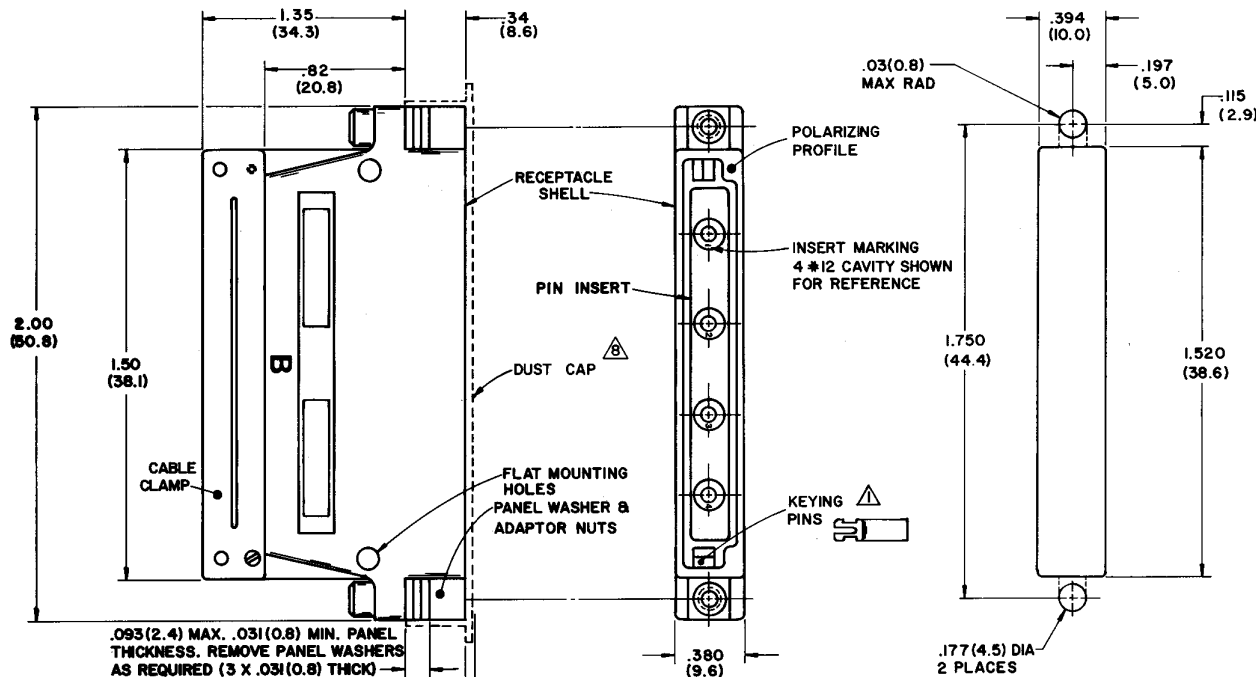
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SPECIFICATION CONTROL DRAWING

ITEM	REV	PART NUMBER	ENG. OR SPEC	DESCRIPTION
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:				
DRAWN: CRN 140-17				
CHECKED: 6/1/00				
APPROVED: 2-24-00				
APPROVED: 6-1-00				
APPROVED: 6-9-00				
MATERIAL: 6061-T6				
FINISH: 6061-T6				
CAD FILE: T28702a.b.c.d.tif				
PROJECT: 6441-6037				
DO NOT SCALE THIS DRAWING				
NEXT ASSY: USED IN: APPLICATION:				
TITLE: CONNECTOR, PLUG, RECTANGULAR ENVIRONMENTAL, FIXED SOCKET INSERT - ONE INCH MTC SERIES				
WIRE AND HARNESSING PRODUCTS 807 CONSTITUTION DRIVE WILCO PARK, CALIFORNIA 94025				
SIZE: CODE IDENT: DWG NO: D-652-0004				
SCALE: WEIGHT: SHEET: OF 4				



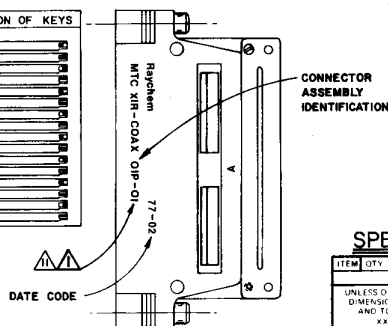
PIN CONTACT AND TOOLING INFORMATION

TABLE I

CONTACT TYPE	MILITARY PART NO.	WIRE STRIP LENGTH	TERMINATION TOOL
SHIELDED CONTACT FOR COAX CABLE D-602-0106 OR D-602-0094		SEE DRAWING D-602-0106 OR D-602-0094	SEE DRAWING D-602-0106 OR D-602-0094
CONTACT FOR TWISTED PAIR D-602-0104		SEE DRAWING D-602-0104	SEE DRAWING D-602-0104
POWER CONTACT SIZE 12	M39029/4-12-12	1/4" TO 5/16"	M22520/1-01 POSITIONER M22520/1-02

TABLE II
KEYING CODE CHART

PART NUMBER	X X	POSITION OF KEYS
MTC XIR-COAX OIP-01	AA	1
	AB	2
	AC	3
	AD	4
	BA	5
	BB	6
	BC	7
	CA	8
	CB	9
	CC	10
	CD	11
	DD	12
MTC XIR-COAX OIP-01	DD	12



VIEW SHOWING IDENTIFICATION

NOTES:

- KEYING CODE DOES NOT FORM A PART OF RAYCHEM PART NUMBER SYSTEM AND BE OMITTED WHEN ORDERING. KEYING PINS SUPPLIED UN-INSTALLED. SEE TABLE II FOR KEYING POSITIONS.
- COMPLETE CONNECTORS AND ACCESSORIES ARE INDIVIDUALLY BAGGED AND LABELED.
- REAR GROMMET INSERT WILL SEAL ON SMOOTH INSULATION FROM .097" TO .156" O.D.
- CONNECTOR DESIGNED FOR USE WITH POWER AND SHIELDED CONTACTS PER TABLE I.
- INSERTS ARE PERMANENTLY INSTALLED, CONTACTS MAY BE INSERTED & REMOVED USING TOOL PER NOTE 8.
- ALL UNUSED CAVITIES TO BE SEALED USING SEALING PLUG NUMBER M63723-28-12.
- ALL CONTACTS SIZE 12 ARE INSERTED AND REMOVED USING TOOL NUMBER M63723-31-12.
- CONNECTOR SUPPLIED WITH A SHIPPING DUST CAP OVER ENGAGING END.
- CONNECTOR RECEPTACLE PART NO. MTCXIR-COAX OIP-01- AA, AA = KEYING CODE
- MATES WITH PLUG CONNECTOR NO. MTCXIP-COAX OIS-01, PART NUMBER VARIABLE:

MTC XIR-COAX OIP-01
 B-NICKEL PLATE PER MIL-C-26074
 C-CADMIUM PLATE PER QQ-P-416 OVER NICKEL UNDERPLATE

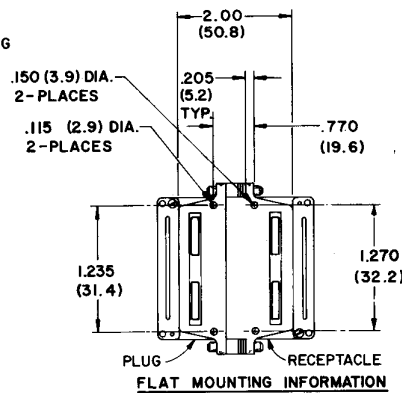
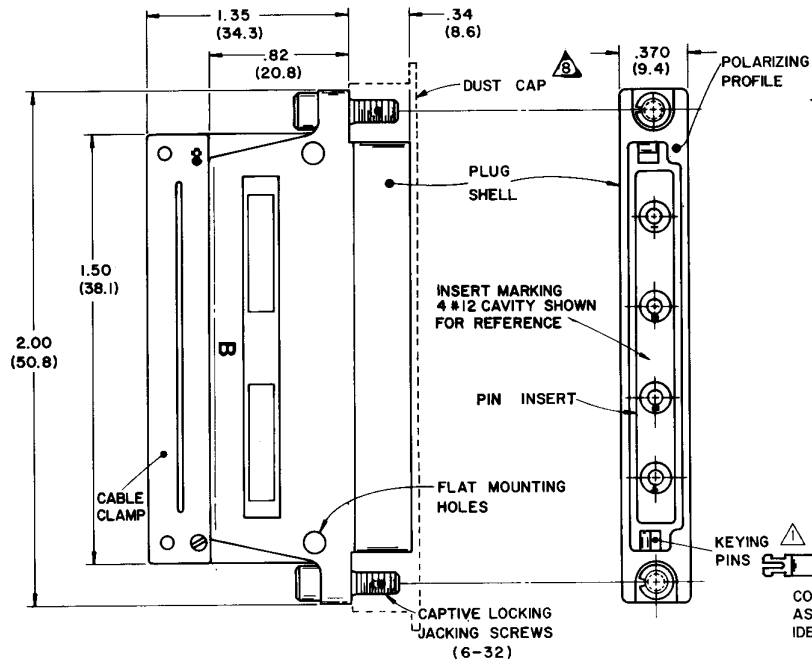
12. DIMENSIONS WITHOUT TOLERANCES ARE TO BE CONSIDERED FOR REFERENCE ONLY.

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SPECIFICATION CONTROL DRAWING

ITEM	QTY	PART NUMBER	DWG OR SPEC	DESCRIPTION
1	1	CRN 77-02		WIRE AND HARNESSING PRODUCTS
2	1	CRN 77-02		TYCOELECTRONICS/RAYCHEM 387 CONSTITUTION DRIVE
3	1	CRN 77-02		BENEO PARK, CALIFORNIA 94025
4	1	CRN 77-02		TITLE
5	1	CRN 77-02		CONNECTOR, RCPT, RECTANGULAR, ENVIRONMENTAL, FIXED PIN INSERT
6	1	CRN 77-02		ONE INCH MTC SERIES
7	1	CRN 77-02		SIZE
8	1	CRN 77-02		CODE IDENT
9	1	CRN 77-02		DWG NO
10	1	CRN 77-02		D
11	1	CRN 77-02		NO 00090
12	1	CRN 77-02		SCALE
13	1	CRN 77-02		WEIGHT
14	1	CRN 77-02		SHEET 2 OF 4

DO NOT SCALE THIS DRAWING	NEXT ASSY	USED ON
	APPLICATION	



ZONE	TR	REVISIONS	DATE	APPROVED
—	—	SEE SHEET 1		

SOCKET CONTACT AND TOOLING INFORMATION

TABLE I

CONTACT TYPE	MILITARY PART NO.	WIRE STRIP LENGTH	TERMINATION TOOL
SHIELDED CONTACT FOR COAX CABLE D-602-0094 OR D-602-0106		SEE DRAWING D-602-0094 OR D-602-0106	SEE DRAWING D-602-0094 OR D-602-0106
CONTACT FOR TWISTED PAIR D-602-0104		SEE DRAWING D-602-0104	SEE DRAWING D-602-0104
POWER CONTACT SIZE 12	M39029/4-12-12	1/4" TO 5/16"	M22520/1-01 POSITIONER M22520/1-02

TABLE II

KEYING CODE CHART

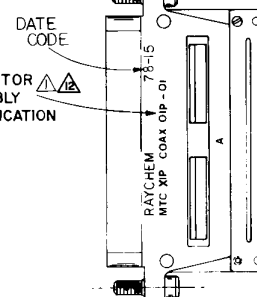
PART NUMBER	X X	POSITION OF KEYS
MTC XIP-COAX OIP-OI	AA	
	AB	
	AC	
	AD	
	BA	
	BB	
	BC	
	BD	
	CA	
	CB	
	CC	
	CD	
	DA	
	DB	
	DC	
MTC XIP-COAX OIP-OI	DD	

NOTES:

- KEYING CODE DOES NOT FORM A PART OF RAYCHEM PART NUMBER SYSTEM AND SHOULD BE OMITTED WHEN ORDERING. KEYING PINS SUPPLIED UN-INSTALLED. SEE TABLE II FOR KEYING POSITIONS.
- COMPLETE CONNECTORS AND ACCESSORIES ARE INDIVIDUALLY BAGGED AND LABELED.
- REAR GROMMET INSERT WILL SEAL ON SMOOTH INSULATION FROM .097" TO .158" O.D.
- CONNECTOR DESIGNED FOR USE WITH POWER AND SHIELDED CONTACTS PER TABLE I.
- INSERTS ARE PERMANENTLY INSTALLED, CONTACTS MAY BE INSERTED AND REMOVED USING TOOL PER NOTE 8.
- ALL UNUSED CAVITIES TO BE SEALED USING SEALING PLUG NUMBER M83723-28-12.
- ALL CONTACTS SIZE 12 ARE INSERTED AND REMOVED USING TOOL NUMBER M83723-31-12.
- CONNECTOR SUPPLIED WITH A SHIPPING DUST CAP OVER ENGAGING END.
- CONNECTOR PLUG PART NO. MTCXIP-COAX OIP-OI-AA. AA=KEYING CODE.
- MATES WITH RECEPTACLE CONNECTOR NO. MTCXIR-COAX OIS-OI.
- CONNECTOR MATING REQUIREMENTS: 9 in. lbs. TORQUE FOR CAPTIVE LOCKING SCREWS.
- PART NUMBER VARIABLE:

MTC XIP-COAX OIP-OI

- B=NICKEL PLATE PER MIL-C-26074
- C=CADMIUM PLATE PER QQ-P-416 OVER NICKEL UNDERPLATE

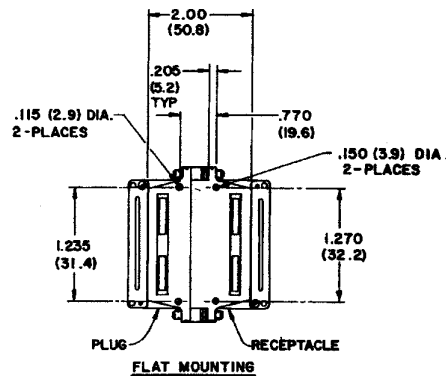
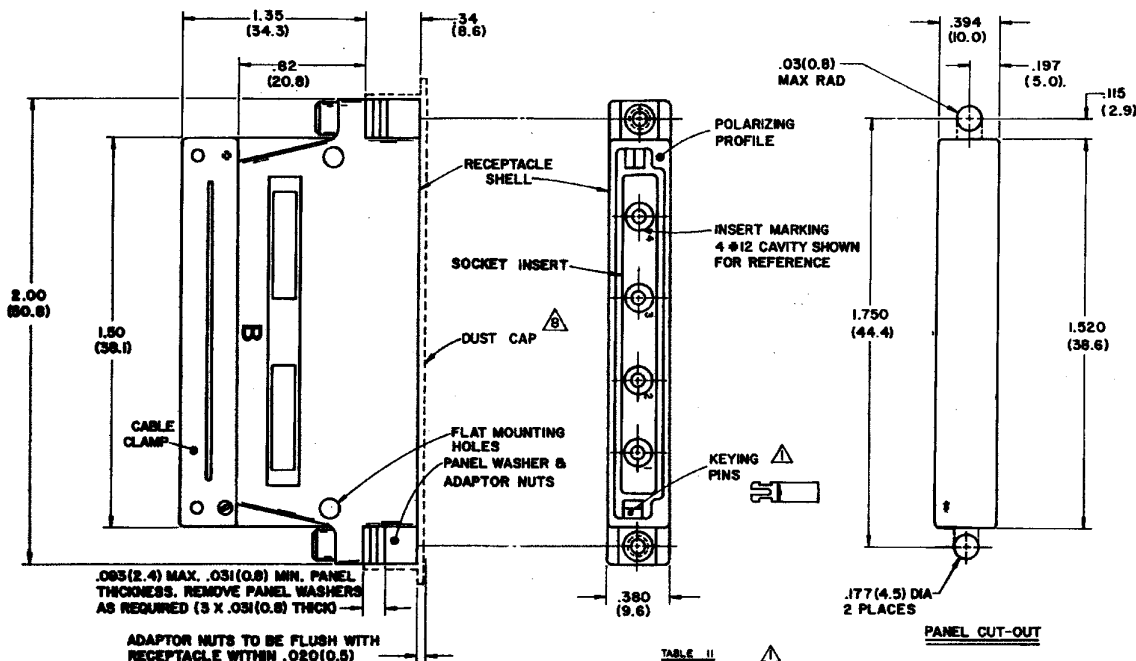


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SPECIFICATION CONTROL DRAWING

DESCRIPTION	
TYCOELECTRONICS/RAYCHEM 307 CONSTITUTION DRIVE MENLO PARK, CALIFORNIA 94025	WIRE AND HARNESSING PRODUCTS
CONNECTOR, PLUG, RECTANGULAR ENVIRONMENTAL, FIXED PIN INSERT - ONE INCH MTC SERIES	
CAD FILE: T28702c.TIF	DWG. NO. D-652-0004
6441-6037	J
WEIGHT	SHEET 3 OF 4



PIN CONTACT AND TOOLING INFORMATION

TABLE I

CONTACT TYPE	MILITARY PART NO.	WIRE STRIP LENGTH	TERMINATION TOOL
SHIELDED CONTACT FOR COAX CABLE D-602-0107 OR D-602-0095		SEE DRAWING D-602-0107 OR D-602-0095	SEE DRAWING D-602-0107 OR D-602-0095
CONTACT FOR TWISTED PAIR D-602-0105		SEE DRAWING D-602-0105	SEE DRAWING D-602-0105
POWER CONTACT SIZE 12	M39029/5-12-12	1/4" TO 5/16"	M22520/1-01 POSITIONER M22520/1-02

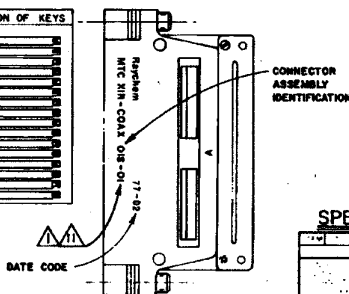
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 Check with the web for latest revision.

SPECIFICATION CONTROL DRAWING

CRN 5-9-71		WIRE AND HARDWARE PRODUCTS	
11/10/71		BY: ELECTRONICS/RAYCHEM	
11/10/71		BY: CONSTITUTION DRIVE	
11/10/71		BERKELEY, CALIFORNIA 94705	
CONNECTOR, RCPT, RECTANGULAR, ENVIRONMENTAL, FIXED SKT INSERT ONE INCH MTC SERIES			
CAD FILE:	T28702L.TIF	DATE:	11/10/71
FILE NO:	6441-6037	REV:	D-652-0004
6441-6037		ALCUNT	

TABLE II
 KEYING CODE CHART

PART NUMBER	KEYING CODE	PORTION OF KEYS
MTX KIR-COAX OIS-OI	AA	1
	AB	2
	AC	3
	AD	4
	AE	5
	AF	6
	AG	7
	AH	8
	AI	9
	AA	10
	AB	11
	AC	12
	AD	13
	AE	14
	AF	15
	AG	16
	AH	17
	AI	18
	AA	19
	AB	20
	AC	21
	AD	22
	AE	23
	AF	24
	AG	25
	AH	26
	AI	27
	AA	28
	AB	29
	AC	30
	AD	31
	AE	32
	AF	33
	AG	34
	AH	35
	AI	36
	AA	37
	AB	38
	AC	39
	AD	40
	AE	41
	AF	42
	AG	43
	AH	44
	AI	45
	AA	46
	AB	47
	AC	48
	AD	49
	AE	50
	AF	51
	AG	52
	AH	53
	AI	54
	AA	55
	AB	56
	AC	57
	AD	58
	AE	59
	AF	60
	AG	61
	AH	62
	AI	63
	AA	64
	AB	65
	AC	66
	AD	67
	AE	68
	AF	69
	AG	70
	AH	71
	AI	72
	AA	73
	AB	74
	AC	75
	AD	76
	AE	77
	AF	78
	AG	79
	AH	80
	AI	81
	AA	82
	AB	83
	AC	84
	AD	85
	AE	86
	AF	87
	AG	88
	AH	89
	AI	90
	AA	91
	AB	92
	AC	93
	AD	94
	AE	95
	AF	96
	AG	97
	AH	98
	AI	99
	AA	100



VIEW SHOWING IDENTIFICATION

- KEYING CODE DOES NOT FORM A PART OF RAYCHEM PART NUMBER SYSTEM AND SHOULD BE OMITTED WHEN ORDERING. KEYING PINS SUPPLIED UN-INSTALLED. SEE TABLE II FOR KEYING POSITIONS.
2. COMPLETE CONNECTORS AND ACCESSORIES ARE INDIVIDUALLY BAGGED AND LABELED.
3. REAR BROADBENT INSERT WILL SEAL ON SMOOTH INSULATION FROM .097" TO .158" O.D.
4. CONNECTOR DESIGNED FOR USE WITH POWER AND SHIELDED CONTACTS PER TABLE I.
5. INSERTS ARE PERMANENTLY INSTALLED, CONTACTS MAY BE INSERTED & REMOVED USING TOOL PER NOTE 8.
6. ALL UNUSED CAVITIES TO BE SEALED USING SEALING PLUG NUMBER M83723-28-12.
7. ALL CONTACTS SIZE 12 ARE INSERTED AND REMOVED USING TOOL NUMBER M83723-31-12.
- CONNECTOR SUPPLIED WITH A SHIPPING DUST CAP OVER ENGAGING END
8. CONNECTOR RECEPTACLE PART NO. MTCXR-COAX OIS-OI-AA. AA = KEYING CODE
10. MATES WITH PLUG CONNECTOR NO. MTCXP-COAX OIP-OI.
- PART NUMBER VARIABLE:
 MTCXR-COAX OIS-OI
 B-NICKEL PLATE PER MIL-C-20704
 C-CADMIUM PLATE PER QQ-P-416 OVER NICKEL UNDERPLATE
12. DIMENSIONS WITHOUT TOLERANCES ARE TO BE CONSIDERED FOR REFERENCE ONLY.

Mouser Electronics

Authorized Distributor

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[MTCC1R-COAX-01P-01CS013](#)