

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/I-OI POSITIONER M22520/I-O2

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

⚠ 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

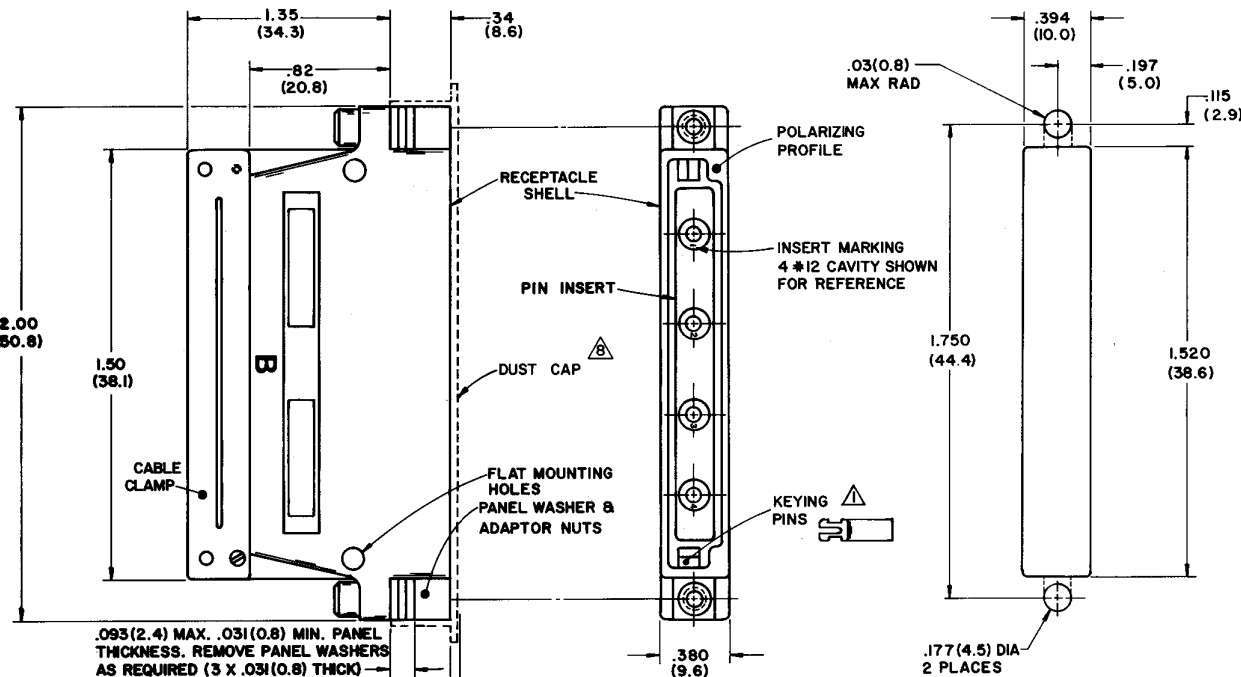
- 9. CONNECTOR PLUG PART NO. MTCxIP-COAX OIS-OI-AA .AA = KEYING CODE** 
- 10. MATES WITH RECEPTACLE CONNECTOR NO. MTCxIR-COAX OIP-OI.**
- 11. CONNECTOR MATING REQUIREMENTS: 9 in. lbs. TORQUE FOR CAPTIVE LOCKING SCREWS.**
- PART NUMBER VARIABLE:**

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

VIEW SHOWING IDENTIFICATION

SPECIFICATION CONTROL DRAWING

			ITEM DET		PART NUMBER	QTY OR SPEC	PARTS LIST		DESCRIPTION	
DO NOT SCALE THIS DRAWING			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE	DRAWN	CRN	7-27	WIRE AND HARNESSING PRODUCT		TYCO ELECTRONICS RAYCHEM 307 CONSTITUTION DRIVE MENLO PARK, CALIFORNIA 94025	
			XXX _____ _____ _____	CHECKED	6/16		TITLE			
			MATERIAL	APPROVED	6/16	2-24-8	CONNECTOR, PLUG, RECTANGULAR			
				APPROVED	6/16	6-5-76	ENVIRONMENTAL, FIXED SOCKET			
				APPROVED	6/16	5-9-77	INSERT - ONE INCH MTC SERIES			
			FINISH	CAD FILE:	T28702a.b.c.d.TIF		SIZE	CODE IDENT	DWG NO	J
	NEXT ASSY USED IN			PROJECT	6441-6037		D	NO 06090	D-652-0004	
	APPLICATION			SCALE			WEIGHT	SHEET		OF 4



ADAPTOR NUTS TO BE FLUSH WITH RECEPTACLE WITHIN .020 (0.5)

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

NOTES:

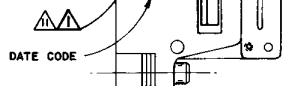
- KEYING CODE DOES NOT FORM A PART OF RAYCHEM PART NUMBER SYSTEM AND BE OMITTED WHEN ORDERING. KEYING PINS SUPPLIED UN-INSTALLED. SEE TABLE II FOR KEYING POSITIONS.
- COMPLETE CONNECTORS AND ACCESSORIES ARE INDIVIDUALLY BAGGED AND LABELED.
- REAR GROMMET INSERT WILL SEAL ON SMOOTH INSULATION FROM .097" 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.

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



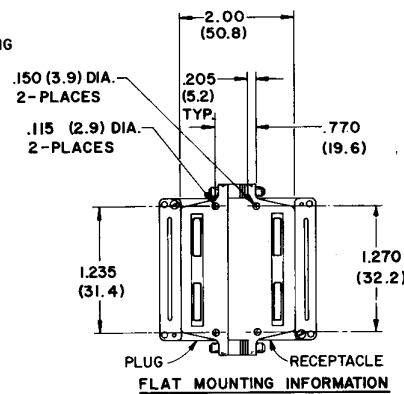
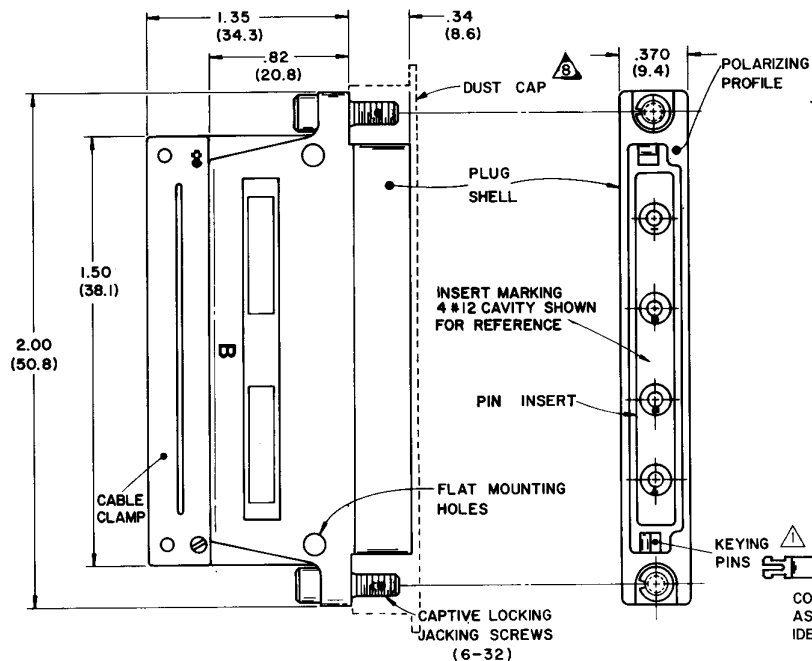
VIEW SHOWING IDENTIFICATION

DO NOT SCALE THIS DRAWING
 NEXT ASSY USED ON APPLICATION

SPECIFICATION CONTROL DRAWING

ITEM	QTY	PART NUMBER	DWG OR SPEC	DESCRIPTION
1	1	CRN 7-20-77		TYCOELECTRONICS/RAYCHEM 387 CONSTITUTION DRIVE BEND PARK, CALIFORNIA 94025
2	1	2-74		
3	1	2-74		
4	1	2-74		
5	1	2-74		
6	1	2-74		
7	1	2-74		
8	1	2-74		
9	1	2-74		
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97	1	2-74		
98	1	2-74		
99	1	2-74		
100	1	2-74		

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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

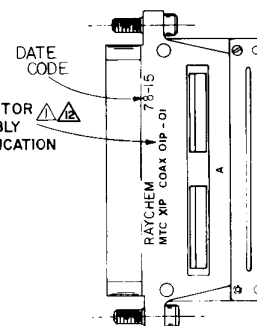
PART NUMBER	X X	POSITION OF KEYS
MTC XIP-COAX OIP-OI	AA	
	AB	
	AC	
	AD	
	BA	
	BB	
	BC	
	BD	
	CA	
	CB	
	CC	
	CD	
	DA	
	DB	
	DC	
MTC XIP-COAX OIP-OI	DD	

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

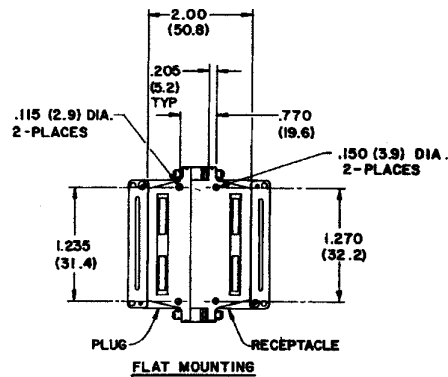
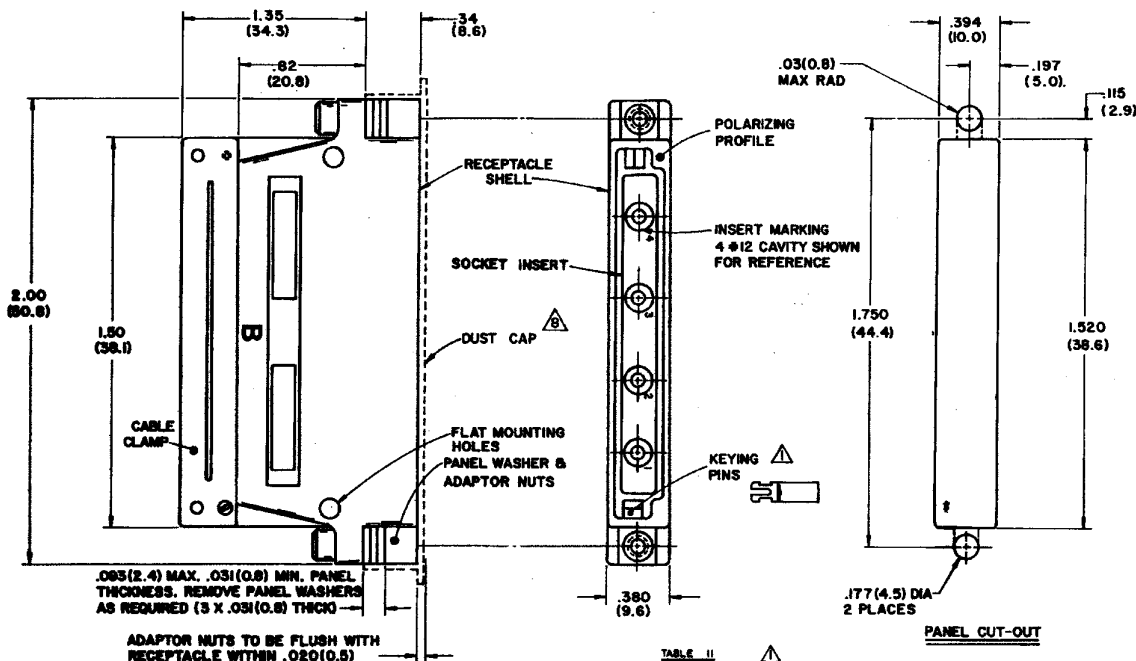


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SPECIFICATION CONTROL DRAWING

DESCRIPTION	DATE	BY	CHKD	APPD	QTY	REMARKS
WIRE AND HARNESSING PRODUCTS TYCOELECTRONICS/RAYCHEM 307 CONSTITUTION DRIVE MENLO PARK, CALIFORNIA 94025	5-20-77	CRN	5-20-77	5-20-77	5-20-77	
CONNECTOR, PLUG, RECTANGULAR ENVIRONMENTAL, FIXED PIN INSERT - ONE INCH MTC SERIES						
CAD FILE: T28702c.TIF						
6441-6037						
DWG. NO. D-652-0004						
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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SPECIFICATION CONTROL DRAWING

CRN 5-9-77		WIRE AND HARDWARE PRODUCTS	
11/10/77		5277	
CAD FILE: T28702L.TIF		MTC ELECTRONICS/RAYCHEM 3800 CONSTITUTION DRIVE BIRDA PARK, CALIFORNIA 94005	
6441-6037		CONNECTOR, RCPT, RECTANGULAR, ENVIRONMENTAL, FIXED SKT INSERT ONE INCH MTC SERIES	
		D-652-0004	
		J	

TABLE II
 KEYING CODE CHART

PART NUMBER	XX	PORTION OF KEYS
MTX XIR-COAX OIS-OI	AA	1
	AB	2
	AC	3
	AD	4
	AE	5
	AF	6
	AG	7
	AH	8
	AI	9
	BA	10
	BB	11
	BC	12
	BD	13
	BE	14
	BF	15
	BG	16
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	CL	30
	CM	31
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	CQ	35
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	CY	43
	CZ	44
	DA	45
	DB	46
	DC	47
	DD	48
	DE	49
	DF	50
	DG	51
	DH	52
	DI	53
	DJ	54
	DK	55
	DL	56
	DM	57
	DN	58
	DO	59
	DP	60
	DQ	61
	DR	62
	DS	63
	DT	64
	DU	65
	DV	66
	DW	67
	DX	68
	DY	69
	DA	70
	DB	71
	DC	72
	DD	73
	DE	74
	DF	75
	DG	76
	DH	77
	DI	78
	DJ	79
	DK	80
	DL	81
	DM	82
	DN	83
	DO	84
	DP	85
	DQ	86
	DR	87
	DS	88
	DT	89
	DU	90
	DV	91
	DW	92
	DX	93
	DY	94
	DA	95
	DB	96
	DC	97
	DD	98
	DE	99
	DF	100
	DG	101
	DH	102
	DI	103
	DJ	104
	DK	105
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	DO	109
	DP	110
	DQ	111
	DR	112
	DS	113
	DT	114
	DU	115
	DV	116
	DW	117
	DX	118
	DY	119
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	DB	121
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	DD	123
	DE	124
	DF	125
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	DH	127
	DI	128
	DJ	129
	DK	130
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	DE	149
	DF	150
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	DH	152
	DI	153
	DJ	154
	DK	155
	DL	156
	DM	157
	DN	158
	DO	159
	DP	160
	DQ	161
	DR	162
	DS	163
	DT	164
	DU	165
	DV	166
	DW	167
	DX	168
	DY	169
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	DD	173
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	DU	190
	DV	191
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	DY	219
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	DI	228
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	DO	234
	DP	235
	DQ	236
	DR	237
	DS	238
	DT	239
	DU	240
	DV	241
	DW	242
	DX	243
	DY	244
	DA	245
	DB	246
	DC	247
	DD	248
	DE	249
	DF	250
	DG	251
	DH	252
	DI	253
	DJ	254
	DK	255
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	DT	264
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	DR	412
	DS	413
	DT	414
	DU	415
	DV	416
	DW	417
	DX	418
	DY	419
	DA	420
	DB	421
	DC	422
	DD	423
	DE	424
	DF	425
	DG	426
	DH	427
	DI	428
	DJ	429
	DK	430
	DL	431
	DM	432
	DN	433
	DO	434
	DP	435
	DQ	436
	DR	437
	DS	438
	DT	439
	DU	440
	DV	441
	DW	442
	DX	443
	DY	444
	DA	445
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	DC	447
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	DH	452
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	DK	455
	DL	456
	DM	457