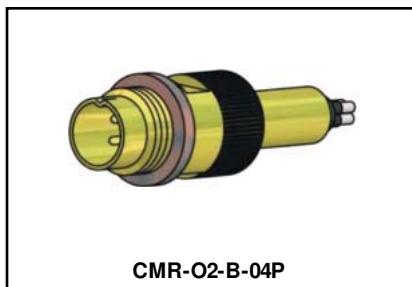
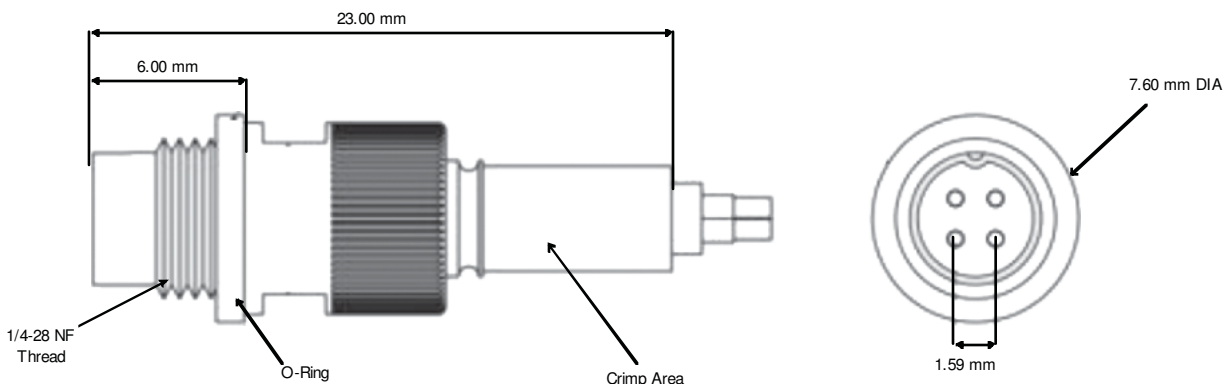


SERIES
CMR

COMTRONICS MICROCOM CONNECTOR
RECEPTACLE - 2, 3 OR 4 PIN STYLE CONTACTS
STRAIGHT IN-LINE RECEPTACLE



MICROCOM CONNECTOR SPECIFICATIONS	
INNER CABLE CONDUCTORS	PIN CONTACTS, SOLDER
CABLE RETENTION	CRIMP TO CONNECTOR HOUSING
COUPLING TYPE	SCREW-ON 1/4-28 NF
CABLE	AWG 28-30—MAX JACKET O.D. 0.105" (2.7MM)
CRIMP TOOL	CMRT-PEW 12.133



ELECTRICAL	
INSULATION RESISTANCE	10,000 MEGOHMS MINIMUM, MIL-C-22557
RATED WORKING VOLTAGE	400 VOLTS RMS @ SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE	1,000 VOLTS RMS @ SEA LEVEL, MIL-C-22557
CONTACT VOLTAGE DROP	4 MILLIVOLTS @ 1 AMPERE, MIL-C-22557
CONTACT RESISTANCE	4.0 MILLIOHMS MAXIMUM @ 1 AMPERE, MIL-C-22557
CONTACT CURRENT RATING	3 AMPERE MAXIMUM, MIL-C-22557
ENVIRONMENTAL	
VIBRATION	MIL-STD-202A, METHOD 204 TEST CONDITION B (15 G'S 10-2000 CPS) NO DISCONTINUITY IN EXCESS OF 1 MICROSECOND
SHOCK	MIL-STD-202, METHOD 202, 200 G'S. NO EVIDENCE OF DAMAGE
TEMPERATURE CYCLING	MIL-STD-202, METHOD 102, CONDITION C
CORROSION (SALT SPRAY)	MIL-STD-202, METHOD 10, CONDITIONS B 5% SALT SOLUTION
MOISTURE RESISTANCE	TEST PER MIL-STD-202C, METHOD 106B, OMITTING STEP 7B AND HIGH HUMIDITY TESTS
MECHANICAL	
CONTACTS	CONTACTS ARE CONSTRAINED IN BOTH DIRECTIONS
FORCE TO ENGAGE & DISENGAGE	APPROXIMATELY 0.8N PER CONTACT
COUPLING RETENTION TORQUE	APPROXIMATELY 60NMM (5 INCH LBF)
CONTACT DURABILITY	5,000 INSERTIONS AND WITHDRAWAL CYCLES WITH CONTACT RESISTANCE WITHIN MINIMUM PER MIL-C-22557
CABLE RETENTION	SEPARATION FORCE EQUAL TO BREAKING STRENGTH OF SHIELD PER MIL-C-22557
GENERAL (FOR STANDARD SHELLS)	
MATERIAL, SHELLS	BRASS PER QQ-B-626 COMPOSITION 22
INSERTS & INSULATORS	PEEK, FOR USE TO 250° C
PLATING	GOLD PLATE PER MIL-G-45204, TYPE II, CLASS I
RELIEF CAPS & GASKETS	SILICONE RUBBER PER AMS 3304



COMPAERO, INC. IS AN AUTHORIZED VALUE-ADDED DISTRIBUTOR OF COMTRONIC MICROCOM CONNECTORS



**COMTRONICS MICROCOM CONNECTOR
RECEPTACLE - 2, 3 OR 4 PIN STYLE CONTACTS
STRAIGHT IN-LINE RECEPTACLE**

**SERIES
CMR**

MICROCOM CONNECTOR SERIES CMR - PART NUMBER BREAKDOWN / HOW TO ORDER									
CMR-	O2-	B-	04	P	-6	A	9	25	
WIRE LENGTH (OMIT FOR NONE) LENGTH IN CENTIMETERS (CM)									
WIRE INSULATION AND COLOR (OMIT FOR NONE) 9 = PTFE INSULATED LEADS, COLOR CODED									
WIRE TYPE (OMIT FOR NONE) S = 19 STRAND PTFE INSULATED									
WIRE SIZE (OMIT FOR NONE) 6 = #26 AWG 8 = #28 AWG 0 = #30 AWG 2 = #32 AWG									
CONTACT TYPE P = PIN S = SOCKET									
INSERT ARRANGEMENT 02 = 2 CONTACTS 03 = 3 CONTACTS 04 = 4 CONTACTS 12 = 12 CONTACTS									
STYLE B = STRAIGHT CABLE TERMINATION C = STRAIGHT PCB MOUNT D = FRONT PANEL JAM NUT MOUNT E = FRONT PANEL SOLDER MOUNT F = RIGHT ANGLE PCB MOUNT									
FINISH O2 = GOLD PLATED N1 = NICKEL PLATED B1 = BLACK ANODIZE S1 = STAINLESS STEEL T1 = TITANIUM									
BASIC PART NUMBER									

THE MICROCOM LINE MEETS THE NEED FOR ULTRA MINIATURE HIGH RELIABILITY CONNECTORS AND CABLES THAT CAN BE ASSEMBLED SIMPLY AND RAPIDLY. THIS SUCCESS STEMS FROM A NEW CONCEPT IN WHICH THE CABLES HAVE BEEN DESIGNED IN COMBINATION WITH THE CONNECTORS TO ACHIEVE THE OPTIMUM IN MINIATURIZATION. THIS SAME DESIGN CONCEPT MAKES POSSIBLE SPECIAL FEATURES AND FACTORY PREASSEMBLED PARTS THAT ASSURES THE USER OF UNBELIEVABLY SIMPLE, RAPID AND ECONOMICAL ASSEMBLY. THE COAXIAL CONNECTORS REQUIRE ONLY A SINGLE OPERATION TO ATTACH THE CONNECTOR AND CABLE. THE CABLE IS DRESSED, INSERTED INTO THE BODY AND MERELY SCREWED INTO PLACE, THEREBY RESULTING IN TREMENDOUS SAVINGS FOR TOOLING AND LABOR COSTS. WITH OPTIONAL CRIMPING, THE SEPARATION FORCE BETWEEN THE CABLE AND CONNECTOR APPROACHES THE AVERAGE BREAKING STRENGTH OF THE SHIELD. THE MULTI-CONDUCTOR CONNECTORS ARE CORRESPONDINGLY SIMPLE TO ASSEMBLE WITH A MINIMUM OF LOOSE PARTS AND MINIMUM OF ASSEMBLY OPERATIONS TO PERFORM.

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COMTRONIC MICROCOM CONNECTORS



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