

MIL-C-55302

Materials, Finishes and Specifications

MATERIALS AND FINISHES

**Connector
Body:**

Polyphenylene sulfide per
MIL-M-24519, color black

Contacts:

Pin contacts:
copper alloy/brass alloy

Socket contacts:
beryllium copper alloy

Contact body:
brass alloy

Contact Finish: Per MIL-G-45204

Guides,

Screwlocks: Stainless steel per QQ-S-763
finish per MIL-F-14072
type Y "D-shaped" guide
socket, beryllium copper
per QQ-C-530; nickel plated
per QQ-N-290

ELECTRICAL SPECIFICATIONS

Contact Size: #22 AWG

Contact Rating: 5 amps.

Test Voltage: 1000 V rms. 60 Hz
at sea level
300 V rms. 60 Hz
at 70,000 ft.

Insulation

Resistance: 5000 megohms min.
@ 500 V DC

Temperature

Range: -65°C to +125°C

Other Electrical

Characteristics: Vibration, salt spray,
dielectric withstanding
voltage, contact resistance,
durability, humidity per
MIL-C-55302



Continental Connector Company, Subsidiary Of ASC Group, Inc.

53 La France Avenue ■ Bloomfield, New Jersey ■ 07003-5632 ■ Phone: (973) 429-8500 ■ FAX: (973) 743-2510

MIL-C-55302 / 56

UMR-MM Series

Male Body / Male Contact: .100" Centers — .050" offset

Description: Straight through male connector without mounting ears.
.100" (2.54) centers
.050" (1.27) offset

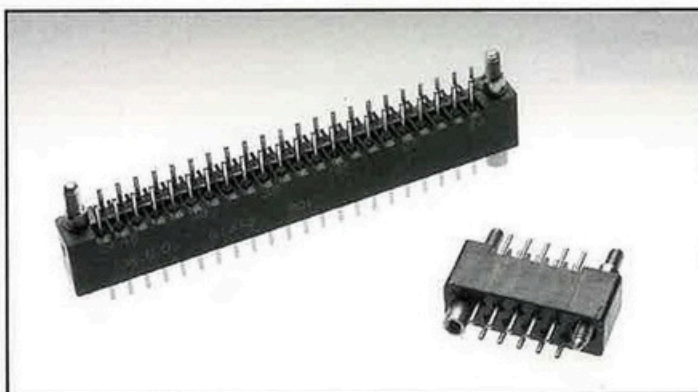
Contacts: 10-70

Hardware: See page 5

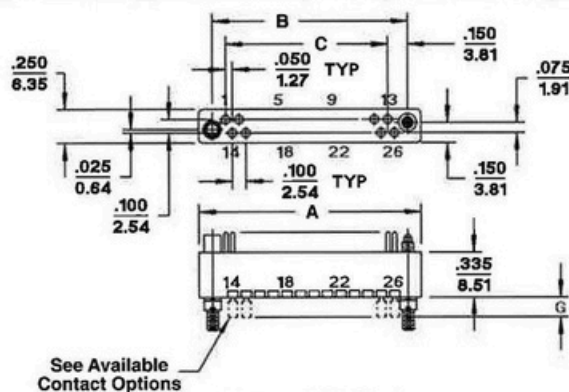
Contact Termination: See page 5

Polarization Configuration: See page 22

Suggested Mounting: See below



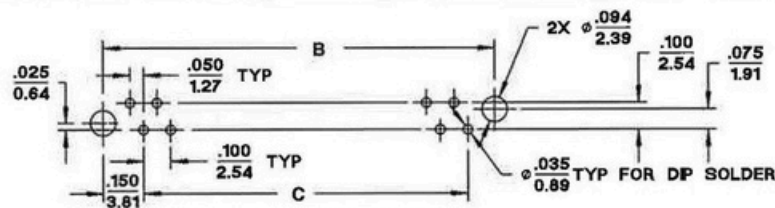
OUTLINE



UMR026MM2SL shown

MOUNTING LAYOUT

MIL-C-55302 / 56



Recommended Hole Pattern
Component Side
For Fixed Hardware

DIMENSIONS

Dimensions are for reference only.
Metric equivalents in (mm) are
given for general information

# Con- tacts	A	B	C	# Con- tacts	A	B	C
10	.850 (21.59)	.650 (16.51)	.400 (10.16)	44	2.550 (64.77)	2.350 (59.69)	2.100 (53.34)
14	1.050 (26.67)	.850 (21.59)	.600 (15.24)	50	2.850 (72.39)	2.650 (67.31)	2.400 (60.96)
20	1.350 (34.29)	1.150 (29.21)	.900 (22.86)	54	3.050 (77.47)	2.850 (72.39)	2.600 (66.04)
24	1.550 (39.37)	1.350 (34.29)	1.100 (27.94)	56	3.150 (80.01)	2.950 (74.93)	2.700 (68.58)
26	1.650 (41.91)	1.450 (36.83)	1.200 (30.48)	60	3.350 (85.09)	3.150 (80.01)	2.900 (73.66)
30	1.850 (46.99)	1.650 (41.91)	1.400 (35.56)	66	3.650 (92.71)	3.450 (87.63)	3.200 (81.28)
36	2.150 (54.61)	1.950 (49.53)	1.700 (43.18)	70	3.850 (97.79)	3.650 (92.71)	3.400 (86.36)
40	2.350 (59.69)	2.150 (54.61)	1.900 (48.26)				



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ORDERING INFORMATION

MIL-C-55302 / 56

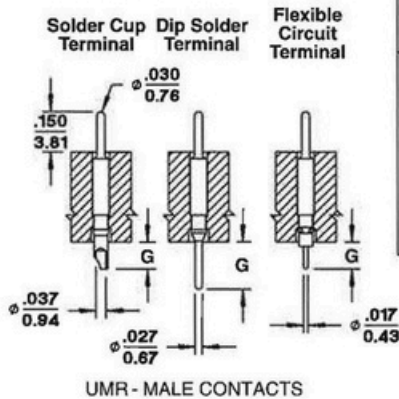
C

26

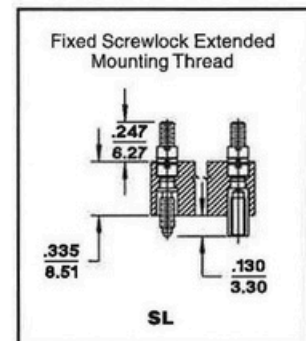
CONTACT
TERMINATIONS:
A B C E F
(See bottom
chart)

NUMBER OF
CONTACTS:
10 - 70

AVAILABLE CONTACTS



Contact Style	Terminal Type	Contact Term		Extension G ±.010
		CCC	MIL-C	
Male	Solder Cup	0	A	.100 (2.54)
	Dip Solder	2	B	.140 (3.56)
	Dip Solder	3	C	.172 (4.37)
	Flexible Circuit	5	E	.058 (1.47)
	Flexible Circuit	6	F	.100 (2.54)



Designation UMR

RYTON
POLYPHENYLENE
SULFIDE
MIL-M-24519
TYPE GST-40F
COLOR BLACK
STANDARD

026

NUMBER OF
CONTACTS:
10-70

MM

BODY / CONTACT
STYLE
DESIGNATION:
MM = MALE BODY-
MALE PIN
CONTACT

3

CONTACT
TERMINATION:
0, 2, 3
5, 6

SL

TYPE OF
MOUNTING
HARDWARE: SL
OTHER TYPES
SHOWN ON
PG. 24



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