

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 / 55

UMR-FF Series

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

Contacts: 10-70

Hardware: See page 3

Contact Termination: See page 3

Polarization

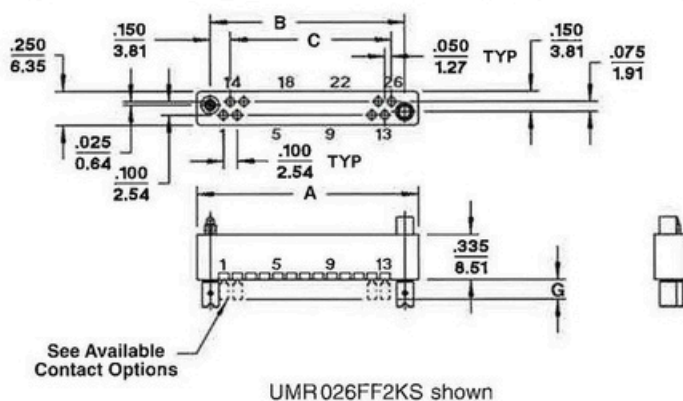
Configuration: See page 22

Suggested Mounting: See below

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

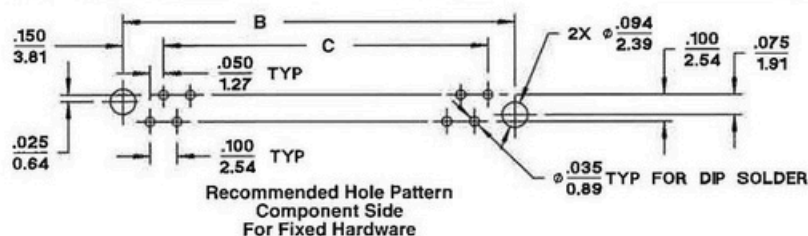


OUTLINE



MOUNTING LAYOUT

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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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UMR-FF Series

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

ORDERING INFORMATION

MIL-C-55302 / 55

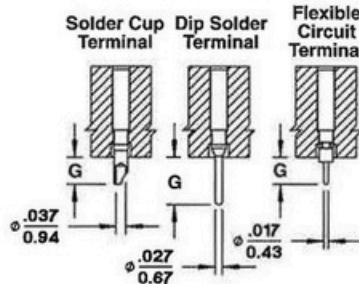
— = STANDARD
INSERTION
FORCE
CONTACT
L = LOW
INSERTION
FORCE
CONTACT

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

NUMBER OF
CONTACTS:
10-70

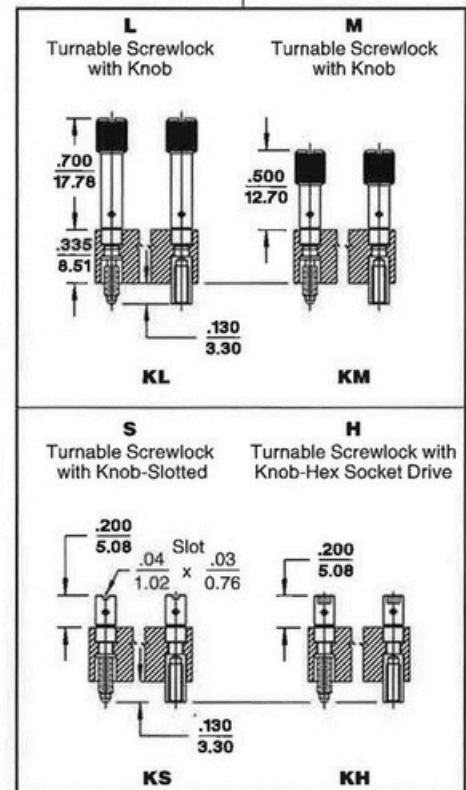
TYPE(S) OF
MOUNTING
HARDWARE

AVAILABLE CONTACTS



UMR / UER -
FEMALE CONTACTS

Contact Style	Terminal Type	Contact Term		Extension G ±.010
		CCC	MIL-C	
Female	Solder Cup	0	A	.100 (2.54)
	Dip Solder	2	B	.140 (3.56)
	Dip Solder	3	C	.172 (4.37)
	Dip Solder	4	E	.234 (5.94)
	Flexible Circuit	5	D	.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

FF

BODY / CON-
TACT STYLE
DESIGNATION:
FF = FEMALE
SOCKET
CONTACT,
CLOSED ENTRY

2

CONTACT
TERMINATION:
0, 2, 3
4, 5, 6

KS

TYPE (S) OF
MOUNTING
HARDWARE,
OTHER TYPES
SHOWN ON
PG. 24



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