

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

URR-FM Series

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

Description: Right angle male connector with mounting ears.
 .100" (2.54) centers
 .050" (1.27) offset

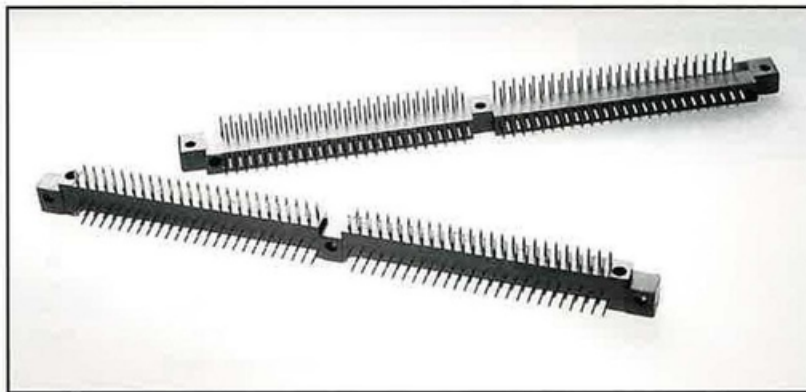
Contacts: 90, 100, 120

Hardware: See page 11

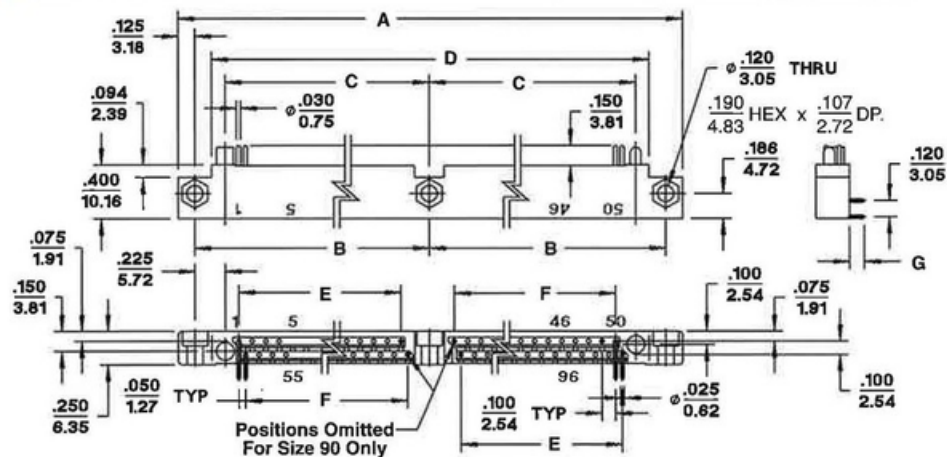
Contact Termination: See page 11

Polarization Configuration: See page 22

UWR-FM: Same as above but without mounting ears.

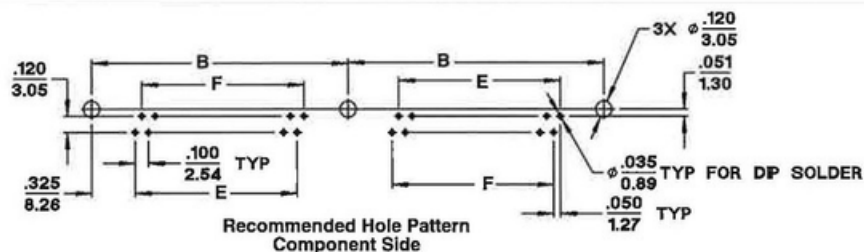


OUTLINE



MOUNTING LAYOUT

MIL-C-55302 / 59



DIMENSIONS

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

# Contacts	A	B	C	D	E	F
90	5.650 (143.51)	2.700 (68.58)	2.475 (62.87)	5.150 (130.81)	2.200 (58.88)	2.100 (53.34)
100	6.150 (156.21)	2.950 (74.93)	2.725 (69.22)	5.650 (143.51)	2.400 (60.96)	2.400 (60.96)
120	7.150 (181.61)	3.450 (87.63)	3.225 (81.92)	6.650 (168.91)	2.900 (73.66)	2.900 (73.66)



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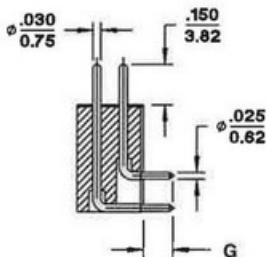
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MIL-C-55302 / 59**URR-FM Series****Female Body / Male Contact: .100" Centers — .050" offset****ORDERING INFORMATION****MIL-C-55302 / 59****B****90****H**

CONTACT
TERMINATIONS:
A B C
(See bottom chart)

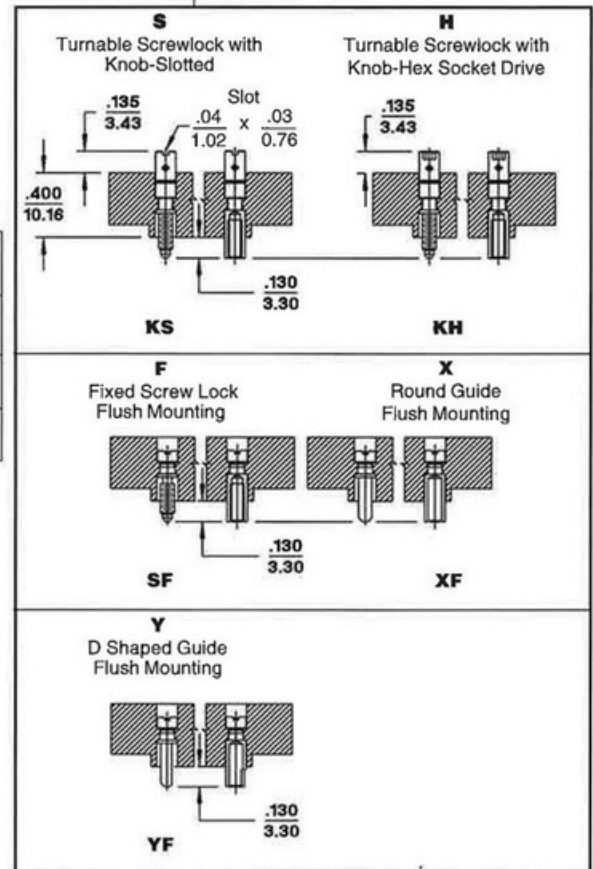
NUMBER OF
CONTACTS:
90-100-120

TYPE (H) OF
MOUNTING
HARDWARE

AVAILABLE CONTACTS

DIP SOLDER TERMINAL -
URR - MALE CONTACTS -
(RIGHT ANGLE)

Contact Style	Terminal Type	Contact Term		Extension G ±.010
		CCC	MIL-C	
Male	Rt. Angle Dip Solder	1	A	.110 (2.79)
	Rt. Angle Dip Solder	2	B	.140 (3.56)
	Rt. Angle Dip Solder	3	C	.172 (4.37)

**Designation URR****090****FM****2****KH**

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

NUMBER OF
CONTACTS:
90, 100, 120

BODY / CON-
TACT STYLE
DESIGNATION:
FM=FEMALE
BODY & MALE
PIN CONTACT

CONTACT
TERMINATION:
1, 2, 3

OTHER TYPES
SHOWN ON
PG. 24



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