

947-150 Quick Disconnect Plug Connector MIL-DTL-38999 Series III Type

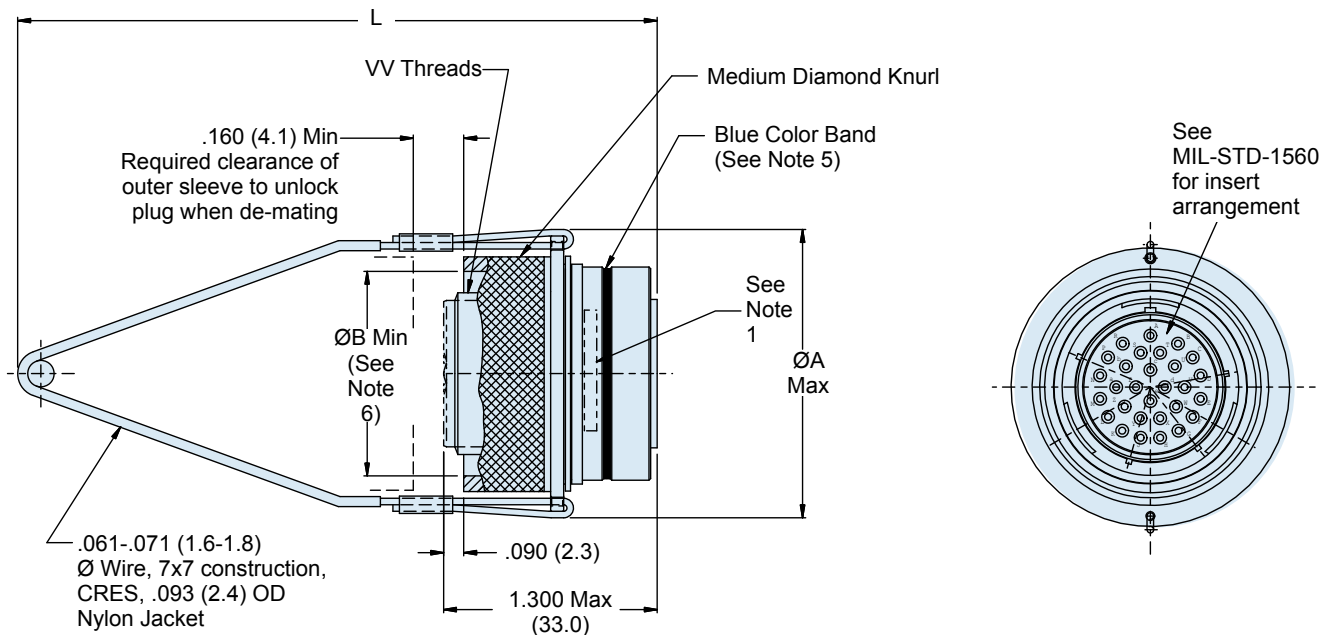
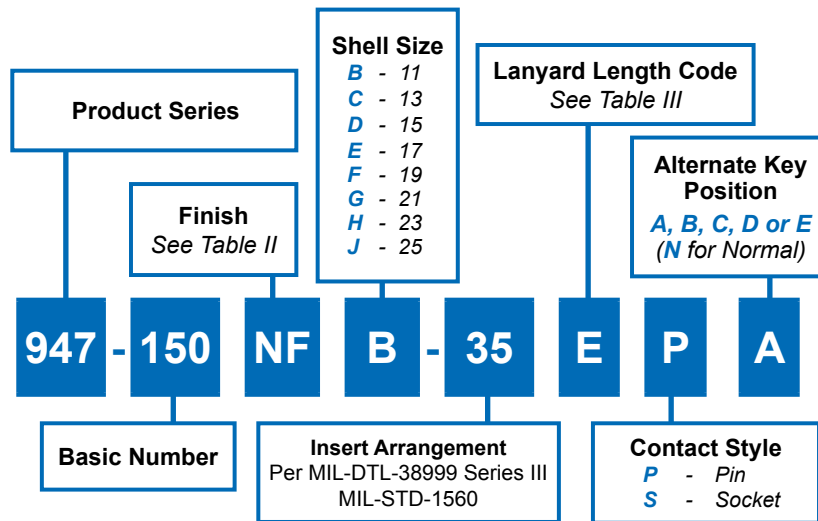


TABLE I: CONNECTOR DIMENSIONS

Shell Size	Shell Size Code	A Max	B Min	W Thread
11	B	1.846(46.9)	1.003(25.5)	M15x1-6g-0.100R
13	C	1.972(50.1)	1.177(29.9)	M18x1-6g-0.100R
15	D	3.000(76.2)	1.299(33.0)	M22x1-6g-0.100R
17	E	3.000(76.2)	1.425(36.2)	M25x1-6g-0.100R
19	F	3.000(76.2)	1.535(39.0)	M28x1-6g-0.100R
21	G	3.000(76.2)	1.661(42.2)	M31x1-6g-0.100R
23	H	3.000(76.2)	1.787(45.4)	M34x1-6g-0.100R
25	J	3.000(76.2)	1.909(48.5)	M37x1-6g-0.100R

TABLE II: FINISH

SYM	FINISH
M	Electroless Nickel
MT	Ni-PTFE 1000 Hour Grey™ (Nickel-Fluorocarbon Polymer)
NF	Cadmium O.D. Over Electroless Nickel
N	Cadmium O.D. Over Nickel Plate

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TABLE III: LANYARD LENGTH CODE

CODE	L ± .236 (±6)	CODE	L ± .236 (±6)	CODE	L ± .236 (±6)	CODE	L ± .236 (±6)
A	4.016(102)	G	7.007(178)	M	10.000(254)	U	13.031(331)
B	4.527(115)	H	7.519(191)	N	10.511(267)	V	14.015(356)
C	5.000(127)	I	7.992(203)	P	11.023(280)	W	15.000(381)
D	5.511(140)	J	8.503(216)	R	11.535(293)	X	16.023(407)
E	6.024(153)	K	9.015(229)	S	12.007(305)	Y	17.007(432)
F	6.535(166)	L	9.527(242)	T	12.519(318)	Z	18.031(458)

**TABLE IV: SEPARATION
FORCES MAX**

SHELL SIZE	STRAIGHT PULL [NEWTON]	15 DEGREE PULL [NEWTON]
11	44.96 LBS [200]	55.08 LBS [245]
13	44.96 LBS [200]	55.08 LBS [245]
15	44.96 LBS [200]	55.08 LBS [245]
17	89.92 LBS [400]	100.04 LBS [445]
19	89.92 LBS [400]	100.04 LBS [445]
21	89.92 LBS [400]	100.04 LBS [445]
23	89.92 LBS [400]	100.04 LBS [445]
25	89.92 LBS [400]	100.04 LBS [445]

TABLE V: SUPPLIED COMPONENTS

Contact Size	Contact Pin P/N	Contact Socket P/N	Sealing Plug P/N	Insert/Remove Tool P/N
22D	M39029/58-360	M39029/56-348	M27488-22	M81969/14-01
20	M39029/58-363	M39029/58-351	M27488-20	M81969/14-10
16	M39029/58-364	M39029/58-352	M27488-16	M81969/14-03
12	M39029/58-365	M39029/58-353	M27488-12	M81969/14-04
12	M39029/102-558 COAX	M39029/103-559 COAX	M27488-12	M81969/14-04
8	M39029/60-367 COAX	M39029/59-366 COAX	M27488-8	M81969/14-06
8	M39029/90-529 TWINAX	M39029/91-530 TWINAX	M27488-8	M81969/14-06

APPLICATION NOTES

- Assembly to be identified with Glenair's name and part number.
- Material/finishes:
Shell, coupling sleeve, lanyard ring,
Inner sleeve, locking—al alloy or CRES/see Table II
Contacts—copper alloy/gold plate (purchased separately)
Insulators—high grade rigid dielectric/N.A.
Seals—fluorosilicone/ N.A.
- This connector mates with MIL-DTL-38999/20, /21, /23, /24, /25,
and /27.
- Dimensions in parenthesis are metric and for reference.
- Blue color band indicates rear release retention system.
- Dim B is clearance to accommodate AS85049 accessories.
- For backshell extender consult factory.
- Contacts, insertion/removal tools and sealing plugs are purchased
separately. For more information please see catalog introduction.
- Metric dimensions (mm) are indicated in parentheses.