

SPACE-GRADE MIL-DTL-38999 TYPE SuperNine® Blind-Mate / ASF Connectors



253-014 Crimp Plug, Fixed Rear Panel-Mount Series, Roll-On / Roll-Off Nose
MIL-STD-1560 power and signal insert arrangements



253-014-07
Jam-nut panel-mount plug with
roll-on/roll-off nose

ADAPTER CODE **F**

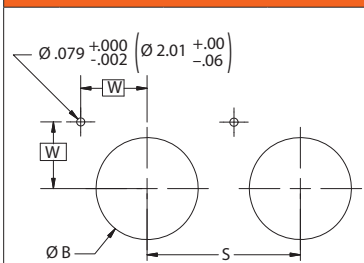
"F" adapter code accessories
(D38999 Series I, imperial thread)
fit this connector

HOW TO ORDER

Sample Part No.	253-014	-	07	ME	25-35	P	N
Basic Part No.	253-014 = Plug, fixed panel-mount						
Accessory option	B = Integral backshell - = accessory thread						
Mounting style	07 = Jam-nut panel-mount 00 = Panel-mount with slotted holes D0 = Panel-mount with round holes						
Material/Finish	MN = Al Alloy, MegaNickel, per D38999 class AA ME = Aluminum, electroless nickel MT = Aluminum, nickel PTFE Z1 = CRES, passivated ZL = CRES, electrodeposited nickel						
Shell Size - Insert Arrangement*	Per MIL-STD-1560; symmetrical layouts only, See contact arrangements table						
Contact type	P = Pin, crimp removable A = Pin insert, less contacts S = Socket, crimp removable B = Socket insert, less contacts						
Alternate Polarization	A, B, C, D, E, N = Normal (Polarization for intermateability with 253-014 is per MIL-DTL-38999 Series I)						

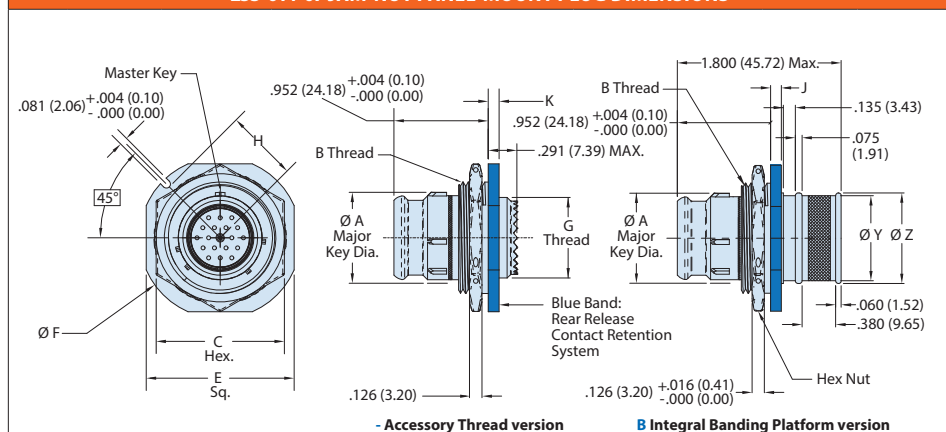
The 253-014 fixed panel-mount plug series mates with 253-015 float-mount receptacles
Space-grade modification codes may be added directly to the end of any valid part number

RECOMMENDED PANEL CUTOUT DIMENSIONS



Shell Size	W	B Dia. ±.004 (.10)	S
11	.460 (11.68)	0.821 (20.85)	1.282 (32.56)
13	.504 (12.80)	1.007 (25.58)	1.417 (35.99)
15	.549 (13.94)	1.134 (28.80)	1.559 (39.60)
17	.593 (15.06)	1.259 (31.98)	1.705 (43.31)
19	.665 (16.89)	1.384 (35.15)	1.850 (46.99)
21	.709 (18.01)	1.507 (38.28)	1.992 (50.60)
23	.753 (19.13)	1.634 (41.50)	2.134 (54.20)
25	.797 (20.24)	1.759 (44.68)	2.350 (59.69)

253-014-07 JAM-NUT PANEL-MOUNT PLUG DIMENSIONS



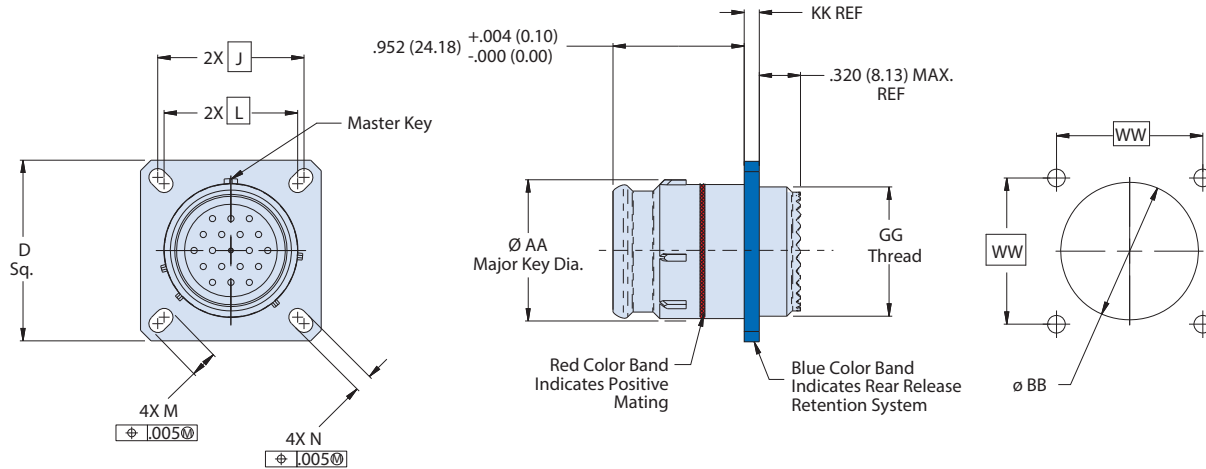
Shell Size	A Max Dia.	Thread B Class 2A	C Max	E (±.016)	F Max Dia.	G Thread Class 2A	H (+0/-0.008)	Ø Y	Ø Z
11	.673 (17.09)	.8125-20 UNEF	1.016 (25.81)	1.250 (31.75)	1.386 (35.20)	.5625-24	.604 (15.34)	0.600 (15.24)	0.662 (16.81)
13	.798 (20.27)	1.0000-20 UNEF	1.181 (30.00)	1.375 (34.92)	1.511 (38.38)	.6875-24	.666 (16.92)	0.700 (17.78)	0.762 (19.35)
15	.923 (23.44)	1.1250-18 UNEF	1.300 (33.02)	1.500 (38.10)	1.636 (41.55)	.8125-20	.729 (18.52)	0.835 (21.21)	0.898 (22.81)
17	1.048 (26.62)	1.2500-18 UNEF	1.457 (37.01)	1.625 (41.28)	1.761 (44.73)	.9375-20	.791 (20.09)	0.960 (24.38)	1.022 (25.96)
19	1.173 (29.79)	1.3750-18 UNEF	1.575 (40.00)	1.812 (46.02)	1.949 (49.50)	1.0625-18	.893 (22.68)	1.062 (26.97)	1.125 (28.58)
21	1.298 (32.97)	1.5000-18 UNEF	1.693 (43.00)	1.938 (49.23)	2.073 (52.65)	1.1875-18	.955 (24.26)	1.188 (30.18)	1.250 (31.75)
23	1.423 (36.14)	1.6250-18 UNEF	1.880 (47.75)	2.062 (52.37)	2.200 (55.88)	1.3125-18	1.017 (25.83)	1.275 (32.39)	1.338 (33.99)
25	1.548 (39.32)	1.7500-18 UNS	2.016 (51.21)	2.187 (55.55)	2.323 (59.00)	1.4375-18	1.096 (27.84)	1.475 (37.47)	1.538 (39.07)

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253-014-00 PANEL-MOUNT PLUG, SLOTTED HOLES, DIMENSIONS



Shell Size	Diameter AA, Max.	D $\pm .012$	J	L	M $\pm .008$	N $\pm .008$	Thread GG, Class 2a	KK $\pm .011 / -.010$
11	0.673 (17.09)	1.031 (26.19)	0.812 (20.62)	0.719 (18.26)	0.194 (4.93)	0.128 (3.25)	0.5625-24	0.109 (2.77)
13	0.798 (20.27)	1.126 (28.60)	0.906 (23.01)	0.812 (20.62)	0.194 (4.93)	0.128 (3.25)	0.6875-24	0.109 (2.77)
15	0.923 (23.44)	1.220 (30.99)	0.969 (24.61)	0.906 (23.01)	0.173 (4.39)	0.128 (3.25)	0.8125-20	0.109 (2.77)
17	1.048 (26.62)	1.311 (33.30)	1.062 (26.97)	0.969 (24.61)	0.194 (4.93)	0.128 (3.25)	0.9375-20	0.109 (2.77)
19	1.173 (29.79)	1.437 (36.50)	1.156 (29.36)	1.062 (26.97)	0.194 (4.93)	0.128 (3.25)	1.0625-18	0.140 (3.56)
21	1.298 (32.97)	1.563 (39.70)	1.250 (31.75)	1.156 (29.36)	0.194 (4.93)	0.128 (3.25)	1.1875-18	0.140 (3.56)
23	1.423 (36.14)	1.689 (42.90)	1.375 (34.92)	1.250 (31.75)	0.242 (6.15)	0.154 (3.91)	1.3125-18	0.140 (3.56)
25	1.548 (39.32)	1.811 (46.00)	1.500 (38.10)	1.375 (34.92)	0.242 (6.15)	0.154 (3.91)	1.4375-18	0.140 (3.56)

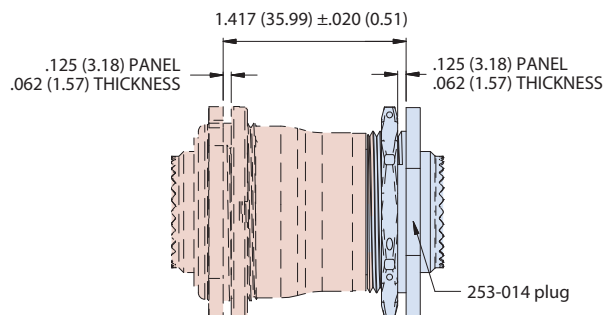
NOTES:

- Spares: pin or socket contacts IAW AS39029 or per Glenair part number if controlled force contacts
- Material/finish
 - Shell, jam-nut: see P/N development, finish
 - Insulator: high-grade rigid dielectric/N.A.
 - Seals: fluorosilicone blend/N.A.
 - Contacts: copper alloy/gold plated

RECOMMENDED PANEL CUTOUT FOR SLOTTED HOLE AND ROUND HOLE CONNECTORS

Shell Size	WW	Diameter BB Min.
11	0.812 (20.62)	0.796 (20.22)
13	0.906 (23.01)	0.922 (23.42)
15	0.969 (24.61)	1.047 (26.59)
17	1.062 (26.97)	1.219 (30.96)
19	1.156 (29.36)	1.297 (32.94)
21	1.250 (31.75)	1.422 (36.12)
23	1.375 (34.92)	1.547 (39.29)
25	1.500 (38.10)	1.672 (42.47)

253-015 - 253-014 DISTANCE BETWEEN MATED FLANGES

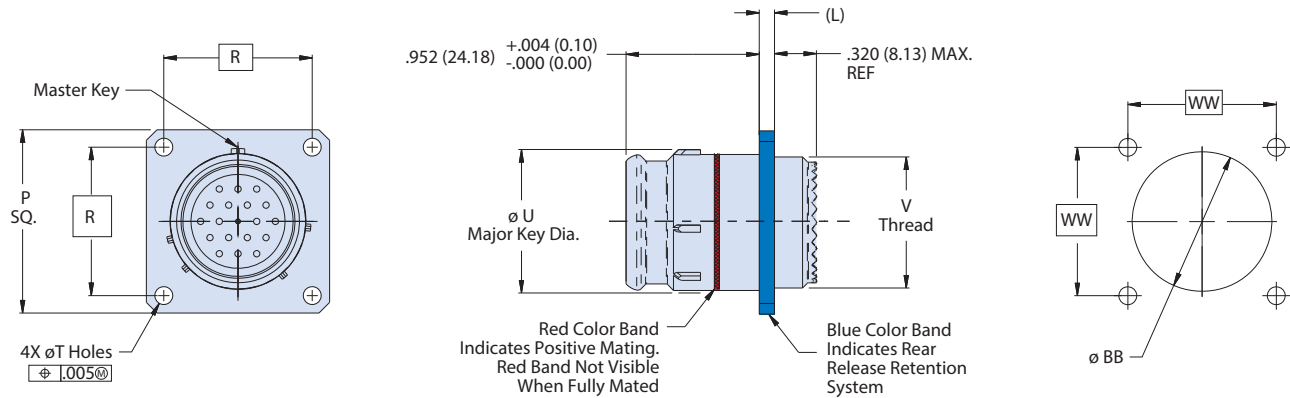


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253-014-D0 PANEL-MOUNT PLUG, ROUND HOLES, DIMENSIONS



Shell Size	Diameter U, Max.	P +/- .012	R	T .010/- .005	Thread V, Class 2A	L [+.011/- .010]
11	0.673 (17.09)	1.031 (26.19)	0.812 (20.62)	0.128 (3.25)	0.5625-24	0.109 (2.77)
13	0.798 (20.27)	1.126 (28.60)	0.906 (23.01)	0.128 (3.25)	0.6875-24	0.109 (2.77)
15	0.923 (23.44)	1.220 (30.99)	0.969 (24.61)	0.128 (3.25)	0.8125-20	0.109 (2.77)
17	1.048 (26.62)	1.311 (33.30)	1.062 (26.97)	0.128 (3.25)	0.9375-20	0.109 (2.77)
19	1.173 (29.79)	1.437 (36.50)	1.156 (29.36)	0.128 (3.25)	1.0625-18	0.140 (3.56)
21	1.298 (32.97)	1.563 (39.70)	1.250 (31.75)	0.128 (3.25)	1.1875-18	0.140 (3.56)
23	1.423 (36.14)	1.689 (42.90)	1.375 (34.92)	0.154 (3.91)	1.3125-18	0.140 (3.56)
25	1.548 (39.32)	1.811 (46.00)	1.500 (38.10)	0.154 (3.91)	1.4375-18	0.140 (3.56)

CONTACT ARRANGEMENTS: HIGH-DENSITY, STANDARD, AND COMBO

HIGH-DENSITY			Contact Type	#20 Contact Qty.	Shell Size - Contact Arr.	Contact Type	#16 Contact Qty.	Shell Size - Contact Arr.	COMBO				
Contact Type	#23 Contact Qty.	Shell Size - Contact Arr.							No. Contacts				Shell Size - Contact Arr.
Size #23 High-Density 5 Amp Max. Current #22-#26 AWG	19	11-23	Size #20 7.5 Amp Max. Current #20-#24 AWG	4	11-4	Size #16 Contacts 13 Amp Max. Current #16-#20 AWG	2	11-2	#20	#16	#12	#10	Shell Size - Contact Arr.
	32	13-23		5	11-5		4	13-4	14	1			15-15
	55	15-23		6	11-98		5	15-5	8	4			15-97
	73	17-23		7	11-99		8	17-8	21	2			17-99
	88	19-23		8	13-8		11	19-11	26	2			19-28
	121	21-23		10	13-98		16	21-16	29	1			19-30
	151	23-23		18	15-18		21	23-21	19	4	4		21-29
	187	25-23		19	15-19		16	23-97	37	2			21-39
STANDARD				26	17-26		11	23-99	48	8			25-4
Contact Type	#22D Contact Qty.	Shell Size - Contact Arr.		32	19-32		29	25-29	2			9	25-11
				24	21-24	37	25-37		12	12		25-24	
Size #22D 5 Amp Max. Current #22-#28 AWG	13	11-35		25	21-25	Contact Type	#12 Contact Qty.	Shell Size - Contact Arr.	23	20			25-43
	22	13-35		27	21-27				Size #12 Contacts 23 Amp Max. Current #12-14 AWG	6	17-6		
	37	15-35		41	21-41					11	21-11		
	55	17-35		32	23-32					19	25-19		
	66	19-35		34	23-34								
	67	19-35		36	23-36								
	79	21-35		53	23-53								
	100	23-35		55	23-55								
	128	25-35		61	25-61								