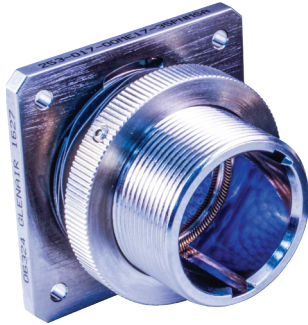


SPACE-GRADE MIL-DTL-38999 TYPE SuperNine® Blind-Mate / ASF Connectors



253-017 Crimp Receptacle, Float-Mount, Adjustable Separation Force MIL-STD-1560 power and signal insert arrangements



253-017 float wall-mount receptacle
with adjustment ring

ADAPTER CODE **H**

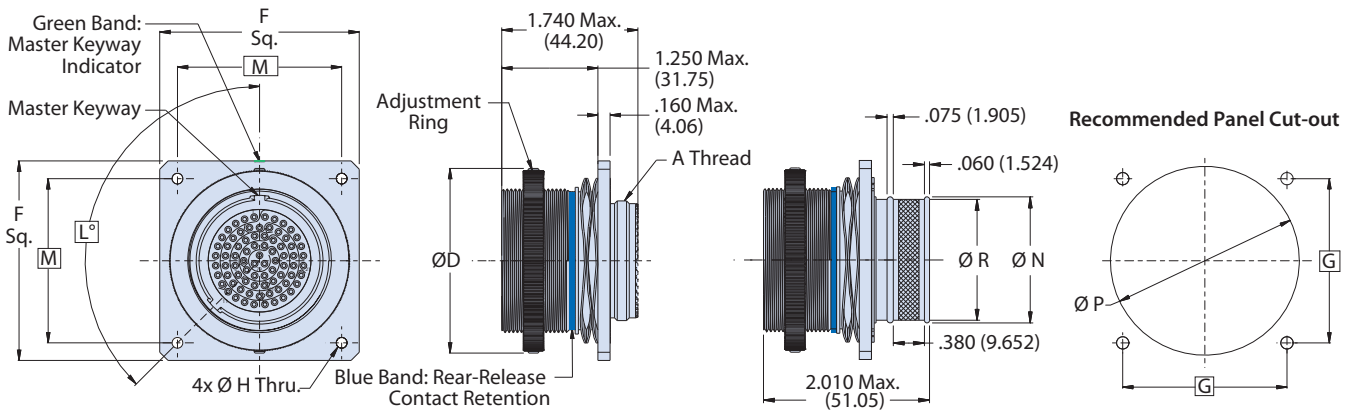
"H" adapter code accessories
(D38999 Series III, metric thread)
fit this connector

HOW TO ORDER

Sample Part No.	253-017	-	00	ME	21	-35	P	N	MS	A
Basic Part No.	Blind-mate float-mount panel receptacle									
Accessory option	B = Integral backshell - = accessory thread									
Mounting style	00 = panel-mount									
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	9, 11, 13, 15, 17, 19, 21, 23, 25									
Contact Arrangement no.	Per MIL-STD-1560; symmetrical layouts only, See contact arrangements table									
Contact Style	S = Socket, crimp-removable P = Pin, crimp-removable A = Pin insert, less contacts B = Socket insert, less contacts									
Alternate Polarization	A = 40°, B = 65°, C = 80°, D = 210°, E = 250°, N = 135° (Normal) Per L°									
Contact type	MS = Standard Mil-Spec contacts Omit = Connector supplied without contacts									
Adjustment Ring material	A = Aluminum C = Corrosion-resistant steel									

253-017 float-mount receptacles mate with 253-016 fixed wall-mount ASF plugs
Space-grade modification codes may be added directly to the end of any valid part number

DIMENSIONS



- Accessory Thread style B Integral Backshell style

Shell Size	F Flange ±.010 (±.25)	M Square	Ø H ±.005 (±.13)	Ø D Max.	A Thread	Ø P ±.005 (±.13)	G Square	Ø R ±.005 (±.13)	Ø N ±.005 (±.13)
9	1.430(36.32)	1.150 (29.21)	.128(3.25)	1.300 (33.02)	M12 X 1.0-6g-0.100R	1.330 (33.78)	1.150 (29.21)	.475 (12.07)	.538 (13.67)
11	1.555(39.50)	1.200(30.48)	.128(3.25)	1.425 (36.20)	M15 X 1.0-6g-0.100R	1.455 (36.96)	1.200 (30.48)	.600 (15.24)	.662 (16.81)
13	1.680(42.67)	1.250(31.75)	.128(3.25)	1.550 (39.37)	M18 X 1.0-6g-0.100R	1.580 (40.13)	1.250 (31.75)	.700 (17.78)	.762 (19.35)
15	1.805(45.85)	1.375(34.93)	.128(3.25)	1.675 (42.55)	M22 X 1.0-6g-0.100R	1.705 (43.31)	1.375 (34.92)	.835 (21.21)	.898 (22.81)
17	1.930(49.02)	1.500(38.10)	.128(3.25)	1.800 (45.72)	M25 X 1.0-6g-0.100R	1.830 (46.48)	1.500 (38.10)	.960 (24.38)	1.022 (25.96)
19	2.055(52.20)	1.625(41.28)	.128(3.25)	1.925 (48.90)	M28 X 1.0-6g-0.100R	1.955 (49.66)	1.625 (41.28)	1.062 (26.97)	1.125 (28.58)
21	2.180(55.37)	1.750(44.45)	.128(3.25)	2.050 (52.07)	M31 X 1.0-6g-0.100R	2.080 (52.83)	1.750 (44.45)	1.188 (30.18)	1.250 (31.75)
23	2.305(58.55)	1.875(47.63)	.154(3.91)	2.175 (55.25)	M34 X 1.0-6g-0.100R	2.205 (56.01)	1.875 (47.63)	1.313 (33.35)	1.375 (34.93)
25	2.430(61.72)	2.000(50.80)	.150(3.81)	2.300 (58.42)	M37 X 1.0-6g-0.100R	2.330 (59.18)	2.000 (50.80)	1.475 (37.47)	1.538 (39.07)

SuperNine®

ADJUSTMENT RING GEOMETRY AND MATERIAL OPTIONS



1. Separation force is adjustable from -5 lbs to +5 lbs when mated 253-016 and 253-017 pairs have adjustable separation force of ± 5 lbs
2. Spares: pin or socket contacts IAW AS39029 or per Glenair part number if controlled force contacts
3. Material/finish
 - Wave spring: CRES/passivated
 - Insulators: high-grade rigid dielectric
 - Seals: fluorosilicone blend

(spring removed for clarity)

Diagram illustrating the dimensions of the Plug and Receptacle assembly:

- Plug 253-016-00
- Receptacle 253-017-00
- Dimensions: 1.230 (31.24) and 1.170 (29.72)

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