

# BAYONET-COUPLING MICRO MINIATURE CIRCULAR Series 806 Mil-Aero Connectors



## 806B-021 Jam-Nut Receptacle with PCB standoff

SERIES 806 BAYONET

HOW TO ORDER						
<b>Sample Part Number</b>	<b>806B-021</b>	<b>-ME</b>	<b>11-19</b>	<b>S</b>	<b>1</b>	<b>A</b>
<b>Basic Part Number</b>	<b>806B-021</b> Jam-Nut Receptacle with PCB standoff					
<b>Material and Finish</b>	-NF = Aluminum Alloy, O.D. Cadmium over Electroless Nickel -MT = Aluminum Alloy, Nickel-PTFE -ME = Aluminum Alloy, Electroless Nickel -ZR = Aluminum Alloy, Black Zinc-Nickel -Z1 = Stainless Steel, Passivate -ZL = Stainless Steel, Electro-Deposited Nickel					
<b>Insert Arrangement</b>	See Table I					
<b>Contact Type</b>	P = Pin S = Socket E = Solder Cup, Pin F = Solder Cup, Skt					
<b>PC Tail Length</b>	1 = .125" 2 = .250"					
<b>Key Position</b>	See Dimensions Table					

### MATERIAL/FINISH

- Shell, Jam Nut - Al Alloy Or Cres / See Material and Finish Table
- Insulators - High Grade Rigid Dielectirc.
- Interfacial & Peripheral Seal, Flang O-Ring - Fluorosilicone Blend Contact - Copper Alloy / Gold Plated

### NOTES

- Assembly to be identified with Glenair's name, part number and date code, space permitting.
- See 806-023 for printed circuit board layouts.
- Insert arrangement shown for reference only, see 806-015 for additional contact arrangements.
- This receptacle connector mates with all bayonet-coupling, Glenair 806B style, plug connectors with same polarization and opposite contact gender.
- This connector meets all performance requirements of Glenair product spec 806-014.
- Backfill with epoxy. Consult manufacturer for hermetically sealed versions.
- Integral pcb stand off 4x 4-40 unc .156 Min. Thread and locating post.

TABLE I: SHELL SIZE - INSERT ARRANGEMENT

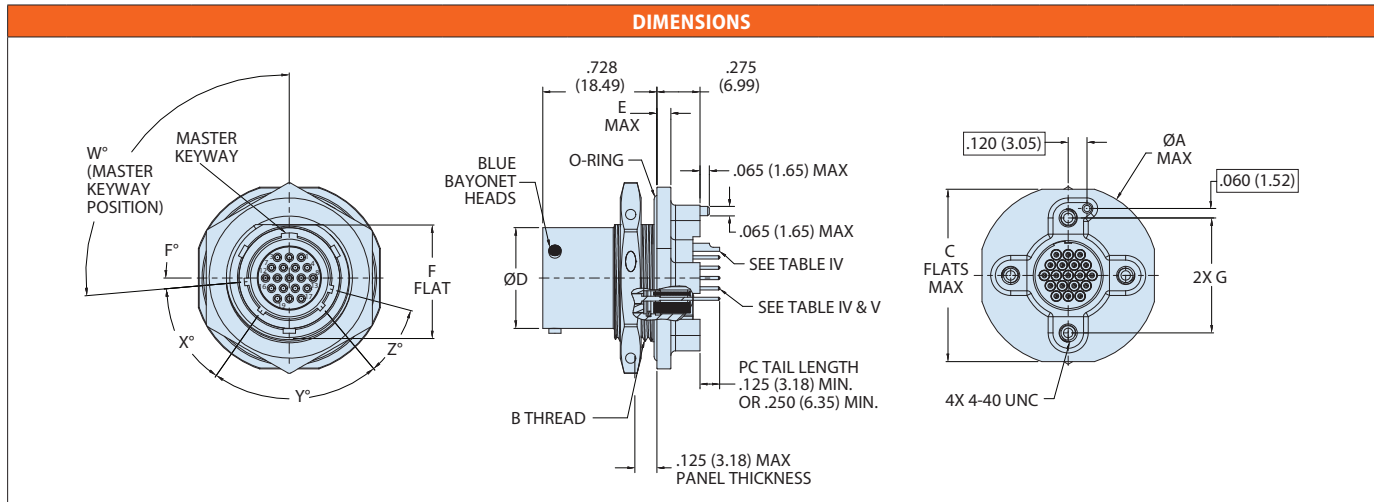
Contact Layout	Number of Contacts					Contact Layout	Number of Contacts					Contact Layout	Number of Contacts				
	22HD	20HD	16	12	8		22HD	20HD	16	12	8		22HD	20HD	16	12	8
7-3	3					24-92		92				20-4				4	
8-4	4					8-1			1			22-5				5	
8-7	7					10-2			2			24-8				8	
9-11	11					11-4			4			10-8A	6		2		
10-15	15					12-5			5			11-13	11		2		
11-19	19					14-7			7			12-27	26		1		
12-26	26					16-12			12			14-21	17		4		
14-39	39					18-15			15			16-41	37		4		
16-60	60					20-22			22			18-59	55		4		
18-85	85					22-24			24			11-14	13			1	
20-110	110					24-35			35			12-14	12			2	
22-140	140					9-1				1		14-22	20			2	
24-186	186					12-2				2		16-32	28			4	
8-3		3				14-3				3		16-42	40			2	
9-5		5				16-4				4		18-62	60			2	
10-8		8				16-7				7		14-20A	19			1	
11-10		10				18-8				8		16-22	20			2	
12-15		15				20-11				11		18-21	18			3	
14-20		20				22-13				13		20-28	24			4	
16-31		31				24-19				19		22-44	40			4	
18-41		41				10-1					1	24-97	93			4	
20-55		55				16-2					2						
22-69		69				18-3					3						

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## 806B-021 Jam-Nut Receptacle with PCB standoff

SERIES 806 BAYONET



Shell Size	Ø A Max	B Thread	C Max	Ø D	E Max	F Flat	G	Master Keyway Codes (W°)					Minor Keyway Positions					
								N	A	B	C	D	F°	X°	Y°	Z°		
7	0.918 (23.32)	.5000-16 UN	0.858 (21.79)	0.390 (9.91)	0.100 (2.54)	0.460 (11.68)	0.489 (12.42)	104°					14°	45°	85°	38°		
8	0.980 (24.89)	.5625-24 UNEF	0.920 (23.37)	0.485 (12.32)		0.535 (13.59)	0.534 (13.56)											
9	1.043 (26.49)	.6250-28 UN	0.983 (24.97)	0.563 (14.30)		0.605 (15.37)	0.579 (14.71)		80°	110°								
10	1.105 (28.07)	.6875-24 UNEF	1.045 (26.54)	0.612 (15.54)		0.665 (16.89)	0.679 (17.25)											
11	1.230 (31.24)	.8125-20 UNEF	1.170 (29.72)	0.695 (17.65)		0.770 (19.56)	0.734 (18.64)											
12	1.293 (32.84)	.8750-20 UNEF	1.233 (31.32)	0.720 (18.29)		0.805 (20.45)	0.804 (20.42)		75°	63°	127°	115°						
14	1.469 (37.31)	1.0000-20 UNEF	1.379 (35.03)	0.845 (21.46)		0.930 (23.62)	0.891 (22.63)		95°					5°	45°	88°	27°	
16	1.594 (40.49)	1.1250-18 UNEF	1.504 (38.20)	0.966 (24.54)		1.056 (26.82)	1.049 (26.64)											
18	1.719 (43.66)	1.2500-18 UNEF	1.629 (41.38)	1.086 (27.58)		1.182 (30.02)	1.148 (29.16)		80°	69°	121°	110°						
20	1.842 (46.79)	1.3750-18 UNEF	1.752 (44.50)	1.211 (30.76)		1.307 (33.20)	1.252 (31.80)											
22	2.059 (52.30)	1.5000-18 UNEF	1.969 (50.01)	1.325 (33.66)	1.431 (36.35)	1.369 (34.77)												
24	2.184 (55.47)	1.6250-18 UNEF	2.094 (53.19)	1.462 (37.13)	1.555 (39.50)	1.509 (38.33)												

RECOMMENDED MOUNTING HOLE			
Shell Size	Ø J +.008 -.000	K +.008 -.000	
		7	0.478 (12.14)
8	0.553 (14.05)	0.572 (14.53)	
9	0.623 (15.82)	0.635 (16.13)	
10	0.683 (17.35)	0.697 (17.70)	
11	0.788 (20.02)	0.822 (20.88)	
12	0.820 (20.83)	0.885 (22.48)	
14	0.945 (24.00)	1.010 (25.65)	
16	1.075 (27.31)	1.135 (28.83)	
18	1.200 (30.48)	1.260 (32.00)	
20	1.325 (33.66)	1.385 (35.18)	
22	1.450 (36.83)	1.510 (38.35)	
24	1.575 (40.01)	1.635 (41.53)	

RECOMMENDED MOUNTING HOLE DIMENSIONS

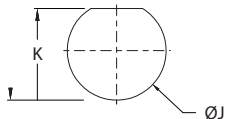


TABLE IV	
Contact Style	Description
P	Pin
S	Socket
E	Solder Cup, Pin
F	Solder Cup, Skt

TABLE V	
Contact Size	PC Tail Dia
8	0.180 (4.57)
12	0.094 (2.39)
16	0.062 (1.57)
20	0.030 (0.76)
22	0.020 (0.51)