

MIL-DTL-38999 Series IV Type
234-213 Sav-Con® plug/receptacle connector saver



HOW TO ORDER	
Sample Part Number	234-213 NF 11 -35 P N S N
Basic Part Number	234-213
Material/Finish	(See Table I)
Shell Size	11, 13, 15, 17, 19, 21, 23, 25
Insert Arrangement	PER MIL-STD-1560
Contact Style (Plug side)	P = Pin, Gold, 1500 Cycles S = Socket, Gold, 1500 Cycles H = Pin, Pd/Ni, 1500 Cycles J = Socket, Pd/Ni, 1500 Cycles
Shell Polarization (Plug side)	A, B, C, D, K, L, M, R, N = Normal, U = Universal
Contact Style (Receptacle side)	P = Pin S = Socket
Shell Polarization (Receptacle side)	A, B, C, D, K, L, M, R, N = Normal, U = Universal

"BETTER-THAN-QPL" FEATURES AND BENEFITS

- Secure breach-lock mating connector meets D38999 shock and vibe
- Improved plug ground fingers deliver outstanding EMI performance—equal to D38999 Series III
- Glenair Signature Tin Zinc finish class is RoHS compliant and cadmium compatible
- Precision-machined key/keyway polarization for reliable mismating protection
- Scoop-proof design prevents pin damage and short circuits
- Fully tooled for all MIL-STD-1560 insert arrangements
- Contact options include size #22D, #20, #16, and #12 (see High-Speed series for Size #8)
- 500 mating cycles exceeds MIL-DTL-38999 specification

TABLE I - MATERIAL/FINISH			
Equiv Class	Sym	Material	Finish
W	NF	Aluminum Alloy	Cad/O.D. over Electroless Nickel
G*	MA**		Electroless Nickel, Matte
T*	MT		Nickel-PTFE
F	ME		Electroless Nickel
AA	MN		MegaNickel
V	TZ		Tin-Zinc
Z*	ZR		Zinc Ni, Black (Tri-Valent CR)
K*	Z1	Stainless Steel	Passivate
L*	ZL		Electrodeposited Nickel

* = Glenair Equivalent Only

** = Connectors for space applications must be ordered with "MA" finish and mod code "-186T" to conform to the thermal vacuum outgassing requirements of class G.

TABLE VII - POLARIZING POSITIONS									
	N	A	B	C	D	K	L	M	R
X	110°	100°	90°	80°	70°	120°	120°	120°	120°
Y	250°	260°	270°	280°	290°	255°	265°	275°	285°

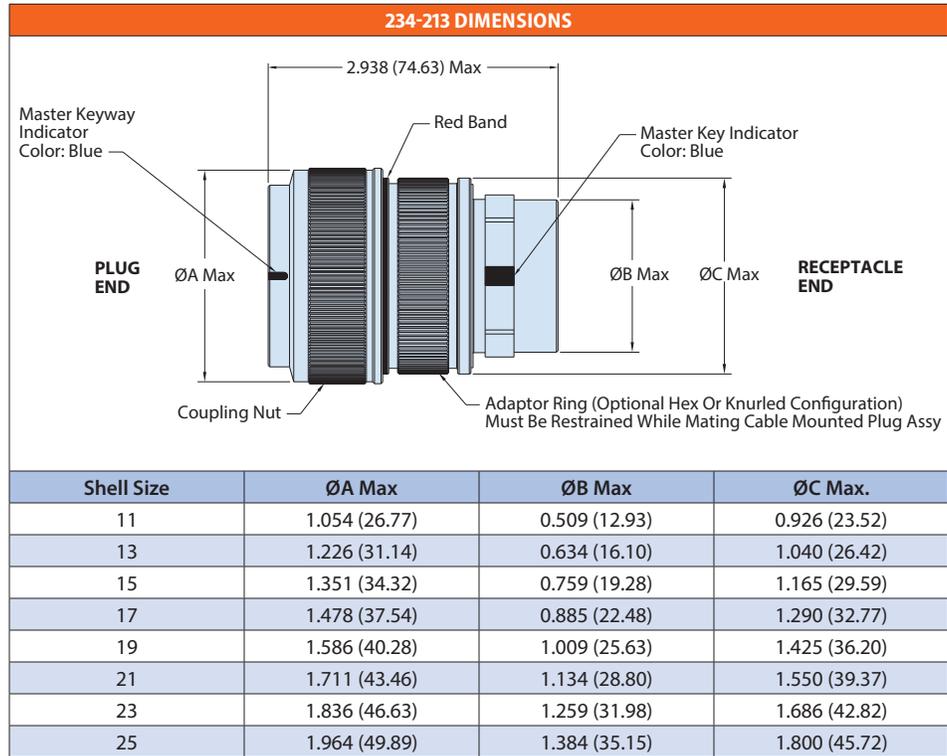
ENVIRONMENTAL CONNECTORS

**MIL-DTL-38999 Series IV Type
234-213 Sav-Con® plug/receptacle connector saver**

ENVIRONMENTAL CONNECTORS

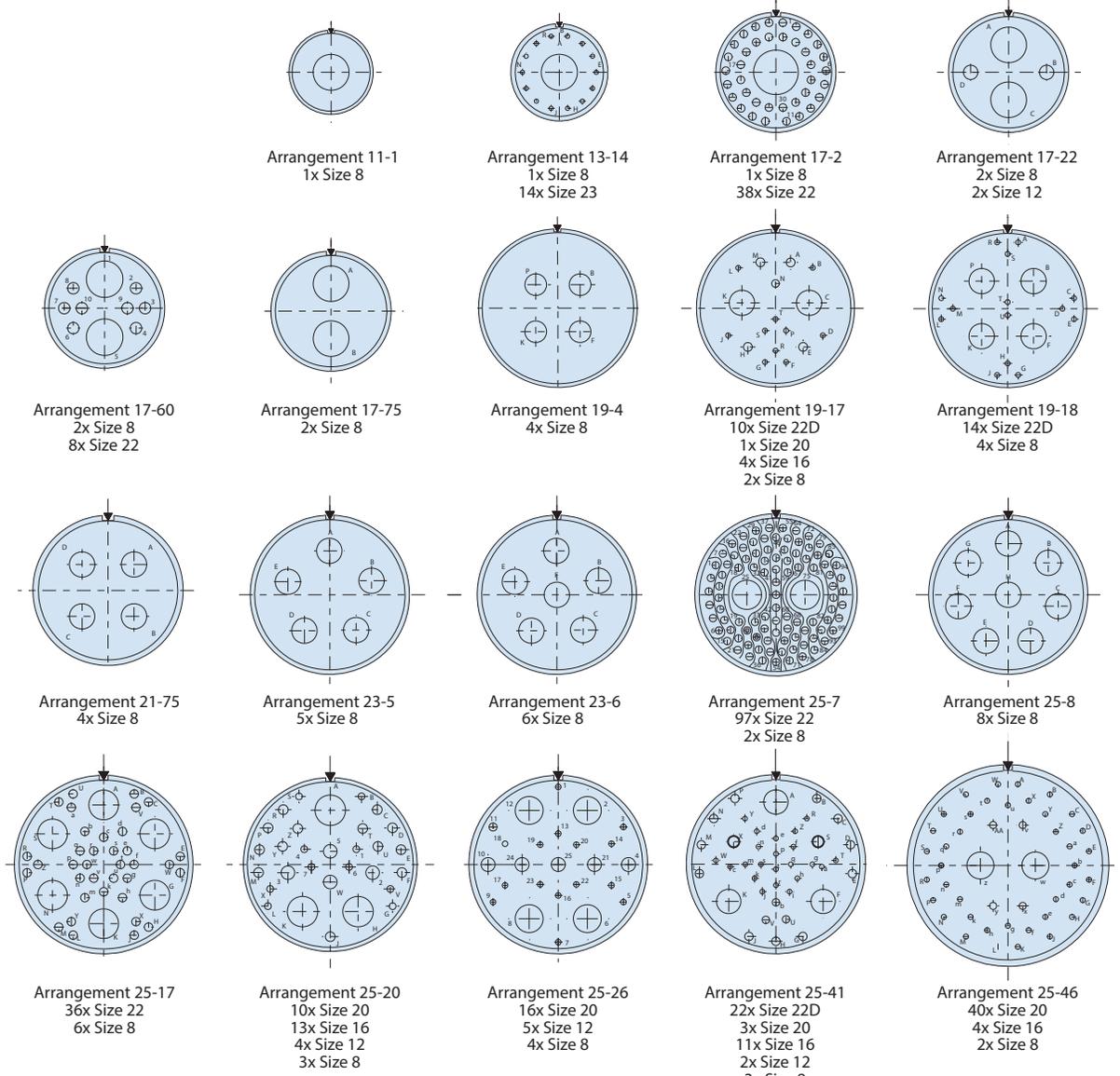
NOTES

1. Materials And Finishes (As Applicable):
 - Shell - See Table I
 - Insulator - High Grade Rigid Dielectric.
 - O-Ring - Silicone.
 - Contacts - Copper Alloy/ Gold Plated (w/ SST Skt Hood)
 - Seals - Fluorosilicone Blend.
2. Glenair 234-213 Series connectors savers are designed to mate with any QPL manufacturer's MIL-DTL-38999 Series IV connectors with same size insert arrangement and polarization.
3. Insert arrangement in accordance with MIL-STD-1560. Contact factory for additional insert arrangements.
4. Alternate polarization "U" (Universal) is a non-standard/ non-mil-spec option which allows for mating to any QPL manufacturer's MIL-DTL-38999, Series IV connector having the same shell size, insert arrangement and mating contact size. Universal connectors are intended for use in testing facilities only and should be highly evaluated before consideration in another environment.
5. Power to a given contact on one end will result in power to a contact directly opposite, regardless of identification letter.
6. Electrical safety limits must be established by user. Peak voltage, switching surge, and transient etc, should be used to determine the safety application.



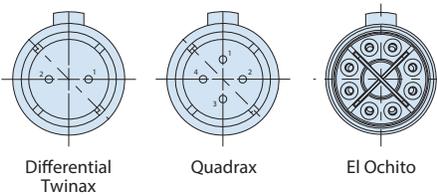
MIL-DTL-38999 Series IV Type
234-217 High-speed plug, and panel mount and jam nut receptacles ins. arrangements

HIGH-SPEED AND HYBRID INSERT ARRANGEMENTS



Insert arrangements, mating face of pin insert shown. Replace X with C, D, E, Q, P, or T (See Table III).

CONTACT INNER PIN ORIENTATION



BREECH-LOCK ENVIRONMENTAL CONNECTORS

MIL-DTL-38999 Series IV Type
234-218 High-speed panel mount receptacles, PC tail insert arrangements

FIGURE 1 - INSERT ARRANGEMENTS

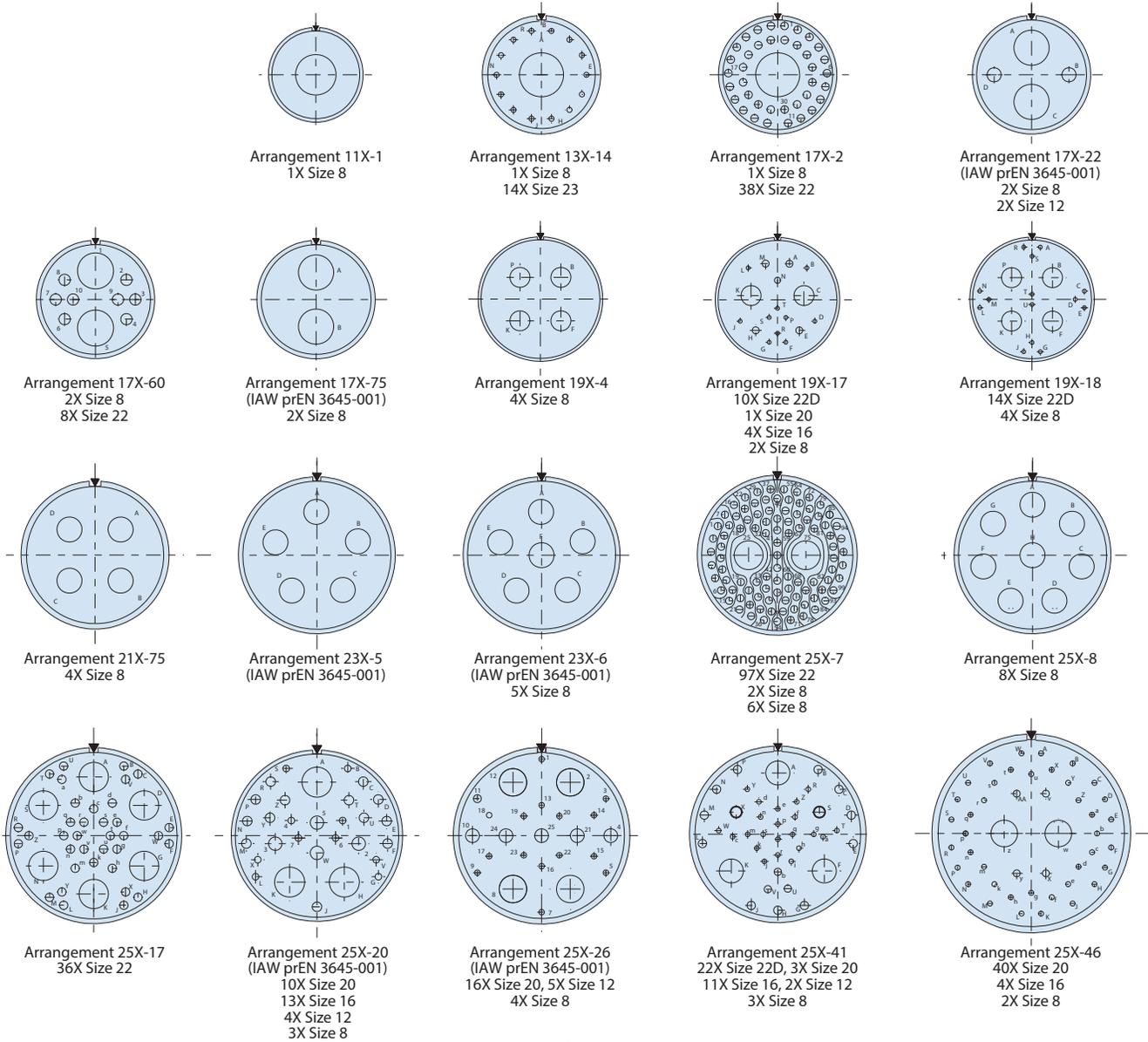
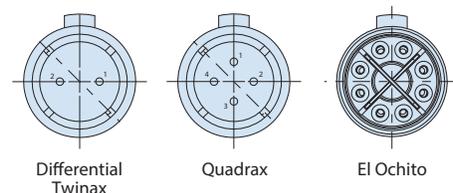


Figure 1
Insert arrangements, mating
face of pin insert shown.
Replace X with C, D, E, Q or T
(See Table VI)

FIGURE 2 - CONTACT INNER PIN ORIENTATION



BREECH-LOCK ENVIRONMENTAL CONNECTORS