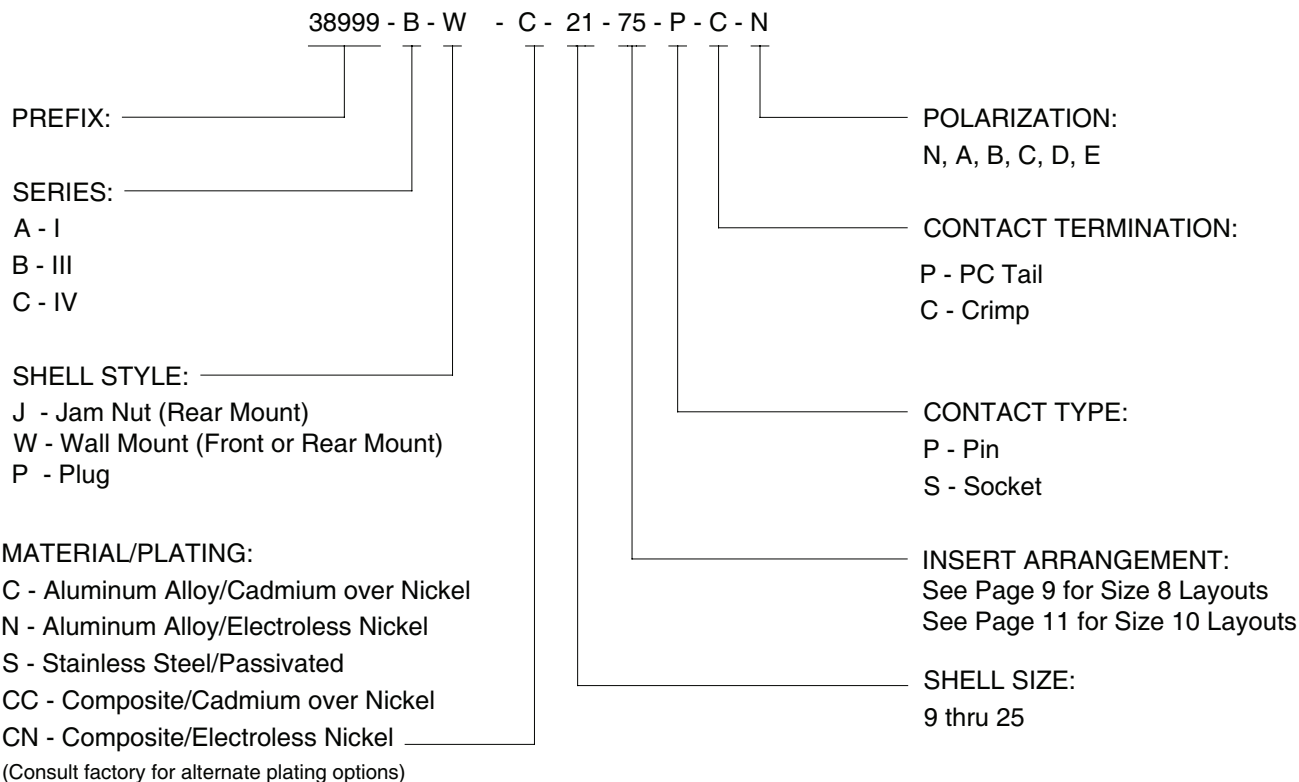
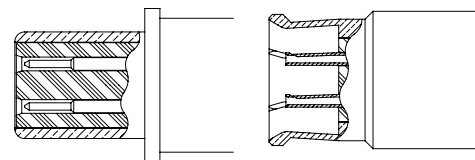


## MIL-DTL-38999 Part Number Description Code



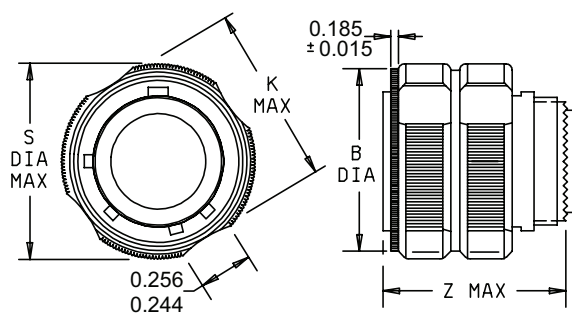
**Notes:**

1. Twinax/Quadcrax Crimp Contacts are sold separately
2. Twinax/Quadcrax PC Contacts are included
3. Sabritec's connectors are fully intermateable with all slash sheet part #'s. Sabritec does not; however, offer standard QPL slash sheet part #'s for MIL-DTL circular and rack & panel connectors because of the application specific nature of Sabritec's product offerings.



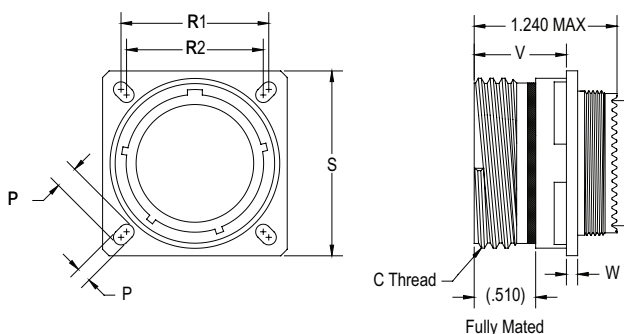
Quadcrax Reverse Gender Interface

### MIL-DTL-38999 Twinax/Quadcrax Plug



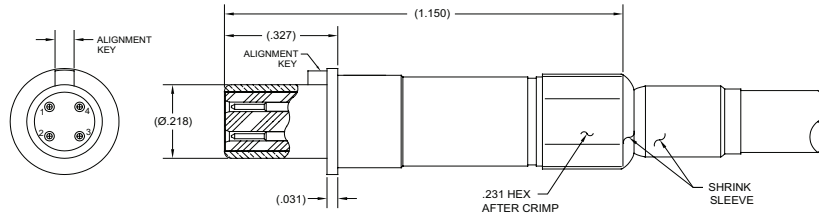
Shell Size	B Dia. +.008 -.0	K Max	S Dia. Max	Z Max
9	0.724	0.748	0.858	1.22
11	0.831	0.862	0.984	
13	1.000	1.028	1.157	
15	1.13	1.154	1.28	
17	1.268	1.291	1.406	
19	1.374	1.398	1.516	
21	1.5	1.524	1.642	
23	1.618	1.642	1.768	
25	1.744	1.768	1.89	

### MIL-DTL-38999 Twinax/Quadcrax Receptacle



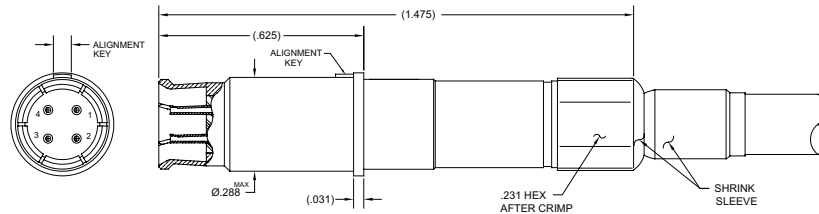
Shell Size	C		P ±.008	R1 BSC	R2 BSC	V Max +0.00 -.005	W Max	PP Max ± .008	S ±.012
	Thread .1 Pitch .3 Lead	P							
9	0.625	0.128	0.820	0.719	0.594	0.098	0.216	0.937	
11	0.75			0.812	0.719			1.031	
13	0.875			0.906	0.812			1.126	
15	1.000			0.969	0.906			1.220	
17	1.188			1.062	0.969			1.311	
19	1.25			1.156	1.062			1.437	
21	1.375	0.154	0.790	1.250	1.156	0.126	0.242	1.563	
23	1.500			1.375	1.250			1.689	
25	1.625			1.500	1.375			1.811	

## Size 8 Quadrax Pin Contact 100 Ohm



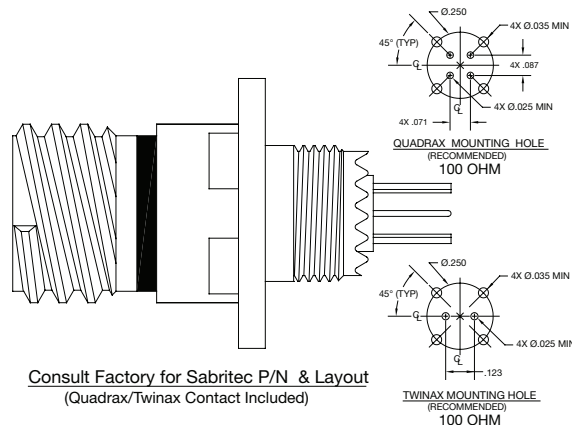
Part Number	Ohms	Cable Type	Cable
019635-0001	100	Differential Quad	540-1183-000
019635-0010	100	Differential Quad	540-1209-000

## Size 8 Quadrax Socket Contact 100 Ohm

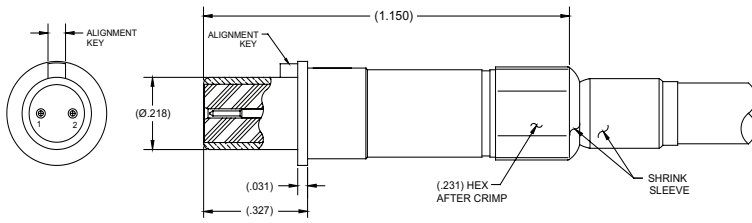


Part Number	Ohms	Cable Type	Cable
019535-0001	100	Differential Quad	540-1183-000
019535-0010	100	Differential Quad	540-1209-000

## Size 8 Quadrax/Twinax Receptacle PC Tail Configuration

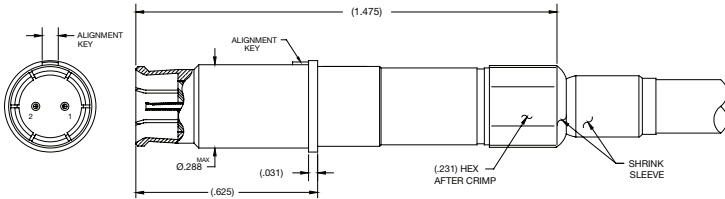


## Size 8 Twinax Pin Contact 100 Ohm



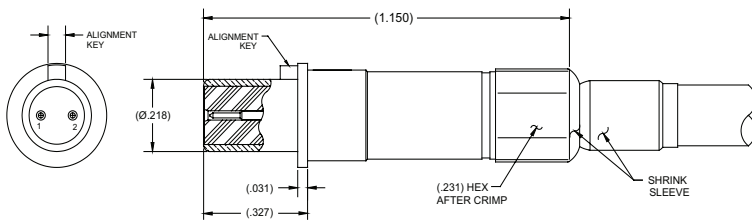
Part Number	Cable Type	Cable
019634-0011	Differential Twinax	540-1167-000
019634-0012	Flexible Twinax	540-1161-000
019634-0013	Differential Twinax	540-1153-000

## Size 8 Twinax Socket Contact 100 Ohm



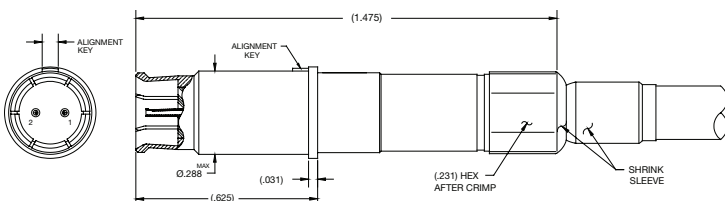
Part Number	Cable Type	Cable
019534-0011	Differential Twinax	540-1167-000
019534-0012	Flexible Twinax	540-1161-000
019534-0013	Differential Twinax	540-1153-000

## Size 8 Twinax Pin Contact 150 Ohm

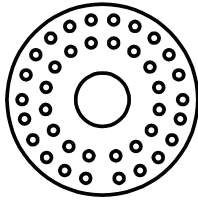


Part Number	Cable Type	Cable
019634-0014	Differential Twinax	540-1099-000
019634-0020	Differential Twinax	540-1236-000

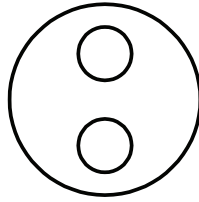
## Size 8 Twinax Socket Contact 150 Ohm



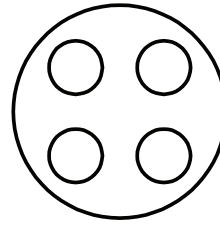
Part Number	Cable Type	Cable
019534-0014	Differential Twinax	540-1099-000
019534-0020	Differential Twinax	540-1236-000



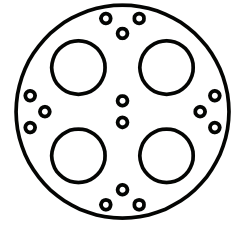
17-2 T/Q  
1 #8  
38 #22D



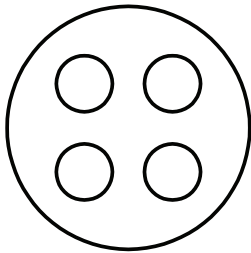
17-82 T/Q  
2 #8



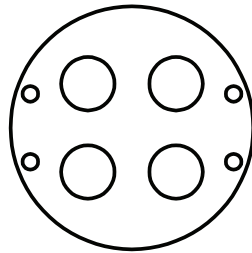
19-4 T/Q  
4 #8



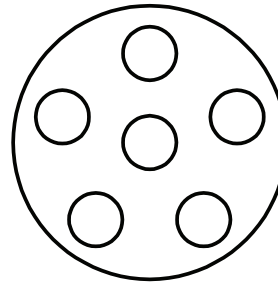
19-18 T/Q  
4 #8  
14 #22D



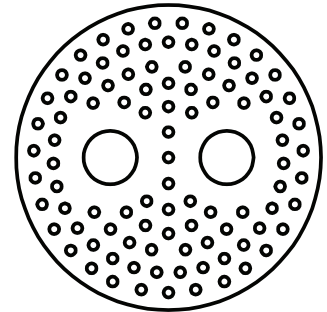
21-75 T/Q  
4 #8



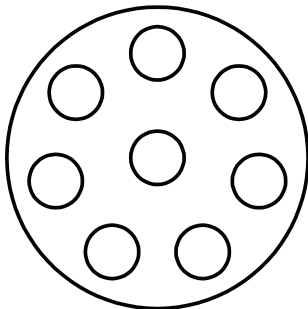
21-4T4 T/Q  
4 #8  
4 #22D



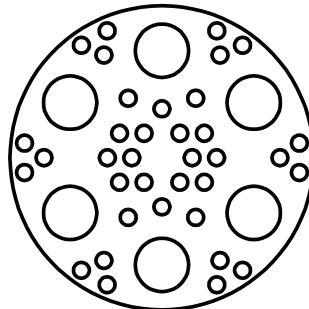
23-6 T/Q  
6 #8



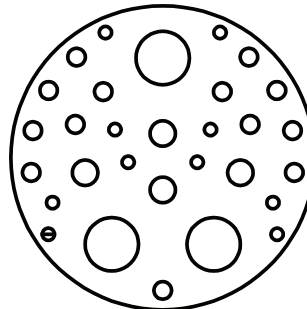
25-7 T/Q  
2 #8  
97 #22D



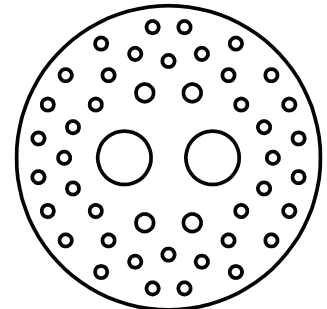
25-8 T/Q  
8 #8



25-17 T/Q  
6 #8  
36 #22D



25-20 T/Q  
3 #8 / 13 #16  
4 #12 / 10 #20



25-46 T/Q  
2 #8  
4 #16  
40 #20

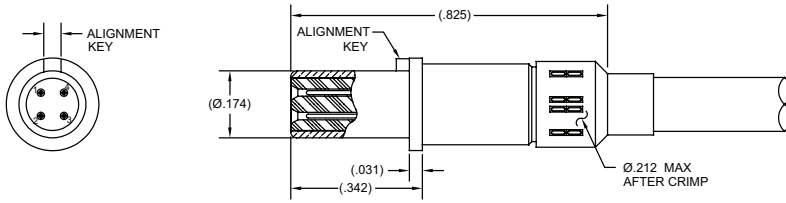
Note 1: Size #8 Twinax/Quadrax (T/Q) Cavities are Anti-Rotational

Note 2: Size #8 Twinax/Quadrax contact cavities are common ground to the connector shell with a ground resistance of 10 milliohms maximum or insulated from common ground. Consult factory for details, please specify preference (common ground or insulated).

Note 3: Mixed signal contacts are insulated from common ground. Consult factory for unique grounding and or filtering requirements.

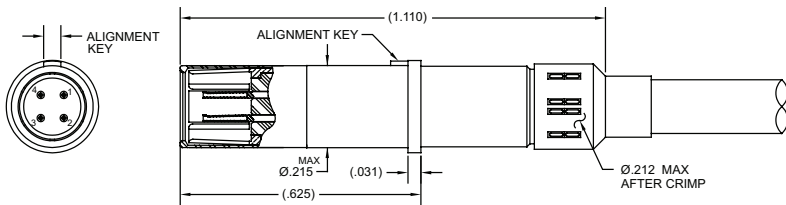
Note 4: Use removal tool M81969/14-12 to remove size 8 contacts.

**Size 10 Quadrax Pin Contact 100 Ohm**



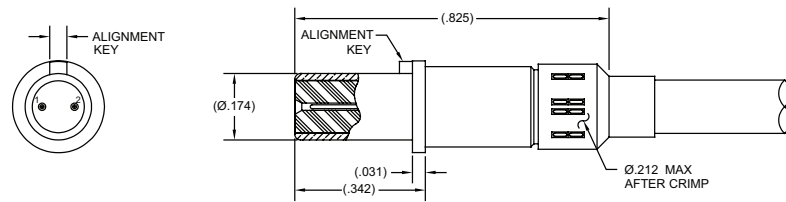
Part Number	Cable Type	Cable
018835-2100	Differential Quadrax	540-1229-000

**Size 10 Quadrax Socket Contact 100 Ohm**



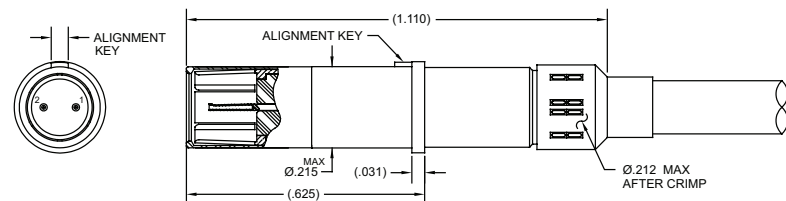
Part Number	Cable Type	Cable
018935-2100	Differential Quadrax	540-1229-000

**Size 10 Twinax Pin Contact 100 Ohm**



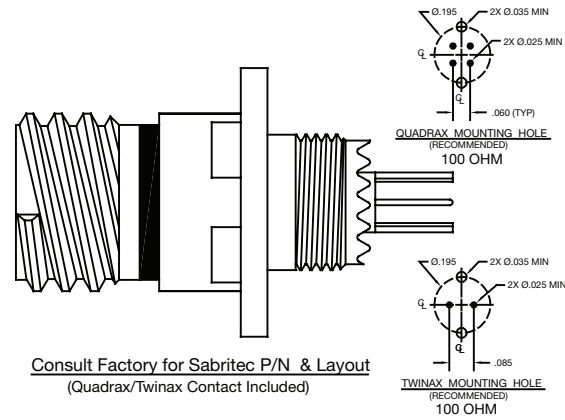
Part Number	Cable Type	Cable
018834-2100	Differential Twinax	540-1210-000

**Size 10 Twinax Socket Contact 100 Ohm**

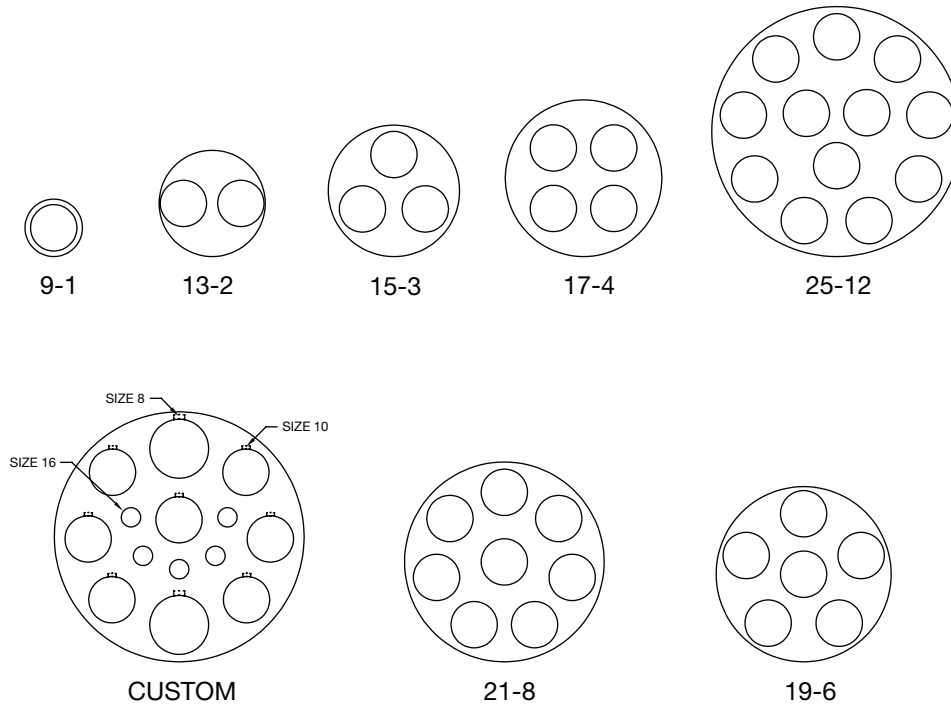


Part Number	Cable Type	Cable
018934-2100	Differential Twinax	540-1210-000

## Size 10 PC Tail Receptacle



## Size 10T/QX Twinax/Quadrax Contact Layouts For Standard MIL-DTL-38999 Shells

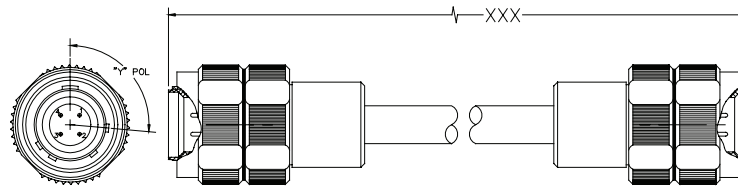


**Notes:**

- Arrangements are unique Sabritec layouts designed for MIL-DTL-38999 connector formats
- Twinax/Quadrax contact cavities are common ground to the connector shell
- Size 10 Twinax/Quadrax (T/QX) cavities are anti-rotational
- To remove Size 10 Twinax/Quadrax contacts use removal tool M81969/14-05

## MIL-DTL-38999 Size 11 Pin Insert Quad Plug to Plug Cable Assembly

Y	Polarization
1	N
2	A
3	B
4	C
5	D
6	E

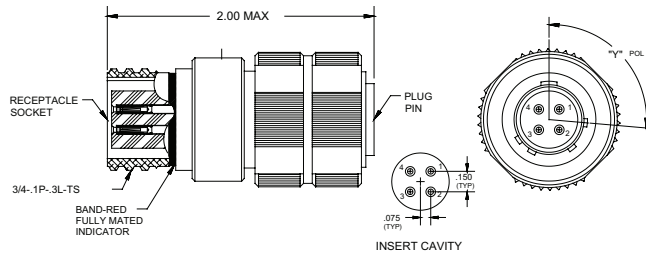


Y = Connector Polarization  
 XXX = Cable Length in Inches

Part Number	Cable Type	Cable
02990Y-2XXX	Differential Quad	540-1138-000
02990Y-3XXX	Differential Quad	540-1143-000

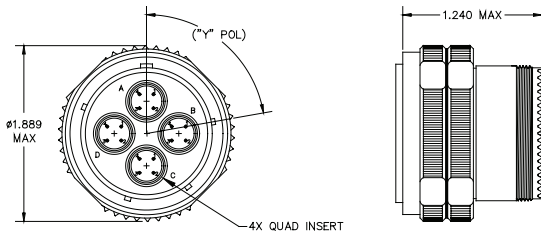
## MIL-DTL-38999 Size 11-4 Connector Saver Quad Configuration

Part Number	Polarization
013500-4100	N
013500-4101	A
013500-4102	B
013500-4103	C
013500-4104	D
013500-4105	E



## MIL-DTL-38999 Size 25 Four Way Socket Insert Quad Plug

Y	Polarization
1	N
2	A
3	B
4	C
5	D
6	E



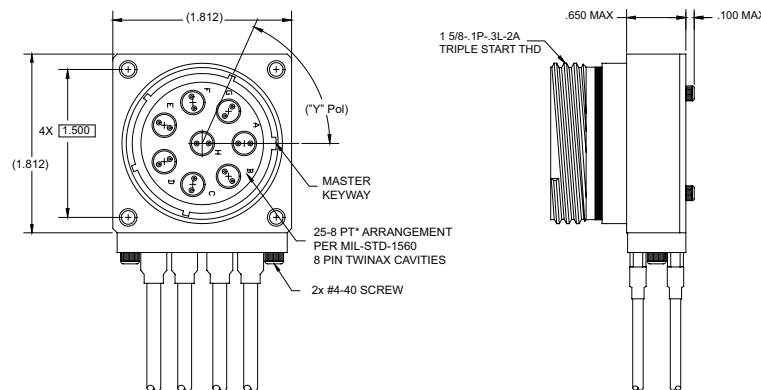
Part Number	Cable Type	Cable
01340Y-2000	Differential Quad	540-1138-000
01340Y-2001	Differential Quad	540-1143-000

Y = Connector Polarization

Please specify cable length when ordering

## Box Mount Receptacle Pin Insert 25-8 PT\* to 8 R/A Twinax Cables to Open Lead

Y	Polarization
1	N
2	A
3	B
4	C
5	D
6	E



Part Number	Cable Type	Cable
02370Y-1XXX	Differential Twinax	540-1099-000

Y = Connector Polarization

XXX = Cable Length in Inches

Please specify cable length when ordering

\* Connector Receptacle is supplied fully loaded with twinax pin contacts terminated to differential pair twinax cable to open lead (all cavities included).