Storm Products Application Guide
Cable and Contacts for Multi-Channel Coax Assemblies

Contact Size		Type	Enhanced Phase Master 190E	Phase Master 190	Phase Master 110	True Blue 205	True Blue 125	Storm Flex 141*	Storm Flex 086*	Storm Flex 047*	RG-316
		High Frequency MIL-C-39029 Style[3] Coax Contacts for use in 38999 Series III and ARINC connectors									
		Cable O.D.	0.199	0.190	0.110	0.205	0.125	0.160	0.096	0.055	0.100
		Cable Part #	421-1108	421-1007	421-1006	421-010	421-011	422-0038	421-710	422-0017	421-716
8	Pin		X	X		X	X	X	X		
	Socket		X	X	X	X	X	Coming Soon	X		
12	Pin				X		X		X^1		
	Socket				X		X		X^1		
16	Pin								X^2	X^1	
	Socket								X^2	X^1	
20	Pin									X^2	
	Socket									X^2	
		High Frequency Coax Contacts for use in D-sub connectors									
20HD[4]	Pin									X^2	
	Socket									X^2	
		Low Frequency Coax Contacts for use in 38999 Series III and ARINC connectors									
8	Pin										X^5
	Socket										X^5
12	Pin										X^5
	Socket										X^5

* Semi-rigid Maximizer Gold & Maximizer Silver cable can be used with these contacts

Contacts will intermate within size except as noted.

1 - Only mates with same manufacturer contacts with noted [1]

2 - Only mates with same manufacturer contacts with noted [2]

3 - Contacts do not conform to all MIL-C-39029 dimensions but fit into contact cavities designed to fit MIL-C-39029 contacts

4 - High Density, Not identical to size 20 contact for 38999 connectors

5 - Only mates with same manufacturer contacts with noted [5]
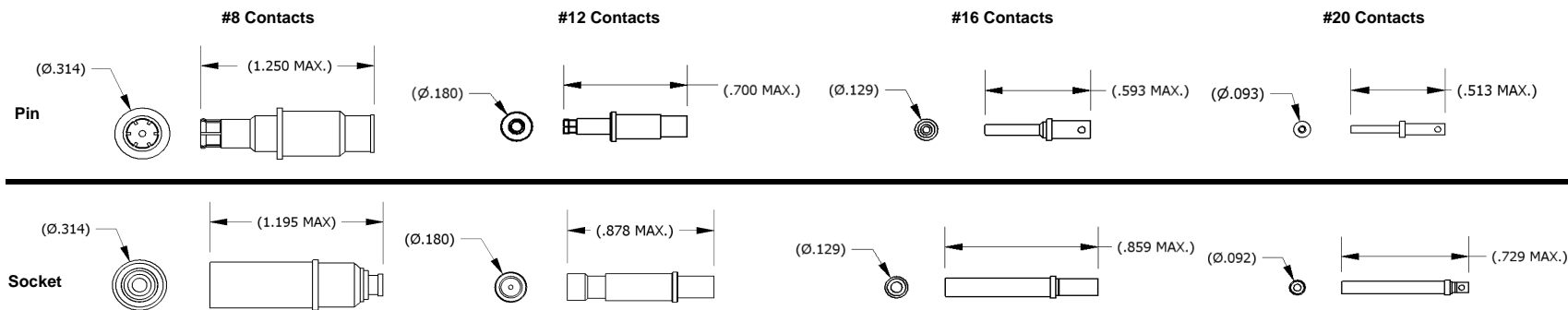
6 - SF 086 cable will typically fit RG-316 contacts, RG-316 cable will typically fit SF 086 contacts as long as usage is low frequency.

Maximum Operating Frequency (Typical): Size 8 - 23 GHz, Size 12 - 26.5 GHz, Size 16 - 26.5 GHz, Size 20 - 26.5 GHz. Consult factory for higher frequency applications

Prefered usage is socket contact in wall mount receptacle, pin contact in plug

Typical Sizes
(consult factory for dimensions for specific applications)

#8 Contacts — Pin: (Ø.314), (1.250 MAX.) — **#12 Contacts** — (Ø.180), (.700 MAX.) — **#16 Contacts** — (Ø.129), (.593 MAX.) — **#20 Contacts** — (Ø.093), (.513 MAX.)

Socket: (Ø.314), (1.195 MAX) — (Ø.180), (.878 MAX.) — (Ø.129), (.859 MAX.) — (Ø.092), (.729 MAX.)

Note: Figures are actual size.

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