Amphenol | 2M Micro-Miniature

2M AMPHENOL VS. COMPETITION

Exceeds D38999 Vibrations and Shock

2M801 (Anti-Decoupling Plug) & 2M805 Level:

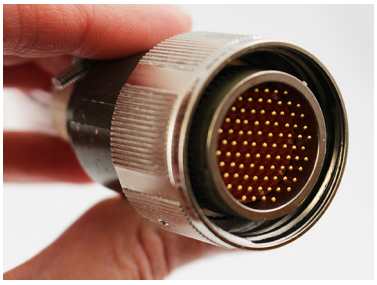
Random Vibration: 43.9g RMS
Sine Vibration: 60g

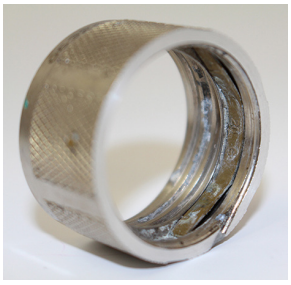
Competition's 801 & 805 Level:

Random Vibration: 37.8g RMS
Sine Vibration: 30g

2M After Vibration

Competition After Vibration





Improved Shell to Shell Conductivity

Amphenol's Levels:

Series	Voltage Drop
2M801	2.5
2M803	200
2M804	4
2M805	2

Competition's Levels:

Series	Voltage Drop
801	20
803	200
804	4
805	4

Superior Shielding Effectiveness

2M804 & 2M805 Levels: (MIL-DTL-38999 Level)

Frequency (MHz)	dB Min. Attenuation
100	90
200	88
300	88
400	87
800	85
1000	85

Competition's Levels:

Frequency (MHz)	dB Min. Attenuation
100	75
200	70
300	65
400	63
800	58
1000	55

Superior Durability

Mating Cycles:

2M801 (Anti-Decoupling Plug) & 2M805: 500 Mates
Competition's 801 & 805: Failed 500 Mates

2M803: 1000 Mates
Competition's 803: 250 Mates

Insert Retention:

2M Inserts: 100 lbs. push out force
Competition's Inserts: 25 lbs. push out force

Contact Retention:

2M Contacts, size 23: 10 lbs. per D38999
Competition's Contact, size 23: 6 lbs.