

AMPHENOL MS / Standard Connectors **Amphenol**[®]

MIL-C-5015 TYPE CIRCULAR CONNECTORS

MS connectors meet the latest performance requirements of MIL-DTL-5015. These connectors represent well-proven electrical capability at an acceptable cost for most equipment where durability is important. MS connectors are best suited to commercial applications where low cost and durability are necessary. MIL-DTL-5015 features threaded couplings and single key/keyway polarization, representing maximum simplicity in design.

Materials:

- Shells: Fabricated from high grade aluminum alloy with an olive drab chromate finish
- Contacts: Machined copper alloy with a silver plated finish
- Inserts: Black resilient neoprene

Insert Arrangements:

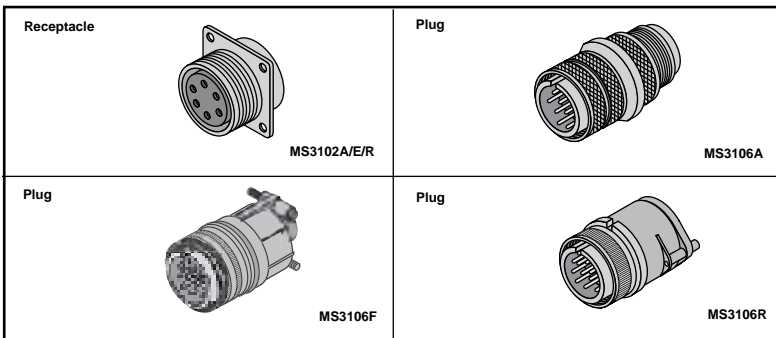
- Please see the insert arrangement table in the 97 series catalog section
- A – Solid Shell – for general, non-environmental applications.
- E/F – Environmental Resisting with Strain Relief – designed for applications where the connector will be exposed to moisture, vibration, and rapid change in pressure and temperature.
- R – Lightweight Environmental Resisting – shorter in length and lighter in weight than the E and F classes, the MS-R offers a high degree of reliability under adverse conditions. Recommended for new design applications

Features:

- Durable, field-proven design
- Environmental resistant
- Resilient inserts
- Operating voltage to 3000 VAC (RMS) at sea level
- Threaded couplings
- Single key/keyway shell polarization
- Cost effective

Applications:

- Engines
- Sensors
- Motion Control
- Off-Road Vehicles
- Mobile Equipment
- Industrial Machinery
- Telecommunications
- Power Generators
- Ships



A-Type - Standard Duty

MS-A class connectors perform many of the vital functions in powering, testing and ground support systems. Class A applications include communications equipment, computers and shipboard installations where mechanical forces and physical parameters are not subject to environmental changes. Inserts offer high dielectric strength, high arc resistance and resistance to vibration.

Box Mount Receptacles

Straight Plugs

For quantities of 100 and up, call for quote.

# of Pos.	Insert Arrangement	Contact Size	MOUSER STOCK NO.	Amphenol Part No.	Contact Type	Price Each			MOUSER STOCK NO.	Amphenol Part No.	Contact Type	Price Each		
						1	5	10				1	5	10
2	10SL-4	#12	654-MS3102A10SL-4P	MS3102A10SL-4P	Pin				654-MS3106A10SL-4S	MS3106A10SL-4S	Socket			
2	12S-3P	#12	654-MS3102A12S-3P	MS3102A12S-3P	Pin				654-MS3106A12S-3S	MS3106A12S-3S	Socket			
2	12S-3S	#12	654-MS3102A12S-3S	MS3102A12S-3S	Socket				654-MS3106A12S-3P	MS3106A12S-3P	Pin			
2	16-11S	#12	654-MS3102A16-11S	MS3102A16-11S	Socket				654-MS3106A16-11P	MS3106A16-11P	Pin			
2	16-11	#12	654-MS3102A16-11P	MS3102A16-11P	Pin				654-MS3106A16-11S	MS3106A16-11S	Socket			
2	20-23	#8	654-MS3102A20-23S	MS3102A20-23S	Socket				654-MS3106A20-23P	MS3106A20-23P	Pin			
3	10SL-3	#16	654-MS3102A10SL-3P	MS3102A10SL-3P	Pin				654-MS3106A10SL-3S	MS3106A10SL-3S	Socket			
3	10SL-3	#16	654-MS3102A10SL-3S	MS3102A10SL-3S	Socket				654-MS3106A10SL-3P	MS3106A10SL-3P	Pin			
3	16-10	#12	654-MS3102A16-10P	MS3102A16-10P	Pin				654-MS3106A16-10S	MS3106A16-10S	Socket			
3	16-10	#16	654-MS3102A16-10S	MS3102A16-10S	Socket				654-MS3106A16-10P	MS3106A16-10P	Pin			
3	14S-7	#16	654-MS3102A14S-7P	MS3102A14S-7P	Pin				654-MS3106A14S-7S	MS3106A14S-7S	Socket			
3	14S-7	#16	654-MS3102A14S-7S	MS3102A14S-7S	Socket				654-MS3106A14S-7P	MS3106A14S-7P	Pin			
3	16S-5P	#16	654-MS3102A16S-5P	MS3102A16S-5P	Pin				654-MS3106A16S-5S	MS3106A16S-5S	Socket			
3	22-9	#12	654-MS3102A22-9P	MS3102A22-9P	Pin				654-MS3106A22-9S	MS3106A22-9S	Socket			
4	14S-2	#16	654-MS3102A14S-2P	MS3102A14S-2P	Pin				654-MS3106A14S-2S	MS3106A14S-2S	Socket			
4	14S-2	#16	654-MS3102A14S-2S	MS3102A14S-2S	Socket				654-MS3106A14S-2P	MS3106A14S-2P	Pin			
4	18-4	#16	654-MS3102A18-4P	MS3102A18-4P	Pin				654-MS3106A18-4S	MS3106A18-4S	Socket			
4	18-4	#16	654-MS3102A18-4S	MS3102A18-4S	Socket				654-MS3106A18-4P	MS3106A18-4P	Pin			
4	20-4	#12	654-MS3102A20-4P	MS3102A20-4P	Pin				654-MS3106A20-4S	MS3106A20-4S	Socket			
4	20-7	#16	654-MS3102A20-7S	MS3102A20-7S	Socket				654-MS3106A20-7P	MS3106A20-7P	Pin			
4	22-22	#8	654-MS3102A22-22P	MS3102A22-22P	Pin				654-MS3106A22-22S	MS3106A22-22S	Socket			
4	22-22	#8	654-MS3102A22-22S	MS3102A22-22S	Socket				654-MS3106A22-22P	MS3106A22-22P	Pin			
5	14S-5	#16	654-MS3102A14S-5P	MS3102A14S-5P	Pin				654-MS3106A14S-5S	MS3106A14S-5S	Socket			
5	14S-5	#16	654-MS3102A14S-5S	MS3102A14S-5S	Socket				654-MS3106A14S-5P	MS3106A14S-5P	Pin			
5	16S-8	#16	654-MS3102A16S-8P	MS3102A16S-8P	Pin				654-MS3106A16S-8S	MS3106A16S-8S	Socket			
5	16S-8S	#16	654-MS3102A16S-8S	MS3102A16S-8S	Socket				654-MS3106A16S-8P	MS3106A16S-8P	Pin			
5	18-11	#12	654-MS3102A18-11P	MS3102A18-11P	Pin				654-MS3106A18-11S	MS3106A18-11S	Socket			
6	14S-6	#16	654-MS3102A14S-6P	MS3102A14S-6P	Pin				654-MS3106A14S-6S	MS3106A14S-6S	Socket			
6	14S-6	#16	654-MS3102A14S-6S	MS3102A14S-6S	Socket				654-MS3106A14S-6P	MS3106A14S-6P	Pin			
7	16S-1	#16	654-MS3102A16S-1P	MS3102A16S-1P	Pin				654-MS3106A16S-1S	MS3106A16S-1S	Socket			
7	16S-1	#16	654-MS3102A16S-1S	MS3102A16S-1S	Socket				654-MS3106A16S-1P	MS3106A16S-1P	Pin			
8	18-8	#12	654-MS3102A18-8P	MS3102A18-8P	Pin				654-MS3106A18-8S	MS3106A18-8S	Socket			
8	22-23	#12	654-MS3102A22-23P	MS3102A22-23P	Pin				654-MS3106A22-23S	MS3106A22-23S	Socket			
9	22-20	#12	654-MS3102A22-20S	MS3102A22-20S	Socket				654-MS3106A20-4P	MS3106A20-4P	Pin			
9	24-11	3#8/6#12	654-MS3102A24-11P	MS3102A24-11P	Pin				654-MS3106A24-11S	MS3106A24-11S	Socket			
9	24-11	3#8/6#12	654-MS3102A24-11S	MS3102A24-11S	Socket				654-MS3106A24-11P	MS3106A24-11P	Pin			
10	18-1	#16	654-MS3102A18-1P	MS3102A18-1P	Pin				654-MS3106A18-1S	MS3106A18-1S	Socket			
10	18-1	#16	654-MS3102A18-1S	MS3102A18-1S	Socket				654-MS3106A18-1P	MS3106A18-1P	Pin			
10	20-27	#16	654-MS3102A20-27P	MS3102A20-27P	Pin				654-MS3106A20-27S	MS3106A20-27S	Socket			
10	20-27	#16	654-MS3102A20-27S	MS3102A20-27S	Socket				654-MS3106A20-27P	MS3106A20-27P	Pin			
10	18-19	#16	654-MS3102A18-19S	MS3102A18-19S	Socket				654-MS3106A18-19P	MS3106A18-19P	Pin			
14	22-19	#16	654-MS3102A22-19S	MS3102A22-19S	Socket				654-MS3106A22-19P	MS3106A22-19P	Pin			
17	20-29	#16	654-MS3102A20-29P	MS3102A20-29P	Pin				654-MS3106A20-29S	MS3106A20-29S	Socket			
17	20-29	#16	654-MS3102A20-29S	MS3102A20-29S	Socket				654-MS3106A20-29P	MS3106A20-29P	Pin			
19	22-14	#16	654-MS3102A22-14P	MS3102A22-14P	Pin				654-MS3106A22-14S	MS3106A22-14S	Socket			
19	22-14	#16	654-MS3102A22-14S	MS3102A22-14S	Socket				654-MS3106A22-14P	MS3106A22-14P	Pin			
20	28-16	#16	654-MS3102A28-16S	MS3102A28-16S	Socket				654-MS3106A28-16P	MS3106A28-16P	Pin			
24	24-28	#16	654-MS3102A24-28P	MS3102A24-28P	Pin				654-MS3106A24-28S	MS3106A24-28S	Socket			
24	24-28	#16	654-MS3102A24-28S	MS3102A24-28S	Socket				654-MS3106A24-28P	MS3106A24-28P	Pin			
37	28-21	#16	654-MS3102A28-21S	MS3102A28-21S	Socket				654-MS3106A28-21P	MS3106A28-21P	Pin			
37	28-21	#16	654-MS3102A28-21P	MS3102A28-21P	Pin				654-MS3106A28-21S	MS3106A28-21S	Socket			