

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

MIL-C-5015 TYPE CIRCULAR CONNECTORS (CONT.)

E/F-Type - Environmental Resisting

MS Class F connectors satisfy all the performance requirements of MIL-DTL-5015. These connectors are recommended for conditions where vibration, moisture, pressure and temperatures are extreme. Inserts provide an outstanding moisture barrier, high dielectric strength and resistance to vibration. Either pin or socket insert can be pressurized.

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	#16	654-MS3102E10SL-4P	MS3102E10SL-4P	Pin				654-MS3106F10SL-4S	MS3106F10SL-4S	Socket			
2	16-11	#12	654-MS3102E16-11P	MS3102E16-11P	Pin				654-MS3106F16-11S	MS3106F16-11S	Socket			
2	16-11	#12	654-MS3102E16-11S	MS3102E16-11S	Socket				654-MS3106F16-11P	MS3106F16-11P	Pin			
3	10SL-3	#16	654-MS3102E-10SL-3P	MS3102E-10SL-3P	Pin				654-MS3106F-10SL-3S	MS3106F-10SL-3S	Socket			
3	10SL-3	#16	654-MS3102E10SL-3S	MS3102E10SL-3S	Socket				654-MS3106F10SL-3P	MS3106F10SL-3P	Pin			
3	14S-7	#16	654-MS3102E14S-7P	MS3102E14S-7P	Pin				654-MS3106F14S-7S	MS3106F14S-7S	Socket			
3	14S-7	#16	654-MS3102E14S-7S	MS3102E14S-7S	Socket				654-MS3106F14S-7P	MS3106F14S-7P	Pin			
3	16-10	#12	654-MS3102E16-10P	MS3102E16-10P	Pin				654-MS3106F16-10S	MS3106F16-10S	Socket			
3	16-10	#12	654-MS3102E16-10S	MS3102E16-10S	Socket				654-MS3106F16-10P	MS3106F16-10P	Pin			
3	20-3	#12	654-MS3102E20-3P	MS3102E20-3P	Pin				654-MS3106F20-3S	MS3106F20-3S	Socket			
3	20-3	#12	654-MS3102E20-3S	MS3102E20-3S	Socket				654-MS3106F20-3P	MS3106F20-3P	Pin			
4	14S-2	#16	654-MS3102E14S-2P	MS3102E14S-2P	Pin				654-MS3106F14S-2S	MS3106F14S-2S	Socket			
4	14S-2	#16	654-MS3102E14S-2S	MS3102E14S-2S	Socket				654-MS3106F14S-2P	MS3106F14S-2P	Pin			
4	18-4	#16	654-MS3102E18-4P	MS3102E18-4P	Pin				654-MS3106F18-4S	MS3106F18-4S	Socket			
4	18-4	#16	654-MS3102E18-4S	MS3102E18-4S	Socket				654-MS3106F18-4P	MS3106F18-4P	Pin			
4	20-4	#12	654-MS3102E20-4P	MS3102E20-4P	Pin				654-MS3106F20-4S	MS3106F20-4S	Socket			
4	20-4	#12	654-MS3102E20-4S	MS3102E20-4S	Socket				654-MS3106F20-4P	MS3106F20-4P	Pin			
4	22-22	#8	654-MS3102E22-22P	MS3102E22-22P	Pin				654-MS3106F22-22S	MS3106F22-22S	Socket			
4	22-22	#8	654-MS3102E22-22S	MS3102E22-22S	Socket				654-MS3106F22-22P	MS3106F22-22P	Pin			
5	14S-5	#16	654-MS3102E14S-5P	MS3102E14S-5P	Pin				654-MS3106F14S-5S	MS3106F14S-5S	Socket			
5	14S-5	#16	654-MS3102E14S-5S	MS3102E14S-5S	Socket				654-MS3106F14S-5P	MS3106F14S-5P	Pin			
5	18-11	#12	654-MS3102E18-11P	MS3102E18-11P	Pin				654-MS3106F18-11S	MS3106F18-11S	Socket			
5	16S-8	#16	654-MS3102E16S-8P	MS3102E16S-8P	Pin				654-MS3106F16S-8S	MS3106F16S-8S	Socket			
6	14S-6	#16	654-MS3102E14S-6P	MS3102E14S-6P	Pin				654-MS3106F14S-6S	MS3106F14S-6S	Socket			
6	14S-6	#16	654-MS3102E14S-6S	MS3102E14S-6S	Socket				654-MS3106F14S-6P	MS3106F14S-6P	Pin			
7	16S-1	#16	654-MS3102E16S-1P	MS3102E16S-1P	Pin				654-MS3106F16S-1S	MS3106F16S-1S	Socket			
7	16S-1	#16	654-MS3102E16S-1S	MS3102E16S-1S	Socket				654-MS3106F16S-1P	MS3106F16S-1P	Pin			
8	20-7	#16	654-MS3102E20-7S	MS3102E20-7S	Socket				654-MS3106F20-7P	MS3106F20-7P	Pin			
8	20-7	#16	654-MS3102E20-7P	MS3102E20-7P	Pin				654-MS3106F20-7S	MS3106F20-7S	Socket			
9	24-11	3#8/6#12	654-MS3102E24-11S	MS3102E24-11S	Socket				654-MS3106F24-11P	MS3106F24-11P	Pin			
10	18-1	#16	654-MS3102E18-1P	MS3102E18-1P	Pin				654-MS3106F18-1S	MS3106F18-1S	Socket			
10	18-1	#16	654-MS3102E18-1S	MS3102E18-1S	Socket				654-MS3106F18-1P	MS3106F18-1P	Pin			
14	20-27	#16	654-MS3102E20-27P	MS3102E20-27P	Pin				654-MS3106F20-27S	MS3106F20-27S	Socket			
14	20-27	#16	654-MS3102E20-27S	MS3102E20-27S	Socket				654-MS3106F20-27P	MS3106F20-27P	Pin			
14	22-19	#16	654-MS3102E22-19S	MS3102E22-19S	Socket				654-MS3106F22-19P	MS3106F22-19P	Pin			
17	20-29	#16	654-MS3102E20-29P	MS3102E20-29P	Pin				654-MS3106F20-29S	MS3106F20-29S	Socket			
17	20-29	#16	654-MS3102E20-29S	MS3102E20-29S	Socket				654-MS3106F20-29P	MS3106F20-29P	Pin			
19	22-14	#16	654-MS3102E22-14P	MS3102E22-14P	Pin				654-MS3106F22-14S	MS3106F22-14S	Socket			
19	22-14	#16	654-MS3102E22-14S	MS3102E22-14S	Socket				654-MS3106F22-14P	MS3106F22-14P	Pin			
24	24-28	#16	654-MS3102E24-28P	MS3102E24-28P	Pin				654-MS3106F24-28S	MS3106F24-28S	Socket			
24	24-28	#16	654-MS3102E24-28S	MS3102E24-28S	Socket				654-MS3106F24-28P	MS3106F24-28P	Pin			
37	28-21	#16	654-MS3102E28-21P	MS3102E28-21P	Pin				654-MS3106F28-21S	MS3106F28-21S	Socket			
37	28-21	#16	654-MS3102E28-21S	MS3102E28-21S	Socket				654-MS3106F28-21P	MS3106F28-21P	Pin			

Amphenol Circular Connectors

R-Type - Lightweight Environmental

Specification requirements for greater reliability in a shorter, lighter weight environmental resistant connector led to the design of the MS-R. MS Class R connectors satisfy all the performance requirements of MIL-DTL-5015.

This low profile assembly was attained by moving the axial compression nut and grommet assembly forward and flush with the rear of the insert. The neoprene grommet, with its low coefficient of friction, assures easier threading of wire bundles and quicker assembly and serviceability of the unit. Molded webs in each wire hole insure a moisture barrier around each wire.

The addition of an "O" ring at the main joint of all MS3106R plugs provide a main joint seal supplementary to the interfacial seal, thus insuring a higher degree of reliability when connector halves from different sources are employed. MS-R types are recommended for new design applications.

Inserts provide an outstanding moisture barrier, maximum vibration resistance and high dielectric strength. Either pin or socket insert can be pressurized.

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	#16	654-MS3102R10SL-4P	MS3102R10SL-4P	Pin				654-MS3106R10SL-4S	MS3106R10SL-4S	Socket			
2	16-11	#12	654-MS3102R16-11P	MS3102R16-11P	Pin				654-MS3106R16-11S	MS3106R16-11S	Socket			
2	16-11	#12	654-MS3102R16-11S	MS3102R16-11S	Socket				654-MS3106R16-11P	MS3106R16-11P	Pin			
3	16-10	#12	654-MS3102R16-10S	MS3102R16-10S	Socket				654-MS3106R16-10P	MS3106R16-10P	Pin			
3	10SL-3	#16	654-MS3102R10SL-3P	MS3102R10SL-3P	Pin				654-MS3106R10SL-3S	MS3106R10SL-3S	Socket			
3	10SL-3	#16	654-MS3102R10SL-3S	MS3102R10SL-3S	Socket				654-MS3106R10SL-3P	MS3106R10SL-3P	Pin			
3	14S-7	#16	654-MS3102R14S-7P	MS3102R14S-7P	Pin				654-MS3106R14S-7S	MS3106R14S-7S	Socket			
3	16-10	#12	654-MS3102R16-10P	MS3102R16-10P	Pin				654-MS3106R16-10S	MS3106R16-10S	Socket			
3	14S-7	#16	654-MS3102R14S-7S	MS3102R14S-7S	Socket				654-MS3106R14S-7P	MS3106R14S-7P	Pin			
3	14S-2	#16	654-MS3102R14S-2P	MS3102R14S-2P	Pin				654-MS3106R14S-2S	MS3106R14S-2S	Socket			
4	20-4	#12	654-MS3100R20-4S	MS3100R20-4S	Socket				654-MS3106R20-4P	MS3106R20-4P	Pin			
4	14S-2	#16	654-MS3102R14S-2S	MS3102R14S-2S	Socket				654-MS3106R14S-2P	MS3106R14S-2P	Pin			
4	20-4	#12	654-MS3102R20-4P	MS3102R20-4P	Pin				654-MS3106R20-4S	MS3106R20-4S	Socket			
5	14S-5	#16	654-MS3102R14S-5P	MS3102R14S-5P	Pin				654-MS3106R14S-5S	MS3106R14S-5S	Socket			
5	14S-5	#16	654-MS3102R14S-5S	MS3102R14S-5S	Socket				654-MS3106R14S-5P	MS3106R14S-5P	Pin			
5	16S-8	#16	654-MS3102R16S-8P	MS3102R16S-8P	Pin				654-MS3106R16S-8S	MS3106R16S-8S	Socket			
5	16S-8	#16	654-MS3102R16S-8S	MS3102R16S-8S	Socket				654-MS3106R16S-8P	MS3106R16S-8P	Pin			
5	18-11	#12	654-MS3102R18-11S	MS3102R18-11S	Socket				654-MS3106R18-11P	MS3106R18-11P	Pin			
6	14S-6	#16	654-MS3102R14S-6P	MS3102R14S-6P	Pin				654-MS3106R14S-6S	MS3106R14S-6S	Socket			
6	14S-6	#16	654-MS3102R14S-6S	MS3102R14S-6S	Socket				654-MS3106R14S-6P	MS3106R14S-6P	Pin			
7	16S-1	#16	654-MS3102R16S-1P	MS3102R16S-1P	Pin				654-MS3106R16S-1S	MS3106R16S-1S	Socket			
7	16-1	#16	654-MS3102R16S-1S	MS3102R16S-1S	Socket				654-MS3106R16S-1P	MS3106R16S-1P	Pin			
8	22-23	#12	654-MS3102R22-23S	MS3102R22-23S	Socket				654-MS3106R22-23P	MS3106R22-23P	Pin			
9	24-11	3#8/6#12	654-MS3102R24-11P	MS3102R24-11P	Pin				654-MS3106R24-11S	MS3106R24-11S	Socket			
10	18-1	#16	654-MS3102R18-1P	MS3102R18-1P	Pin				654-MS3106R18-1S	MS3106R18-1S	Socket			
14	20-27	#16	654-MS3102R20-27P	MS3102R20-27P	Pin				654-MS3106R20-27S	MS3106R20-27S	Socket			
17	20-29	#16	654-MS3102R20-29P	MS3102R20-29P	Pin				654-MS3106R20-29S	MS3106R20-29S	Socket			
17	20-29	#16	654-MS3102R20-29S	MS3102R20-29S	Socket				654-MS3106R20-29P	MS3106R20-29P	Pin			