

# AMPHENOL Miniature Cylindrical Connectors Amphenol®

## MS TYPE ENVIRONMENTAL MINIATURE BAYONET CONNECTORS (MIL-DTL-26482, SERIES 1)

### Features:

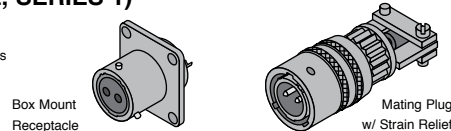
- Bayonet couplings with 5 key/keyway polarization
- Visual confirmation of complete mating
- Durable, field-proven design
- Solder contacts
- All connectors shipped assembled and individually packaged

### Specifications:

- Temperature Range: -40°F to +185°F (IEC 60068-1)
- Shells: Fabricated from high grade aluminum alloy with an olive drab chromate finish
- Contacts: Machined copper alloy
- Inserts: Black resilient neoprene with white printing

### Mating Information:

- Receptacles mate with plugs on the same line.



Insert Arrangements (Front View of Pin Insert)		(Drawings Not to Scale)									
Insert Arrangement	8-2	8-3	12-3	8-4	14-5	10-6	12-8	16-8	12-10		
Contacts	2 #20	3 #20	3 #16	4 #20	5 #16	6 #20	8 #20	8 #16	10 #20		
Insert Arrangement	18-11	14-12	14-15	20-16	14-18	14-19					
Contacts	11 #16	8 #20 4 #16	14 #20 1 #16	16 #16	18 #20	19 #20					
Insert Arrangement	16-26	18-32	20-41	22-55	24-61						
Contacts	26 #20	32 #20	41 #20	55 #20	61 #20						

Amphenol Circular Connectors

### Box Mount Receptacles

### Straight Plugs

For quantities greater than listed, call for quote.

# of Pos.	Insert Arrangement	Contact Size	Test Current	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	8-2	#20	7.5A	654-MS3112E8-2S	MS3112E8-2S	Socket	11.66	11.22	10.75	654-MS3116F8-2P	MS3116F8-2P	Pin	23.38	20.41	18.38
2	8-2	#20	7.5A	654-MS3112E8-2P	MS3112E8-2P	Socket	9.68	8.81	8.09	654-MS3116F8-2S	MS3116F8-2S	Socket	23.27	21.17	19.40
3	8-3	#20	7.5A	654-MS3112E8-3S	MS3112E8-3S	Socket	11.29	10.60	9.74	654-MS3116F8-3P	MS3116F8-3P	Pin	23.46	21.40	19.68
3	8-3	#20	7.5A	654-MS3112E8-3P	MS3112E8-3P	Socket	8.07	7.38	6.79	654-MS3116F8-3S	MS3116F8-3S	Socket	22.62	19.76	19.74
3	12-3	#16	13.0A	654-MS3112E12-3S	MS3112E12-3S	Socket	12.11	11.02	10.12	654-MS3116F12-3P	MS3116F12-3P	Pin	21.36	19.97	19.61
3	12-3	#16	13.0A	654-MS3112E12-3P	MS3112E12-3P	Socket	10.01	9.39	8.76	654-MS3116F12-3S	MS3116F12-3S	Socket	24.42	21.58	20.55
4	8-4	#20	7.5A	654-MS3112E8-4S	MS3112E8-4S	Socket	13.20	12.22	11.36	654-MS3116F8-4P	MS3116F8-4P	Pin	20.44	19.91	17.85
4	8-4	#20	7.5A	654-MS3112E8-4P	MS3112E8-4P	Socket	10.81	10.19	9.33	654-MS3116F8-4S	MS3116F8-4S	Socket	19.97	18.31	16.90
5	14-5	#16	13.0A	654-MS3112E14-5S	MS3112E14-5S	Socket	19.09	17.62	16.32	654-MS3116F14-5P	MS3116F14-5P	Pin	24.32	22.30	20.58
5	14-5	#16	13.0A	654-MS3112E14-5P	MS3112E14-5P	Socket	15.69	14.26	13.07	654-MS3116F14-5S	MS3116F14-5S	Socket	35.46	32.10	29.47
6	10-6	#20	7.5A	654-MS3112E10-6S	MS3112E10-6S	Socket	14.01	12.48	11.58	654-MS3116F10-6P	MS3116F10-6P	Pin	23.65	22.49	21.15
6	10-6	#20	7.5A	654-MS3112E10-6P	MS3112E10-6P	Socket	10.16	9.23	8.47	654-MS3116F10-6S	MS3116F10-6S	Socket	27.72	27.04	24.58
8	12-8	#20	7.5A	654-MS3112E12-8S	MS3112E12-8S	Socket	16.72	14.27	13.17	654-MS3116F12-8P	MS3116F12-8P	Pin	29.43	21.66	19.11
8	12-8	#20	7.5A	654-MS3112E12-8P	MS3112E12-8P	Socket	13.85	12.86	12.37	654-MS3116F12-8S	MS3116F12-8S	Socket	27.34	24.86	22.78
8	16-8	#16	13.0A	654-MS3112E16-8S	MS3112E16-8S	Socket	21.62	19.95	18.52	654-MS3116F16-8P	MS3116F16-8P	Pin	30.86	28.20	25.96
8	16-8	#16	13.0A	654-MS3112E16-8P	MS3112E16-8P	Socket	18.91	18.23	16.92	654-MS3116F16-8S	MS3116F16-8S	Socket	33.02	30.48	28.30
10	12-10	#20	7.5A	654-MS3112E12-10S	MS3112E12-10S	Socket	25.90	23.12	21.29	654-MS3116F12-10P	MS3116F12-10P	Pin	23.45	21.43	19.73
10	12-10	#20	7.5A	654-MS3112E12-10P	MS3112E12-10P	Socket	13.59	11.73	10.84	654-MS3116F12-10S	MS3116F12-10S	Socket	27.65	24.79	22.43
11	18-11	#16	13.0A	654-MS3112E18-11S	MS3112E18-11S	Socket	30.81	28.24	26.07	654-MS3116F18-11P	MS3116F18-11P	Pin	38.46	34.96	32.04
11	18-11	#16	13.0A	654-MS3112E18-11P	MS3112E18-11P	Socket	22.53	20.41	18.65	654-MS3116F18-11S	MS3116F18-11S	Socket	54.44	48.40	44.68
8+4	14-12	#20/16	7.5/13.0A	654-MS3112E14-12S	MS3112E14-12S	Socket	25.65	23.44	21.57	654-MS3116F14-12P	MS3116F14-12P	Pin	24.58	22.45	20.04
8+4	14-12	#20/16	7.5/13.0A	654-MS3112E14-12P	MS3112E14-12P	Socket	19.76	18.87	17.01	654-MS3116F14-12S	MS3116F14-12S	Socket	32.46	31.19	28.58
14+1	14-15	#20/16	7.5/13.0A	654-MS3112E14-15S	MS3112E14-15S	Socket	24.81	22.98	21.42	654-MS3116F14-15P	MS3116F14-15P	Pin	38.45	35.24	32.54
14+1	14-15	#20/16	7.5/13.0A	654-MS3112E14-15P	MS3112E14-15P	Socket	17.91	16.53	15.24	654-MS3116F14-15S	MS3116F14-15S	Socket	43.19	38.44	35.23
16	20-16	#16	13.0A	654-MS3112E20-16S	MS3112E20-16S	Socket	37.16	34.72	32.16	654-MS3116F20-16P	MS3116F20-16P	Pin	51.41	46.49	43.38
16	20-16	#16	13.0A	654-MS3112E20-16P	MS3112E20-16P	Socket	32.45	29.74	27.46	654-MS3116F20-16S	MS3116F20-16S	Socket	64.90	59.30	54.60
18	14-18	#20	7.5A	654-MS3112E14-18S	MS3112E14-18S	Socket	24.05	21.58	19.92	654-MS3116F14-18P	MS3116F14-18P	Pin	38.20	34.91	32.14
18	14-18	#20	7.5A	654-MS3112E14-18P	MS3112E14-18P	Socket	20.39	18.70	17.26	654-MS3116F14-18S	MS3116F14-18S	Socket	45.61	39.82	36.88
19	14-19	#20	7.5A	654-MS3112E14-19S	MS3112E14-19S	Socket	25.04	22.76	20.85	654-MS3116F14-19P	MS3116F14-19P	Pin	24.02	23.24	22.65
19	14-19	#20	7.5A	654-MS3112E14-19P	MS3112E14-19P	Socket	16.78	15.38	14.20	654-MS3116F14-19S	MS3116F14-19S	Socket	35.87	32.77	30.17
26	16-26	#20	7.5A	654-MS3112E16-26S	MS3112E16-26S	Socket	39.36	36.24	33.58	654-MS3116F16-26P	MS3116F16-26P	Pin	34.19	31.24	28.76
26	16-26	#20	7.5A	654-MS3112E16-26P	MS3112E16-26P	Socket	19.66	18.25	16.90	654-MS3116F16-26S	MS3116F16-26S	Socket	42.56	37.16	32.87
32	18-32	#20	7.5A	654-MS3112E18-32S	MS3112E18-32S	Socket	35.49	32.26	30.09	654-MS3116F18-32P	MS3116F18-32P	Pin	52.60	49.17	45.30
32	18-32	#20	7.5A	654-MS3112E18-32P	MS3112E18-32P	Socket	30.35	28.04	25.89	654-MS3116F18-32S	MS3116F18-32S	Socket	63.98	59.05	54.84
41	20-41	#20	7.5A	654-MS3112E20-41S	MS3112E20-41S	Socket	56.35	50.93	48.16	654-MS3116F20-41P	MS3116F20-41P	Pin	59.65	55.43	53.83
41	20-41	#20	7.5A	654-MS3112E20-41P	MS3112E20-41P	Socket	39.45	37.64	35.79	654-MS3116F20-41S	MS3116F20-41S	Socket	84.44	77.50	71.45
55	22-55	#16	13.0A	654-MS3112E22-55S	MS3112E22-55S	Socket	77.74	71.26	65.78	654-MS3116F22-55P	MS3116F22-55P	Pin	73.29	67.24	62.07
55	22-55	#16	13.0A	654-MS3112E22-55P	MS3112E22-55P	Socket	50.66	48.21	46.43	654-MS3116F22-55S	MS3116F22-55S	Socket	116.37	111.42	95.21
61	24-61	#20	7.5A	654-MS3112E24-61S	MS3112E24-61S	Socket	76.18	70.58	65.74	654-MS3116F24-61P	MS3116F24-61P	Pin	78.79	73.60	69.54
61	24-61	#20	7.5A	654-MS3112E24-61P	MS3112E24-61P	Socket	48.87	47.19	44.33	654-MS3116F24-61S	MS3116F24-61S	Socket	112.15	103.25	95.66