

METAL IMPREGNATED MATERIALS

MIL CONNECTOR GASKETS

Laird offers a broad range of EMI gasket materials to fit the shell sizes of standard MIL connectors.

- Gaskets are available in a wide range of materials that can provide shielding or a combination of RF shielding and environmental sealing
- Standardized to fit all MIL connectors
- Test results indicate shielding effectiveness of 100 dB or greater for these connector gaskets

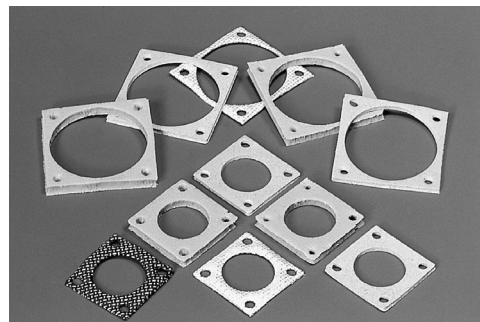


TABLE 1. MATERIAL SELECTION GUIDE

MATERIAL SPECIFICATIONS						MATERIAL CHARACTERISTICS LEGEND: G = GOOD F = FAIR P = POOR								
MATERIAL CODE	MATERIAL DESCRIPTION	METAL FILLER	ELASTOMER FILLER	COLOR	THICKNESS	SHIELDING EFFECTIVENESS	SEAL DRIP PROOF	FLUIDS JP4 HYDRAUL	SALT FOG	OUTER SPACE	TEMP -40°F +250°F	TEMP -65°F +500°F	SURFACE FLATNESS <0.010	SURFACE FLATNESS >0.010
57	Woven Wire Neoprene Impregnated	Aluminum Alloy 5056 Per AMS 4182	Neoprene Per AMS 3222	Black	0.020 ± 0.004 (0,5 ± 0,1)	F	P	P	P	F	G	P	F	P
23	Woven Wire Silicone Impregnated	Aluminum Alloy 5056 Per AMS 4182	Silicone Per ZZR 765, Glass 2B, Grade 50	Gray	0.020 ± 0.004 (0,5 ± 0,1)	F	P	P	P	F	G	G	F	P
56	Oriented Wire in Solid Silicone	Monel® Alloy Per QQN 281	Silicone Per ZZR 765, Class 2B, Grade 50	Gray	0.062 ± 0.005 (0,8 ± 0,1)	G	G	P	F	F	G	G	G	G

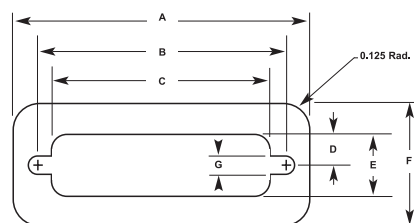
HOW TO SPECIFY

1. From Table below, match base part number to shell size used.
2. From Table 1, determine material code based on characteristics which best meet design requirements.
3. Insert material code in place of the XX from base part number.

Example: Base part number for shell size F in Table below is 8516-0210-XX; material code chosen from Table 1 is -57; part number is 8516-0210-57.

"D" Subminiature Connector Shields

- Available in 9 pin to 50 pin "D" Connector styles
- Versatile front or rear mounting
- Custom shapes and designs available



"D" CONNECTOR SERIES DIMENSIONS FOR ELASTOMERS

PART NO.	THICKNESS	# PINS	A	B	C	D	E	F	G
TOLERANCE:			± 0.015 (0,4)	± 0.010 (0,2)	± 0.015 (0,4)	REF	± 0.010 (0,3)	± 0.015 (0,4)	± 0.010 (0,3)
8516-0208-XX	0.030 (0,8)	9	1.410	0.980	0.780	0.220	0.440	0.690	0.130
8516-0201-XX	0.060 (1,5)		(35,8)	(24,9)	(19,8)	(5,6)	(11,2)	(17,5)	(3,3)
8516-0209-XX	0.030 (0,8)	15	1.740	1.310	1.110	0.220	0.440	0.690	0.130
8516-0203-XX	0.060 (1,5)		(44,2)	(33,3)	(28,2)	(5,6)	(11,2)	(17,5)	(3,3)
8516-0210-XX	0.030 (0,8)	25	2.280	1.850	1.650	0.220	0.440	0.690	0.130
8516-0211-XX	0.030 (0,8)	37	2,930	2.500	2.290	0.220	0.440	0.690	0.130
8516-0204-XX	0.060 (1,5)		(74,4)	(63,5)	(58,2)	(5,6)	(11,2)	(17,5)	(3,3)
8516-0212-XX	0.030 (0,8)	50	2.840	2.410	2.110	0.280	0.550	0.800	0.240
8516-0205-XX	0.060 (1,5)		(72,1)	(61,2)	(53,6)	(7,1)	(14,0)	(20,3)	(6,1)

To order replace XX with material code from the Material Compounds chart on page 101.