Micro-D Weights

MICRO-D METAL SHELL WEIGHTS IN GRAMS[1]						
Layout	Solder Cup	Pigtail[2]	PCB "CBR"	PCB "BR"	PCB "BS"	PCB "CBS"
9P	1.7	1.6	3.9	5.9	4.1	3.1
9S	1.7	1.6	3.9	5.9	4.1	3.1
15P	2.3	2.2	4.8	6.8	4.7	3.3
15S	2.2	2.1	4.7	6.7	4.7	3.4
21P	3.0	2.9	5.6	7.7	5.7	4.1
21S	2.6	2.5	5.4	7.6	5.6	4.8
25P	3.3	3.2	6.1	8.3	5.9	5.3
25S	3.0	2.9	6.0	8.2	6.1	5.5
31P	3.9	3.8	7.6	9.5	7.2	6.5
31S	3.6	3.5	7.5	9.4	7.3	6.6
37P	4.4	4.2	8.4	11.1	8.5	7.7
37S	4.1	3.9	8.4	11.0	8.3	7.5
51P	5.1	4.9	11.0	12.7	9.6	8.6
51S	4.8	4.7	10.9	12.8	9.5	8.6
51-2P	5.0	4.8	10.9	12.5	9.5	8.5
51-2S	4.7	4.4	10.8	12.4	9.4	8.5
67P	5.7	5.5	13.4	13.6	10.6	9.5
67S	5.4	5.3	13.2	13.4	10.5	9.4
69P	6.2	6.0	14.0	14.1	11.1	10.0
69S	5.9	5.8	13.5	13.9	11.0	9.9
100P	9.1	8.6	26.6	27.5	25.4	22.9
100S	8.2	7.9	26.4	27.1	24.8	22.3

1. Nominal weight shown. Add 10% for maximum weight. 2. Weight is connector only. See table below for wire weight calculation.

STAINLESS STEEL MICRO-D WEIGHT ADDERS	
Layout	Stainless Steel Adder in Grams
9P	1.9
9S	2.0
15P	2.4
15S	2.4
21P	2.9
21S	2.8
25P	3.2
25S	2.9
31P	3.4
31S	3.2
37P	3.6
37S	4.1
51P	4.0
51S	3.8
51-2P	6.2
51-2S	6.0
67P	7.1
67S	6.8
69P	7.3
69S	7.0
100P	8.3
100S	8.0

1. Nominal weight shown. Add 10% for maximum weight.
2. Weight includes 18 inches of M22759/11-26 insulated #26 AWG copper wire.

HOW TO CALCULATE WEIGHTS FOR DIFFERENT WIRE TYPES AND LENGTHS		
Wire Type	Wire Gage (AWG)	Maximum Wire Weight Per Inch in Grams
M22759/11	24	.098
M22759/11	26	.072
M22759/11	28	.052
M22759/33	24	.076
M22759/33	26	.053
M22759/33	28	.034
M22759/33	30	.025

EXAMPLE CALCULATION:

MWDM2L-37P-6K7-54B (54 inches of M22759/11 #26 gage wire)

1. Find the connector weight in the "Pigtail" column above .... 4.2 g.
2. Find the wire weight in grams per inch.....072 g./in.
3. Multiply the # of conductors times length and weight
   37 wires x 54 inches x .072 g./in. =.....144 g.
4. Add the connector weight to the wire weight ..... 148.2 g.