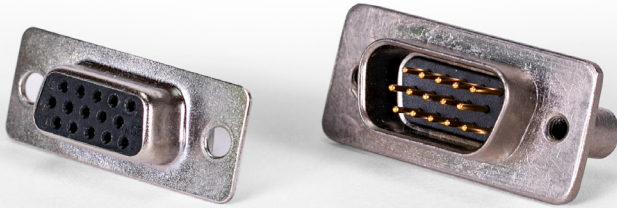


MDC SERIES RECTANGULAR MICRO-D (MIL-DTL-83513 EQUIVALENT)

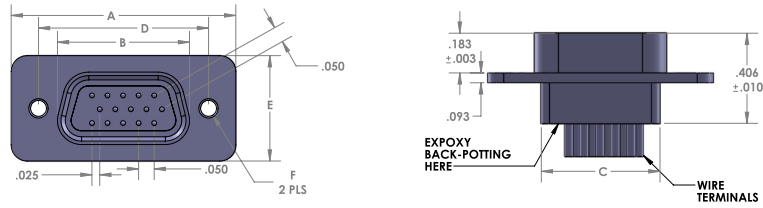


TopFlite specializes in the design and manufacture of MIL-DTL-83513 Commercial Equivalent Connectors that are offered in a variety of materials, finishes, and contact styles including Printed Circuit Board, Solder, and Wire Lead Termination. The TopFlite Advantage is that the customer can fully customize the connector design, including but not limited to overall length, custom insert arrangements, flange size or style, specialty materials, integrated backshells, and more. If an option(s) is not listed in the part number builder below, TopFlite can issue a specialty “Z-Code” to the end of the part number nomenclature to cover any custom alterations the customer may require for their application. Remember, TopFlite specializes in custom connector design and consulting, so if you can’t find it, chances are we can make it!

PART NUMBER BREAKDOWN							
EXAMPLE PART NUMBER	TFC83513/	P-	B-	W18A-	F	-020500	-ZXXX
STANDARD PREFIX							
CONTACT STYLE	P - PIN W/ WIRE TERMINALS S - SOCKET WITH WIRE TERMINALS PCP - PC TAIL PIN PCS - PC TAIL SOCKET PS - SOLDER CUP PIN SS - SOLDER CUP SOCKET						
SIZE CODE (TABLE 1)	A, B, C, D, ETC. (SEE BELOW FOR CONTACT LAYOUTS)						
WIRE CODE (TABLE 2)	W18A C36A W18B ETC. (OMIT FOR PC TAIL OR SOLDER CUP CONTACTS)						
MATERIAL/ FINISH (TABLE 3)	F - ALUMINUM W/ ELECTROLESS NICKEL Z - ALUMINUM W/ BLACK ZINC NICKEL A - ALUMINUM W/ BLACK ANODIZE D - ALUMINUM W/ OLIVE DRAB CADMIUM T - ALUMINUM W/ NICKEL TEFLON/PTFE K - STAINLESS W/ PASSIVATION TREATMENT (SEE PAGE 4 FOR ADDITIONAL FINISHES)						
PC TAIL CONTACT SIZE	FIRST 3 DIGITS ARE THE DIAMETER, EX. 020 = .020" DIAMETER TAIL SECOND 3 DIGITS ARE THE LENGTH FROM REAR OF CONNECTOR, EX. 400 = .400" THUS, FOR EXAMPLE, -018300 WOULD EQUATE TO .018" DIAMETER & .300" LENGTH (OMIT FOR NON-PC TAIL CONTACT VERSIONS)						
Z-CODE	Z112 Z090 Z030 ETC. (CONTACT SALES STAFF IF A Z-CODE IS REQUIRED FOR A CUSTOM CONFIGURATION/OPTION(S). OMIT FOR NONE)						

Notes

1. For Full product dimensions, refer to MIL-DTL-83513 Procurement Specification.
2. Consult Factory for any required options not seen listed above
3. All versions are Backpotted
4. Hermetic Sealing only available with Non-Crimp, Pin Contact Connectors
5. See Appendix B for General Performance Data



DIMENSION (TABLE 1)

CAVITIES	SIZE CODE	A +/- .010	B	C +/- .010	D	E +/- .010	F +/- .003
9	A	0.775	0.334	0.390	0.565	0.296	0.091
15	B	0.925	0.484	0.540	0.715	0.296	0.091
21	C	1.075	0.634	0.690	0.865	0.296	0.091
25	D	1.175	0.734	0.790	0.965	0.296	0.091
31	E	1.325	0.884	0.940	1.115	0.296	0.091
37	F	1.475	1.034	1.090	1.265	0.296	0.091
51	G	1.425	0.984	1.040	1.215	0.341	0.091
100	H	2.160	1.384	1.432	1.800	0.384	0.148

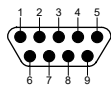
WIRE TYPE & LENGTH (TABLE 2)

CODE	LENGTH (IN)	COLOR	TYPE
W18A	18	WHITE	M22759/11-26
W36A	36	WHITE	M22759/11-26
W72A	72	WHITE	M22759/11-26
C18A	18	10 COLOR REPEATING	M22759/11-26
C36A	36	10 COLOR REPEATING	M22759/11-26
C72A	72	10 COLOR REPEATING	M22759/11-26
W18B	18	WHITE	M22759/33-26
W36B	36	WHITE	M22759/33-26
W72B	72	WHITE	M22759/33-26
C18B	18	10 COLOR REPEATING	M22759/33-26
C36B	36	10 COLOR REPEATING	M22759/33-26
C72B	72	10 COLOR REPEATING	M22759/33-26

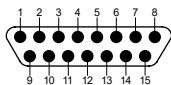
FINISH (TABLE 3)

FINISH CODE	FINISH
W	OLIVE DRAB CADMIUM
F	ELECTROLESS NICKEL
K	PASSIVATED STAINLESS
Z	BLACK ZINC NICKEL
T	NICKEL PTFE
J	CONVERSION COATING

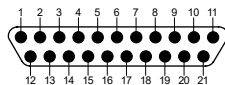
STANDARD CONTACT ARRANGEMENTS



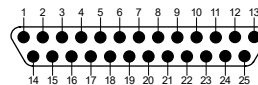
9 PIN



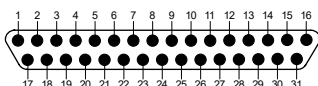
15 PIN



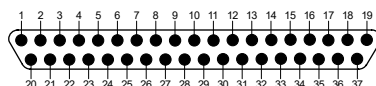
21 PIN



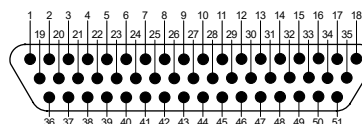
25 PIN



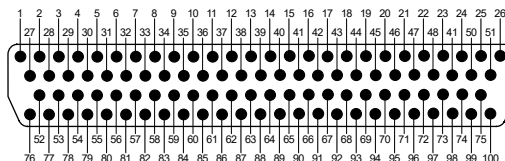
31 PIN



37 PIN



51 PIN



100 PIN